

APPENDIX D
ANALYTICAL LABORATORY DATA REPORTS
(D-2 – SURFACE WATER DATA)

Table D-2
Laboratory Reports and Sample Key
Post-Closure Surface Water Monitoring
Site No. 9-15-066, Cheektowaga, New York

Manhole No.	Sample Numbers by Date of Sampling and Laboratory Report Number				
	07/11/14	07/11/14	11/24/14	04/01/15	06/18/15
	J34799	J34840	J39250	J42657	J45232
1A		WS-18036-071414-010	WS-18036-112414-011	WS-18036-040115-011	SW-18036-061815-011
1B		WS-18036-071414-008	WS-18036-112414-001	WS-18036-040115-001	SW-18036-061815-001
1C		WS-18036-071414-009	WS-18036-112414-002	WS-18036-040115-002	SW-18036-061815-002
2A	WS-18036-071114-003		WS-18036-112414-003	WS-18036-040115-004	SW-18036-061815-004
2B	WS-18036-071114-001		WS-18036-112414-004	WS-18036-040115-005	SW-18036-061815-005
2B (dup)					
2C	WS-18036-071114-005		WS-18036-112414-005	WS-18036-040115-006	SW-18036-061815-003
2C (dup)					
2D	WS-18036-071114-004		WS-18036-112414-006	WS-18036-040115-003	SW-18036-061815-008
3A	WS-18036-071114-002		WS-18036-112414-007	WS-18036-040115-007	SW-18036-061815-006
3A (dup)					SW-18036-061815-007
3B	WS-18036-071114-007		WS-18036-112414-008	WS-18036-040115-010	SW-18036-061815-010
3B (dup)			WS-18036-112414-009		
3C	WS-18036-071114-006		WS-18036-112414-010	WS-18036-040115-008	SW-18036-061815-009
3C (dup)				WS-18036-040115-009	
Trip Blank			TB-18036-112414-01	TB-18036-040115-01	TB-18036-061815-01

Table D-2
Laboratory Reports and Sample Key
Post-Closure Surface Water Monitoring
Site No. 9-15-066, Cheektowaga, New York

Manhole No.	Sample Numbers by Date of Sampling and Laboratory Report Number				
	09/10/15	12/10/15	03/17/16	06/23/16	09/20/16
	J47667	J50683	J53155	J55991	J58894
1A	SW-18036-091015-011	SW-18036-121015-13	SW-18036-031716-13	SW-18036-062316-011	SW-18036-092016-011
1B	SW-18036-091015-001	SW-18036-121015-01	SW-18036-031716-01	SW-18036-062316-001	SW-18036-092016-001
1C	SW-18036-091015-002	SW-18036-121015-02	SW-18036-031716-02	SW-18036-062316-002	SW-18036-092016-002
2A	SW-18036-091015-005	SW-18036-121015-03	SW-18036-031716-03	SW-18036-062316-003	SW-18036-092016-004
2B	SW-18036-091015-006	SW-18036-121015-04	SW-18036-031716-04	SW-18036-062316-004	SW-18036-092016-005
2B (dup)					SW-18036-092016-006
2C	SW-18036-091015-003	SW-18036-121015-06	SW-18036-031716-06	SW-18036-062316-005	SW-18036-092016-007
2C (dup)	SW-18036-091015-004	SW-18036-121015-07		SW-18036-062316-006	
2D	SW-18036-091015-008	SW-18036-121015-08	SW-18036-031716-09	SW-18036-062316-008	SW-18036-092016-003
3A	SW-18036-091015-007	SW-18036-121015-05	SW-18036-031716-05	SW-18036-062316-007	SW-18036-092016-008
3A (dup)					
3B	SW-18036-091015-010	SW-18036-121015-12	SW-18036-031716-12	SW-18036-062316-010	SW-18036-092016-010
3B (dup)					
3C	SW-18036-091015-009	SW-18036-121015-09	SW-18036-031716-10	SW-18036-062316-009	SW-18036-092016-009
3C (dup)			SW-18036-031716-11		
Trip Blank	TB-18036-091015-01	TB-18036-121015-01	TB-18036-031716-01	TB-18036-062316-001	18036-092016-Trip Blank 01

Note:

1. The laboratory reports for 11/24/14, 09/10/15, and 09/20/16 were subsequently revised by TestAmerica to include the quantification of other (non-target) VOCs. This appendix provides the revised versions of these three laboratory reports (i.e., J39250, J47667, and J58894).

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: 180-34799-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

7/21/2014 1:08:41 PM

Jill Colussy, Project Manager I

(412)963-2444

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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.

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: 180-34799-1

Job ID: 180-34799-1

Laboratory: TestAmerica Pittsburgh

Narrative

**Job Narrative
180-34799-1**

Receipt

The samples were received on 7/12/2014 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA

The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: WS-18036-071114-001 (180-34799-1), WS-18036-071114-002 (180-34799-2), and WS-18036-071114-005 (180-34799-5). Elevated reporting limits (RLs) are provided.

Metals

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

General Chemistry

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



Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Qualifiers

GC/MS VOA

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

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. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	NELAP	9	4224CA	03-31-14 *
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-14 *
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	05-31-15
Virginia	NELAP	3	460189	09-14-14
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14

* Certification renewal pending - certification considered valid.



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-34799-1	WS-18036-071114-001	Water	07/11/14 13:00	07/12/14 09:05
180-34799-2	WS-18036-071114-002	Water	07/11/14 13:30	07/12/14 09:05
180-34799-3	WS-18036-071114-003	Water	07/11/14 14:00	07/12/14 09:05
180-34799-4	WS-18036-071114-004	Water	07/11/14 14:15	07/12/14 09:05
180-34799-5	WS-18036-071114-005	Water	07/11/14 14:30	07/12/14 09:05
180-34799-6	WS-18036-071114-006	Water	07/11/14 14:45	07/12/14 09:05
180-34799-7	WS-18036-071114-007	Water	07/11/14 15:15	07/12/14 09:05



Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Client Sample ID: WS-18036-071114-001

Lab Sample ID: 180-34799-1

Date Collected: 07/11/14 13:00

Matrix: Water

Date Received: 07/12/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	5 mL	5 mL	111739	07/17/14 16:04	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	111733	07/17/14 07:58	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	111977	07/18/14 18:43	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	111680	07/16/14 19:53	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111493	07/15/14 11:14	AJB	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-071114-002

Lab Sample ID: 180-34799-2

Date Collected: 07/11/14 13:30

Matrix: Water

Date Received: 07/12/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		25	5 mL	5 mL	111739	07/17/14 16:55	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	111733	07/17/14 07:58	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	111977	07/18/14 19:14	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	111680	07/16/14 19:53	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111493	07/15/14 11:11	AJB	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-071114-003

Lab Sample ID: 180-34799-3

Date Collected: 07/11/14 14:00

Matrix: Water

Date Received: 07/12/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	111739	07/17/14 17:19	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	111733	07/17/14 07:58	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	111977	07/18/14 19:19	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	111680	07/16/14 19:53	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111493	07/15/14 11:08	AJB	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Client Sample ID: WS-18036-071114-004

Lab Sample ID: 180-34799-4

Date Collected: 07/11/14 14:15

Matrix: Water

Date Received: 07/12/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	111739	07/17/14 17:43	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	111733	07/17/14 07:58	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	111977	07/18/14 19:24	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	111680	07/16/14 19:53	ALF	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111493	07/15/14 11:05	AJB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-071114-005

Lab Sample ID: 180-34799-5

Date Collected: 07/11/14 14:30

Matrix: Water

Date Received: 07/12/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	5 mL	5 mL	111739	07/17/14 18:07	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	111733	07/17/14 07:58	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	111977	07/18/14 19:29	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	111680	07/16/14 19:53	ALF	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111493	07/15/14 11:02	AJB	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-071114-006

Lab Sample ID: 180-34799-6

Date Collected: 07/11/14 14:45

Matrix: Water

Date Received: 07/12/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	111739	07/17/14 18:31	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	111733	07/17/14 07:58	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	111977	07/18/14 19:35	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	111680	07/16/14 19:53	ALF	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111493	07/15/14 10:59	AJB	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Client Sample ID: WS-18036-071114-007

Lab Sample ID: 180-34799-7

Date Collected: 07/11/14 15:15

Matrix: Water

Date Received: 07/12/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	111739	07/17/14 18:55	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	111733	07/17/14 07:58	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	111977	07/18/14 19:40	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	111680	07/16/14 19:53	ALF	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111493	07/15/14 10:53	AJB	TAL PIT
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

SLB = Sandy Becker

Batch Type: Analysis

AJB = Amanda Brunick

ALF = Ato Foulland

DLF = Donald Ferguson

RJG = Rob Good

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Client Sample ID: WS-18036-071114-001

Lab Sample ID: 180-34799-1

Date Collected: 07/11/14 13:00

Matrix: Water

Date Received: 07/12/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.4	J B	2.0	0.30	ug/L			07/17/14 16:04	2
Tetrachloroethene	5.7		2.0	0.30	ug/L			07/17/14 16:04	2
Toluene	2.0	U	2.0	0.30	ug/L			07/17/14 16:04	2
Trichloroethene	41		2.0	0.29	ug/L			07/17/14 16:04	2
1,2-Dichlorobenzene	2.0	U	2.0	0.30	ug/L			07/17/14 16:04	2
cis-1,2-Dichloroethene	25		2.0	0.47	ug/L			07/17/14 16:04	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		58 - 135		07/17/14 16:04	2
4-Bromofluorobenzene (Surr)	85		62 - 123		07/17/14 16:04	2
Toluene-d8 (Surr)	100		71 - 118		07/17/14 16:04	2
Dibromofluoromethane (Surr)	95		64 - 128		07/17/14 16:04	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 18:43	1
Chromium	5.7		5.0	0.77	ug/L		07/17/14 07:58	07/18/14 18:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.4		2.0	2.0	mg/L			07/16/14 19:53	1
pH	11.7	HF	0.100	0.100	SU			07/15/14 11:14	1

Client Sample ID: WS-18036-071114-002

Lab Sample ID: 180-34799-2

Date Collected: 07/11/14 13:30

Matrix: Water

Date Received: 07/12/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	16	J B	25	3.7	ug/L			07/17/14 16:55	25
Tetrachloroethene	25	U	25	3.7	ug/L			07/17/14 16:55	25
Toluene	25	U	25	3.8	ug/L			07/17/14 16:55	25
Trichloroethene	370		25	3.6	ug/L			07/17/14 16:55	25
1,2-Dichlorobenzene	25	U	25	3.8	ug/L			07/17/14 16:55	25
cis-1,2-Dichloroethene	52		25	5.9	ug/L			07/17/14 16:55	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		58 - 135		07/17/14 16:55	25
4-Bromofluorobenzene (Surr)	83		62 - 123		07/17/14 16:55	25
Toluene-d8 (Surr)	100		71 - 118		07/17/14 16:55	25
Dibromofluoromethane (Surr)	106		64 - 128		07/17/14 16:55	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 19:14	1
Chromium	5.6		5.0	0.77	ug/L		07/17/14 07:58	07/18/14 19:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.4		2.0	2.0	mg/L			07/16/14 19:53	1
pH	9.56	HF	0.100	0.100	SU			07/15/14 11:11	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Client Sample ID: WS-18036-071114-003

Lab Sample ID: 180-34799-3

Date Collected: 07/11/14 14:00

Matrix: Water

Date Received: 07/12/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.50	J B	1.0	0.15	ug/L			07/17/14 17:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/17/14 17:19	1
Toluene	1.0	U	1.0	0.15	ug/L			07/17/14 17:19	1
Trichloroethene	18		1.0	0.14	ug/L			07/17/14 17:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/17/14 17:19	1
cis-1,2-Dichloroethene	2.3		1.0	0.24	ug/L			07/17/14 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		58 - 135					07/17/14 17:19	1
4-Bromofluorobenzene (Surr)	81		62 - 123					07/17/14 17:19	1
Toluene-d8 (Surr)	97		71 - 118					07/17/14 17:19	1
Dibromofluoromethane (Surr)	104		64 - 128					07/17/14 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 19:19	1
Chromium	2.2	J	5.0	0.77	ug/L		07/17/14 07:58	07/18/14 19:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	30		2.0	2.0	mg/L			07/16/14 19:53	1
pH	8.69	HF	0.100	0.100	SU			07/15/14 11:08	1

Client Sample ID: WS-18036-071114-004

Lab Sample ID: 180-34799-4

Date Collected: 07/11/14 14:15

Matrix: Water

Date Received: 07/12/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.51	J B	1.0	0.15	ug/L			07/17/14 17:43	1
Tetrachloroethene	0.20	J	1.0	0.15	ug/L			07/17/14 17:43	1
Toluene	1.0	U	1.0	0.15	ug/L			07/17/14 17:43	1
Trichloroethene	20		1.0	0.14	ug/L			07/17/14 17:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/17/14 17:43	1
cis-1,2-Dichloroethene	2.9		1.0	0.24	ug/L			07/17/14 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135					07/17/14 17:43	1
4-Bromofluorobenzene (Surr)	80		62 - 123					07/17/14 17:43	1
Toluene-d8 (Surr)	94		71 - 118					07/17/14 17:43	1
Dibromofluoromethane (Surr)	102		64 - 128					07/17/14 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 19:24	1
Chromium	4.0	J	5.0	0.77	ug/L		07/17/14 07:58	07/18/14 19:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	62		2.0	2.0	mg/L			07/16/14 19:53	1
pH	8.80	HF	0.100	0.100	SU			07/15/14 11:05	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Client Sample ID: WS-18036-071114-005

Lab Sample ID: 180-34799-5

Date Collected: 07/11/14 14:30

Matrix: Water

Date Received: 07/12/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.2	J B	2.0	0.30	ug/L			07/17/14 18:07	2
Tetrachloroethene	6.6		2.0	0.30	ug/L			07/17/14 18:07	2
Toluene	2.0	U	2.0	0.30	ug/L			07/17/14 18:07	2
Trichloroethene	46		2.0	0.29	ug/L			07/17/14 18:07	2
1,2-Dichlorobenzene	2.0	U	2.0	0.30	ug/L			07/17/14 18:07	2
cis-1,2-Dichloroethene	25		2.0	0.47	ug/L			07/17/14 18:07	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		58 - 135					07/17/14 18:07	2
4-Bromofluorobenzene (Surr)	84		62 - 123					07/17/14 18:07	2
Toluene-d8 (Surr)	98		71 - 118					07/17/14 18:07	2
Dibromofluoromethane (Surr)	106		64 - 128					07/17/14 18:07	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 19:29	1
Chromium	6.0		5.0	0.77	ug/L		07/17/14 07:58	07/18/14 19:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	310		2.0	2.0	mg/L			07/16/14 19:53	1
pH	9.14	HF	0.100	0.100	SU			07/15/14 11:02	1

Client Sample ID: WS-18036-071114-006

Lab Sample ID: 180-34799-6

Date Collected: 07/11/14 14:45

Matrix: Water

Date Received: 07/12/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.48	J B	1.0	0.15	ug/L			07/17/14 18:31	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/17/14 18:31	1
Toluene	1.0	U	1.0	0.15	ug/L			07/17/14 18:31	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/17/14 18:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/17/14 18:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/17/14 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		58 - 135					07/17/14 18:31	1
4-Bromofluorobenzene (Surr)	81		62 - 123					07/17/14 18:31	1
Toluene-d8 (Surr)	95		71 - 118					07/17/14 18:31	1
Dibromofluoromethane (Surr)	102		64 - 128					07/17/14 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 19:35	1
Chromium	3.1	J	5.0	0.77	ug/L		07/17/14 07:58	07/18/14 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	160		2.0	2.0	mg/L			07/16/14 19:53	1
pH	8.67	HF	0.100	0.100	SU			07/15/14 10:59	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

Client Sample ID: WS-18036-071114-007

Lab Sample ID: 180-34799-7

Date Collected: 07/11/14 15:15

Matrix: Water

Date Received: 07/12/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.48	J B	1.0	0.15	ug/L			07/17/14 18:55	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/17/14 18:55	1
Toluene	1.0	U	1.0	0.15	ug/L			07/17/14 18:55	1
Trichloroethene	0.95	J	1.0	0.14	ug/L			07/17/14 18:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/17/14 18:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/17/14 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		07/17/14 18:55	1
4-Bromofluorobenzene (Surr)	83		62 - 123		07/17/14 18:55	1
Toluene-d8 (Surr)	98		71 - 118		07/17/14 18:55	1
Dibromofluoromethane (Surr)	106		64 - 128		07/17/14 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 19:40	1
Chromium	1.4	J	5.0	0.77	ug/L		07/17/14 07:58	07/18/14 19:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	13		2.0	2.0	mg/L			07/16/14 19:53	1
pH	8.88	HF	0.100	0.100	SU			07/15/14 10:53	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

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

Lab Sample ID: MB 180-111739/5

Matrix: Water

Analysis Batch: 111739

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.202	J	1.0	0.15	ug/L			07/17/14 11:22	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/17/14 11:22	1
Toluene	1.0	U	1.0	0.15	ug/L			07/17/14 11:22	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/17/14 11:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/17/14 11:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/17/14 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		58 - 135		07/17/14 11:22	1
4-Bromofluorobenzene (Surr)	106		62 - 123		07/17/14 11:22	1
Toluene-d8 (Surr)	116		71 - 118		07/17/14 11:22	1
Dibromofluoromethane (Surr)	111		64 - 128		07/17/14 11:22	1

Lab Sample ID: LCS 180-111739/1002

Matrix: Water

Analysis Batch: 111739

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	16.8		ug/L		84	60 - 140
Tetrachloroethene	20.0	17.9		ug/L		89	73 - 127
Toluene	20.0	20.0		ug/L		100	74 - 126
Trichloroethene	20.0	17.7		ug/L		88	73 - 125
1,2-Dichlorobenzene	20.0	19.3		ug/L		97	68 - 127
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		58 - 135
4-Bromofluorobenzene (Surr)	105		62 - 123
Toluene-d8 (Surr)	107		71 - 118
Dibromofluoromethane (Surr)	90		64 - 128

Lab Sample ID: 180-34873-B-2 MS

Matrix: Water

Analysis Batch: 111739

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	0.55	J B	20.0	15.6		ug/L		75	60 - 140
Tetrachloroethene	1.0	U	20.0	15.6		ug/L		78	73 - 127
Toluene	1.0	U	20.0	19.7		ug/L		98	74 - 126
Trichloroethene	1.0	U	20.0	15.6		ug/L		78	73 - 125
1,2-Dichlorobenzene	1.0	U	20.0	16.7		ug/L		84	68 - 127
cis-1,2-Dichloroethene	1.0	U	20.0	17.0		ug/L		85	69 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 135
4-Bromofluorobenzene (Surr)	95		62 - 123
Toluene-d8 (Surr)	94		71 - 118

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

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

Lab Sample ID: 180-34873-B-2 MS

Matrix: Water

Analysis Batch: 111739

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	84		64 - 128

Lab Sample ID: 180-34873-C-2 MSD

Matrix: Water

Analysis Batch: 111739

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		
Methylene Chloride	0.55	J B	20.0	16.0		ug/L		77	60 - 140	2	25
Tetrachloroethene	1.0	U	20.0	15.3		ug/L		76	73 - 127	2	25
Toluene	1.0	U	20.0	19.6		ug/L		98	74 - 126	1	25
Trichloroethene	1.0	U	20.0	15.9		ug/L		79	73 - 125	2	25
1,2-Dichlorobenzene	1.0	U	20.0	17.8		ug/L		89	68 - 127	6	35
cis-1,2-Dichloroethene	1.0	U	20.0	17.8		ug/L		89	69 - 127	5	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	97		71 - 118
Dibromofluoromethane (Surr)	88		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-111733/1-A

Matrix: Water

Analysis Batch: 111977

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 111733

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		07/17/14 07:58	07/18/14 17:01	1
Chromium	5.0	U	5.0	0.77	ug/L		07/17/14 07:58	07/18/14 17:01	1

Lab Sample ID: LCS 180-111733/2-A

Matrix: Water

Analysis Batch: 111977

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 111733

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Cadmium	50.0	50.4		ug/L		101	85 - 115
Chromium	200	202		ug/L		101	85 - 115

Lab Sample ID: 180-34799-1 MS

Matrix: Water

Analysis Batch: 111977

Client Sample ID: WS-18036-071114-001

Prep Type: Total Recoverable

Prep Batch: 111733

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Cadmium	5.0	U	50.0	52.8		ug/L		106	70 - 130
Chromium	5.7		200	208		ug/L		101	70 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

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

Lab Sample ID: 180-34799-1 MSD

Matrix: Water

Analysis Batch: 111977

Client Sample ID: WS-18036-071114-001

Prep Type: Total Recoverable

Prep Batch: 111733

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier		Result	Qualifier				Limits		Limit
Cadmium	5.0	U	50.0	51.7		ug/L		103	70 - 130	2	20
Chromium	5.7		200	200		ug/L		97	70 - 130	4	20

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

Lab Sample ID: MB 180-111680/2

Matrix: Water

Analysis Batch: 111680

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	2.0	U	2.0	2.0	mg/L			07/16/14 19:53	1

Lab Sample ID: LCS 180-111680/1

Matrix: Water

Analysis Batch: 111680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Total Suspended Solids	53.6	52.0		mg/L		97	80 - 120

Lab Sample ID: 180-34703-A-1 DU

Matrix: Water

Analysis Batch: 111680

Client Sample ID: Duplicate

Prep Type: Total/NA

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

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-111493/1

Matrix: Water

Analysis Batch: 111493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
pH	7.00	7.030		SU		100	99 - 101

Lab Sample ID: 180-34799-7 DU

Matrix: Water

Analysis Batch: 111493

Client Sample ID: WS-18036-071114-007

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
pH	8.88	HF	8.910		SU		0.3	2

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

GC/MS VOA

Analysis Batch: 111739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34799-1	WS-18036-071114-001	Total/NA	Water	624	
180-34799-2	WS-18036-071114-002	Total/NA	Water	624	
180-34799-3	WS-18036-071114-003	Total/NA	Water	624	
180-34799-4	WS-18036-071114-004	Total/NA	Water	624	
180-34799-5	WS-18036-071114-005	Total/NA	Water	624	
180-34799-6	WS-18036-071114-006	Total/NA	Water	624	
180-34799-7	WS-18036-071114-007	Total/NA	Water	624	
180-34873-B-2 MS	Matrix Spike	Total/NA	Water	624	
180-34873-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
LCS 180-111739/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-111739/5	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 111733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34799-1	WS-18036-071114-001	Total Recoverable	Water	200.7	
180-34799-1 MS	WS-18036-071114-001	Total Recoverable	Water	200.7	
180-34799-1 MSD	WS-18036-071114-001	Total Recoverable	Water	200.7	
180-34799-2	WS-18036-071114-002	Total Recoverable	Water	200.7	
180-34799-3	WS-18036-071114-003	Total Recoverable	Water	200.7	
180-34799-4	WS-18036-071114-004	Total Recoverable	Water	200.7	
180-34799-5	WS-18036-071114-005	Total Recoverable	Water	200.7	
180-34799-6	WS-18036-071114-006	Total Recoverable	Water	200.7	
180-34799-7	WS-18036-071114-007	Total Recoverable	Water	200.7	
LCS 180-111733/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-111733/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 111977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34799-1	WS-18036-071114-001	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-1 MS	WS-18036-071114-001	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-1 MSD	WS-18036-071114-001	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-2	WS-18036-071114-002	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-3	WS-18036-071114-003	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-4	WS-18036-071114-004	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-5	WS-18036-071114-005	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-6	WS-18036-071114-006	Total Recoverable	Water	200.7 Rev 4.4	111733
180-34799-7	WS-18036-071114-007	Total Recoverable	Water	200.7 Rev 4.4	111733
LCS 180-111733/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	111733
MB 180-111733/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	111733

General Chemistry

Analysis Batch: 111493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34799-1	WS-18036-071114-001	Total/NA	Water	SM 4500 H+ B	
180-34799-2	WS-18036-071114-002	Total/NA	Water	SM 4500 H+ B	
180-34799-3	WS-18036-071114-003	Total/NA	Water	SM 4500 H+ B	
180-34799-4	WS-18036-071114-004	Total/NA	Water	SM 4500 H+ B	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34799-1

General Chemistry (Continued)

Analysis Batch: 111493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34799-5	WS-18036-071114-005	Total/NA	Water	SM 4500 H+ B	
180-34799-6	WS-18036-071114-006	Total/NA	Water	SM 4500 H+ B	
180-34799-7	WS-18036-071114-007	Total/NA	Water	SM 4500 H+ B	
180-34799-7 DU	WS-18036-071114-007	Total/NA	Water	SM 4500 H+ B	
LCS 180-111493/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 111680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34703-A-1 DU	Duplicate	Total/NA	Water	SM 2540D	
180-34799-1	WS-18036-071114-001	Total/NA	Water	SM 2540D	
180-34799-2	WS-18036-071114-002	Total/NA	Water	SM 2540D	
180-34799-3	WS-18036-071114-003	Total/NA	Water	SM 2540D	
180-34799-4	WS-18036-071114-004	Total/NA	Water	SM 2540D	
180-34799-5	WS-18036-071114-005	Total/NA	Water	SM 2540D	
180-34799-6	WS-18036-071114-006	Total/NA	Water	SM 2540D	
180-34799-7	WS-18036-071114-007	Total/NA	Water	SM 2540D	
LCS 180-111680/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-111680/2	Method Blank	Total/NA	Water	SM 2540D	



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

Address: NE/NI

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

COC NO.: 40785

PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No./Phase/Task Code: 18036-2014

Project Name: BUFFALO AIRPORT SURFACE WATER

Project Location: CHECK TOWNGAH, NY

Chemistry Contact: JIM COUSSY LEO BRAUSSCH

Sampler(s): BO OSCAR / K. LYDCA

Laboratory Name: TEST AMERICA

Lab Contact: JIM COUSSY

Container Quantity & Preservation

Analysis Requested (See Back of COC for Definitions)

Lab Location: PITTSBURGH, PA

Lab Quote No:

Carrier: FEDEX

Altbill No:

SSOW ID:

Cooler No:

Date Shipped: 7/11/14

Comments/Special Instructions:

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	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: ICE	Total Containers/Sample	ANALYSIS REQUESTED (See Back of COC for Definitions)	MS/MSD Request
1	WS-18036-071114-001	7/11/14	1300	MSG	2	3	1							X	VOCs w/ HCl METALS w/ HCl TSS PH	
2	"	"	1330											X		
3	"	"	1400											X		
4	"	"	1415											X		
5	"	"	1430											X		
6	"	"	1445											X		
7	"	"	1515											X		
8																
9																
10																
11																
12																
13																
14																
15																



180-34799 Chain of Custody

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

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

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

Notes/Special Requirements:

RECEIVED BY	COMPANY	DATE	TIME
[Signature]	CRA	7/11/14	1600
[Signature]	TA Pitt	7/12/14	905

Distribution: WHITE - Fully Executed Copy (CRA) YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampling Crew

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

CRA Form: COC-108 (20110804)

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-34799-1

Login Number: 34799

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Lonzo, Michael A

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



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: 180-34840-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

7/25/2014 11:16:12 AM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

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results through

TotalAccess

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.

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Job ID: 180-34840-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-34840-1

Receipt

The samples were received on 7/15/2014 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

The metals bottle for sample WS-18036-071414-01 was received un-preserved. This sample was preserved upon receipt.

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.

General Chemistry

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



Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Qualifiers

GC/MS VOA

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

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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	NELAP	9	4224CA	03-31-14 *
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-14 *
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	05-31-15
Virginia	NELAP	3	460189	09-14-14
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14

* Certification renewal pending - certification considered valid.



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-34840-1	WS-18036-071414-008	Water	07/14/14 07:35	07/15/14 09:05
180-34840-2	WS-18036-071414-009	Water	07/14/14 07:55	07/15/14 09:05
180-34840-3	WS-18036-071414-010	Water	07/14/14 08:35	07/15/14 09:05

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Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Client Sample ID: WS-18036-071414-008

Lab Sample ID: 180-34840-1

Date Collected: 07/14/14 07:35

Matrix: Water

Date Received: 07/15/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	112460	07/24/14 15:28	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	111863	07/18/14 08:54	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	112216	07/22/14 11:04	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	112127	07/21/14 18:54	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111664	07/16/14 11:32	AJB	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-071414-009

Lab Sample ID: 180-34840-2

Date Collected: 07/14/14 07:55

Matrix: Water

Date Received: 07/15/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	112460	07/24/14 15:52	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	111863	07/18/14 08:54	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	112216	07/22/14 11:09	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	112127	07/21/14 18:54	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111664	07/16/14 11:35	AJB	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-071414-010

Lab Sample ID: 180-34840-3

Date Collected: 07/14/14 08:35

Matrix: Water

Date Received: 07/15/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	112460	07/24/14 16:16	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	111863	07/18/14 08:54	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	112216	07/22/14 11:15	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	112127	07/21/14 18:54	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	111664	07/16/14 11:38	AJB	TAL PIT
		Instrument ID: NOEQUIP								

Laboratory References:

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

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

SLB = Sandy Becker

Batch Type: Analysis

AJB = Amanda Brunick

ALF = Ato Foulland

DLF = Donald Ferguson

RJG = Rob Good

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Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Client Sample ID: WS-18036-071414-008

Lab Sample ID: 180-34840-1

Date Collected: 07/14/14 07:35

Matrix: Water

Date Received: 07/15/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			07/24/14 15:28	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/24/14 15:28	1
Toluene	1.0	U	1.0	0.15	ug/L			07/24/14 15:28	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/24/14 15:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/24/14 15:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/24/14 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 135		07/24/14 15:28	1
4-Bromofluorobenzene (Surr)	90		62 - 123		07/24/14 15:28	1
Toluene-d8 (Surr)	101		71 - 118		07/24/14 15:28	1
Dibromofluoromethane (Surr)	113		64 - 128		07/24/14 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/18/14 08:54	07/22/14 11:04	1
Chromium	5.0	U	5.0	0.77	ug/L		07/18/14 08:54	07/22/14 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	7.6		2.0	2.0	mg/L			07/21/14 18:54	1
pH	8.06	HF	0.100	0.100	SU			07/16/14 11:32	1

Client Sample ID: WS-18036-071414-009

Lab Sample ID: 180-34840-2

Date Collected: 07/14/14 07:55

Matrix: Water

Date Received: 07/15/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			07/24/14 15:52	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/24/14 15:52	1
Toluene	1.0	U	1.0	0.15	ug/L			07/24/14 15:52	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/24/14 15:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/24/14 15:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/24/14 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		07/24/14 15:52	1
4-Bromofluorobenzene (Surr)	93		62 - 123		07/24/14 15:52	1
Toluene-d8 (Surr)	103		71 - 118		07/24/14 15:52	1
Dibromofluoromethane (Surr)	118		64 - 128		07/24/14 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/18/14 08:54	07/22/14 11:09	1
Chromium	5.0	U	5.0	0.77	ug/L		07/18/14 08:54	07/22/14 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	8.0		2.0	2.0	mg/L			07/21/14 18:54	1
pH	8.18	HF	0.100	0.100	SU			07/16/14 11:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

Client Sample ID: WS-18036-071414-010

Lab Sample ID: 180-34840-3

Date Collected: 07/14/14 08:35

Matrix: Water

Date Received: 07/15/14 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			07/24/14 16:16	1
Tetrachloroethene	1.9		1.0	0.15	ug/L			07/24/14 16:16	1
Toluene	1.0	U	1.0	0.15	ug/L			07/24/14 16:16	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/24/14 16:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/24/14 16:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/24/14 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		58 - 135		07/24/14 16:16	1
4-Bromofluorobenzene (Surr)	91		62 - 123		07/24/14 16:16	1
Toluene-d8 (Surr)	100		71 - 118		07/24/14 16:16	1
Dibromofluoromethane (Surr)	119		64 - 128		07/24/14 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.61	J	5.0	0.13	ug/L		07/18/14 08:54	07/22/14 11:15	1
Chromium	1.4	J	5.0	0.77	ug/L		07/18/14 08:54	07/22/14 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.4		2.0	2.0	mg/L			07/21/14 18:54	1
pH	7.90	HF	0.100	0.100	SU			07/16/14 11:38	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

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

Lab Sample ID: MB 180-112460/7

Matrix: Water

Analysis Batch: 112460

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			07/24/14 12:17	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/24/14 12:17	1
Toluene	1.0	U	1.0	0.15	ug/L			07/24/14 12:17	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/24/14 12:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/24/14 12:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/24/14 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		58 - 135		07/24/14 12:17	1
4-Bromofluorobenzene (Surr)	92		62 - 123		07/24/14 12:17	1
Toluene-d8 (Surr)	101		71 - 118		07/24/14 12:17	1
Dibromofluoromethane (Surr)	119		64 - 128		07/24/14 12:17	1

Lab Sample ID: LCS 180-112460/1004

Matrix: Water

Analysis Batch: 112460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	10.7		ug/L		107	60 - 140
Tetrachloroethene	10.0	11.1		ug/L		111	73 - 127
Toluene	10.0	11.3		ug/L		113	74 - 126
Trichloroethene	10.0	10.3		ug/L		103	73 - 125
1,2-Dichlorobenzene	10.0	9.95		ug/L		100	68 - 127
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		58 - 135
4-Bromofluorobenzene (Surr)	95		62 - 123
Toluene-d8 (Surr)	100		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

Lab Sample ID: LCSD 180-112460/10

Matrix: Water

Analysis Batch: 112460

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	10.0	10.7		ug/L		107	60 - 140	1	25
Tetrachloroethene	10.0	11.0		ug/L		110	73 - 127	1	25
Toluene	10.0	11.1		ug/L		111	74 - 126	1	25
Trichloroethene	10.0	10.3		ug/L		103	73 - 125	0	25
1,2-Dichlorobenzene	10.0	10.4		ug/L		104	68 - 127	4	35
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	69 - 127	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	89		62 - 123
Toluene-d8 (Surr)	92		71 - 118

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

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

Lab Sample ID: LCSD 180-112460/10
Matrix: Water
Analysis Batch: 112460

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	92		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-111863/1-A
Matrix: Water
Analysis Batch: 112216

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 111863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/18/14 08:54	07/22/14 09:53	1
Chromium	5.0	U	5.0	0.77	ug/L		07/18/14 08:54	07/22/14 09:53	1

Lab Sample ID: LCS 180-111863/2-A
Matrix: Water
Analysis Batch: 112216

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 111863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	50.6		ug/L		101	85 - 115
Chromium	200	200		ug/L		100	85 - 115

Lab Sample ID: 180-34905-B-7-B MS
Matrix: Water
Analysis Batch: 112216

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 111863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	5.0	U	50.0	50.3		ug/L		101	70 - 130
Chromium	5.0	U	200	199		ug/L		100	70 - 130

Lab Sample ID: 180-34905-B-7-C MSD
Matrix: Water
Analysis Batch: 112216

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 111863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	5.0	U	50.0	51.0		ug/L		102	70 - 130	1	20
Chromium	5.0	U	200	201		ug/L		100	70 - 130	1	20

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

Lab Sample ID: MB 180-112127/2
Matrix: Water
Analysis Batch: 112127

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	2.0	U	2.0	2.0	mg/L			07/21/14 18:54	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

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

Lab Sample ID: LCS 180-112127/1

Matrix: Water

Analysis Batch: 112127

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	53.6	52.0		mg/L		97	80 - 120

Lab Sample ID: 180-34814-A-1 DU

Matrix: Water

Analysis Batch: 112127

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.4		5.20		mg/L		17	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-111664/1

Matrix: Water

Analysis Batch: 111664

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	7.030		SU		100	99 - 101

Lab Sample ID: 180-34509-D-1 DU

Matrix: Water

Analysis Batch: 111664

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.60		8.590		SU		0.1	2

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34840-1

GC/MS VOA

Analysis Batch: 112460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34840-1	WS-18036-071414-008	Total/NA	Water	624	
180-34840-2	WS-18036-071414-009	Total/NA	Water	624	
180-34840-3	WS-18036-071414-010	Total/NA	Water	624	
LCS 180-112460/1004	Lab Control Sample	Total/NA	Water	624	
LCS D 180-112460/10	Lab Control Sample Dup	Total/NA	Water	624	
MB 180-112460/7	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 111863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34840-1	WS-18036-071414-008	Total Recoverable	Water	200.7	
180-34840-2	WS-18036-071414-009	Total Recoverable	Water	200.7	
180-34840-3	WS-18036-071414-010	Total Recoverable	Water	200.7	
180-34905-B-7-B MS	Matrix Spike	Total Recoverable	Water	200.7	
180-34905-B-7-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 180-111863/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-111863/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 112216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34840-1	WS-18036-071414-008	Total Recoverable	Water	200.7 Rev 4.4	111863
180-34840-2	WS-18036-071414-009	Total Recoverable	Water	200.7 Rev 4.4	111863
180-34840-3	WS-18036-071414-010	Total Recoverable	Water	200.7 Rev 4.4	111863
180-34905-B-7-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	111863
180-34905-B-7-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	111863
LCS 180-111863/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	111863
MB 180-111863/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	111863

General Chemistry

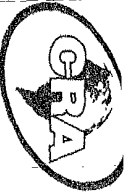
Analysis Batch: 111664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34509-D-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
180-34840-1	WS-18036-071414-008	Total/NA	Water	SM 4500 H+ B	
180-34840-2	WS-18036-071414-009	Total/NA	Water	SM 4500 H+ B	
180-34840-3	WS-18036-071414-010	Total/NA	Water	SM 4500 H+ B	
LCS 180-111664/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 112127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34814-A-1 DU	Duplicate	Total/NA	Water	SM 2540D	
180-34840-1	WS-18036-071414-008	Total/NA	Water	SM 2540D	
180-34840-2	WS-18036-071414-009	Total/NA	Water	SM 2540D	
180-34840-3	WS-18036-071414-010	Total/NA	Water	SM 2540D	
LCS 180-112127/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-112127/2	Method Blank	Total/NA	Water	SM 2540D	

TestAmerica Pittsburgh



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

Address:

NE/NY

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

COC NO: 31019

PAGE 1 OF 1

(See Reverse Side for Instructions)

7/25/2014

Project No./Phase/Task Code: 18036-2014

Project Name: AIRPORT STORM WATER

Project Location: CHECK TOWNAGA, NY

Chemistry Contact: LEO BRAUSCH

Sampler(s): KENNEDY BROOK, DEWES OSCAR

Lab Contact: JILL GAUSSY

Lab Location: PITTSBURGH, PA

Carrier: FEDEX

Date Shipped: 7/14/14

Special Instructions: COMMENTS/

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (m/d/yyyy)	TIME (hh:mm)	Matrix Code (see back of COC)	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 3x6-g, 1x25-g	Other: ICE	Total Containers/Sample	ANALYSIS REQUESTED (See Back of COC for Definitions)	MS/MSD Request	Carrier: Airbill No:	SSOW ID:	Cooler No:
1	WS-18036-071414-008	7/14/14	0735	WS G	2	3	1							6	VOLCS/HCl METALS w/ H ₂ O ₂ PH TSS				
2	WS-18036-071414-009		0755		2	3	1							6					
3	WS-18036-071414-DID		0835		2	3	1							6					
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			

180-34840 Chain of Custody

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

Day 2 Days 3 Days 1 Week 2 Week Other:

RECEIVED BY: [Signature]

DATE: 7/15/14

TIME: 9:05

COMPANY: [Signature]

Notes/Special Requirements:

Total Number of Containers: 1

All Samples in Cooler must be on COC

Notes: [Handwritten notes]

Distribution: WHITE - Fully Executed Copy (CRA) YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampling Crew

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

CRA Form, COC-108 (2011/08/04)





APPROVERS
153001111501

ORIGIN ID:BUFA (716) 609-0384
CRA INC
2055 NIAGARA FALLS BLVD-STE 3,
NIAGARA FALLS, NY 143045702
UNITED STATES US

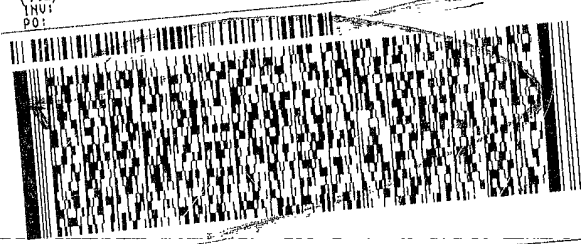
SHIP DATE: 14JUL14
ACTWGT: 30.4 LB
CAD: POS1501
DIMS: 19x13x10 IN
BILL SENDER

TO **SAMPLE CUSTODIAN**
TEST AMERICA
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7068
INU:
PO:

REF:
DEPT:



TUE - 15 JUL 10:30A
PRIORITY OVERNIGHT

TRK# 8059 4022 4233
0200

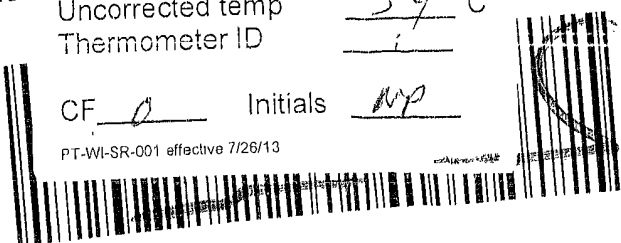
XH AGCA

15238
PA-US **PIT**

Uncorrected temp 34 °C
Thermometer ID i

CF o Initials MP

PT-WI-SR-001 effective 7/26/13



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Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-34840-1

Login Number: 34840

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Watson, Debbie

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



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: 180-39250-1
Client Project/Site: Buffalo Airport
Revision: 1

For:
Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:
11/14/2016 5:18:12 PM

Jill Colussy, Project Manager I
(412)963-2444
jill.colussy@testamericainc.com

LINKS

Review your project
results through
TotalAccess

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.

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Job ID: 180-39250-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-39250-1 REV1

Note

The client added analytes to method 624 after the report went out. A revised report (Rev1) was created.

Receipt

The samples were received on 11/25/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.1° C, 3.8° C and 4.1° C.

GC/MS VOA

The following samples were diluted to bring the concentration of target analytes within the calibration range: WS-18036-112414-003 (180-39250-3), WS-18036-112414-004 (180-39250-4), WS-18036-112414-006 (180-39250-6), and WS-18036-112414-007 (180-39250-7). Elevated reporting limits (RLs) are provided.

The laboratory control standard for batch 180-127185 recovered outside of the control limits for 2-hexanone. Re-analysis could not be done due to the client added compounds after the report as final.

Metals

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

General Chemistry

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

Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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.
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.

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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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	06-27-17
California	State Program	9	2891	03-31-18
Connecticut	State Program	1	PH-0688	09-30-18
Florida	NELAP	4	E871008	06-30-17
Illinois	NELAP	5	200005	06-30-17
Kansas	NELAP	7	E-10350	01-31-17
Louisiana	NELAP	6	04041	06-30-17
New Hampshire	NELAP	1	2030	04-04-17
New Jersey	NELAP	2	PA005	06-30-17
New York	NELAP	2	11182	03-31-17
North Carolina (WW/SW)	State Program	4	434	12-31-16
Pennsylvania	NELAP	3	02-00416	04-30-17
South Carolina	State Program	4	89014	04-30-17
Texas	NELAP	6	T104704528-15-2	03-31-17
US Fish & Wildlife	Federal		LE94312A-1	10-31-17
USDA	Federal		P330-16-00211	06-26-19
Utah	NELAP	8	PA001462015-4	05-31-17
Virginia	NELAP	3	460189	09-14-17
West Virginia DEP	State Program	3	142	01-31-17
Wisconsin	State Program	5	998027800	08-31-17

Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-39250-1	WS-18036-112414-001	Water	11/24/14 09:00	11/25/14 09:40
180-39250-2	WS-18036-112414-002	Water	11/24/14 09:30	11/25/14 09:40
180-39250-3	WS-18036-112414-003	Water	11/24/14 11:30	11/25/14 09:40
180-39250-4	WS-18036-112414-004	Water	11/24/14 11:45	11/25/14 09:40
180-39250-5	WS-18036-112414-005	Water	11/24/14 12:30	11/25/14 09:40
180-39250-6	WS-18036-112414-006	Water	11/24/14 14:00	11/25/14 09:40
180-39250-7	WS-18036-112414-007	Water	11/24/14 14:45	11/25/14 09:40
180-39250-8	WS-18036-112414-008	Water	11/24/14 15:15	11/25/14 09:40
180-39250-9	WS-18036-112414-009	Water	11/24/14 15:15	11/25/14 09:40
180-39250-10	WS-18036-112414-010	Water	11/24/14 15:45	11/25/14 09:40
180-39250-11	WS-18036-112414-011	Water	11/24/14 16:15	11/25/14 09:40
180-39250-12	TB-18036-112414-01	Water	11/24/14 00:00	11/25/14 09:40



Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-001

Lab Sample ID: 180-39250-1

Date Collected: 11/24/14 09:00

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127175	12/05/14 00:45	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 13:48	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:29	AB1	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-112414-002

Lab Sample ID: 180-39250-2

Date Collected: 11/24/14 09:30

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127358	12/06/14 00:09	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 13:53	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:32	AB1	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-112414-003

Lab Sample ID: 180-39250-3

Date Collected: 11/24/14 11:30

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127175	12/05/14 01:34	DLF	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	10	5 mL	5 mL	127358	12/06/14 00:33	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 13:58	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:35	AB1	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-004

Lab Sample ID: 180-39250-4

Date Collected: 11/24/14 11:45

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	5 mL	5 mL	127358	12/06/14 00:57	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 14:03	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:38	AB1	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-112414-005

Lab Sample ID: 180-39250-5

Date Collected: 11/24/14 12:30

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127185	12/04/14 14:41	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 14:19	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:53	AB1	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-112414-006

Lab Sample ID: 180-39250-6

Date Collected: 11/24/14 14:00

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624	DL	5	5 mL	5 mL	127358	12/06/14 01:21	DLF	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624		1	5 mL	5 mL	127185	12/05/14 08:14	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 14:39	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:41	AB1	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-007

Lab Sample ID: 180-39250-7

Date Collected: 11/24/14 14:45

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	127358	12/06/14 01:45	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 14:44	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:44	AB1	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-112414-008

Lab Sample ID: 180-39250-8

Date Collected: 11/24/14 15:15

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127185	12/05/14 09:02	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 14:50	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:47	AB1	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-112414-009

Lab Sample ID: 180-39250-9

Date Collected: 11/24/14 15:15

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127185	12/05/14 09:49	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 14:55	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 09:59	AB1	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-010

Lab Sample ID: 180-39250-10

Date Collected: 11/24/14 15:45

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127185	12/05/14 10:14	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 15:00	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 10:01	AB1	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-112414-011

Lab Sample ID: 180-39250-11

Date Collected: 11/24/14 16:15

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127358	12/06/14 02:10	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	126755	11/30/14 08:32	SLB	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			126879	12/01/14 15:05	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	126538	11/26/14 08:46	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			126534	11/26/14 10:04	AB1	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: TB-18036-112414-01

Lab Sample ID: 180-39250-12

Date Collected: 11/24/14 00:00

Matrix: Water

Date Received: 11/25/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	127185	12/04/14 14:17	DLF	TAL PIT
Instrument ID: CHHP6										

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: 180-39250-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

SLB = Sandy Becker

Batch Type: Analysis

AB1 = Ashwin Baikadi

DLF = Donald Ferguson

JWS = Jim Swanson

RJG = Rob Good

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Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-001

Lab Sample ID: 180-39250-1

Date Collected: 11/24/14 09:00

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/05/14 00:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 00:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 00:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 00:45	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/05/14 00:45	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 00:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 00:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 00:45	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 00:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 00:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 00:45	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 00:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 00:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 00:45	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/05/14 00:45	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/05/14 00:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/05/14 00:45	1
Acetone	5.0	U	5.0	2.5	ug/L			12/05/14 00:45	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 00:45	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 00:45	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 00:45	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 00:45	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 00:45	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 00:45	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 00:45	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 00:45	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/05/14 00:45	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 00:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/05/14 00:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 00:45	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 00:45	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 00:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 00:45	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 00:45	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 00:45	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 00:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 00:45	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 00:45	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/05/14 00:45	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 00:45	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/05/14 00:45	1
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 00:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/05/14 00:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 00:45	1
Trichloroethene	0.20	J	1.0	0.14	ug/L			12/05/14 00:45	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 00:45	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/05/14 00:45	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 00:45	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-001

Lab Sample ID: 180-39250-1

Date Collected: 11/24/14 09:00

Matrix: Water

Date Received: 11/25/14 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 135		12/05/14 00:45	1
4-Bromofluorobenzene (Surr)	97		62 - 123		12/05/14 00:45	1
Toluene-d8 (Surr)	104		71 - 118		12/05/14 00:45	1
Dibromofluoromethane (Surr)	106		64 - 128		12/05/14 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 13:48	1
Chromium	1.1	J	5.0	0.77	ug/L		11/30/14 08:32	12/01/14 13:48	1
Lead	1.6	J	10	1.2	ug/L		11/30/14 08:32	12/01/14 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	5.6		2.0	2.0	mg/L			11/26/14 08:46	1
pH	7.69	HF	0.100	0.100	SU			11/26/14 09:29	1

Client Sample ID: WS-18036-112414-002

Lab Sample ID: 180-39250-2

Date Collected: 11/24/14 09:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/06/14 00:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/06/14 00:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/06/14 00:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/06/14 00:09	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/06/14 00:09	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/06/14 00:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/06/14 00:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/06/14 00:09	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/06/14 00:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/06/14 00:09	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/06/14 00:09	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/06/14 00:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/06/14 00:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/06/14 00:09	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/06/14 00:09	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/06/14 00:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/06/14 00:09	1
Acetone	5.0	U	5.0	2.5	ug/L			12/06/14 00:09	1
Benzene	1.0	U	1.0	0.11	ug/L			12/06/14 00:09	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/06/14 00:09	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/06/14 00:09	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/06/14 00:09	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/06/14 00:09	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/06/14 00:09	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/06/14 00:09	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/06/14 00:09	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/06/14 00:09	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/06/14 00:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/06/14 00:09	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-002

Lab Sample ID: 180-39250-2

Date Collected: 11/24/14 09:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/06/14 00:09	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/06/14 00:09	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/06/14 00:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/06/14 00:09	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/06/14 00:09	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/06/14 00:09	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/06/14 00:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/06/14 00:09	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/06/14 00:09	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/06/14 00:09	1
Styrene	1.0	U	1.0	0.097	ug/L			12/06/14 00:09	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/06/14 00:09	1
Toluene	1.0	U	1.0	0.15	ug/L			12/06/14 00:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/06/14 00:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/06/14 00:09	1
Trichloroethene	0.24	J	1.0	0.14	ug/L			12/06/14 00:09	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/06/14 00:09	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/06/14 00:09	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/06/14 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		12/06/14 00:09	1
4-Bromofluorobenzene (Surr)	97		62 - 123		12/06/14 00:09	1
Toluene-d8 (Surr)	107		71 - 118		12/06/14 00:09	1
Dibromofluoromethane (Surr)	101		64 - 128		12/06/14 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 13:53	1
Chromium	0.78	J	5.0	0.77	ug/L		11/30/14 08:32	12/01/14 13:53	1
Lead	10	U	10	1.2	ug/L		11/30/14 08:32	12/01/14 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	8.0		2.0	2.0	mg/L			11/26/14 08:46	1
pH	7.82	HF	0.100	0.100	SU			11/26/14 09:32	1

Client Sample ID: WS-18036-112414-003

Lab Sample ID: 180-39250-3

Date Collected: 11/24/14 11:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.69	J	1.0	0.29	ug/L			12/05/14 01:34	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 01:34	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 01:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 01:34	1
1,1-Dichloroethane	0.31	J	1.0	0.12	ug/L			12/05/14 01:34	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 01:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 01:34	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-003

Lab Sample ID: 180-39250-3

Date Collected: 11/24/14 11:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 01:34	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 01:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 01:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 01:34	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 01:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 01:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 01:34	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/05/14 01:34	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/05/14 01:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/05/14 01:34	1
Acetone	2.8	J	5.0	2.5	ug/L			12/05/14 01:34	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 01:34	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 01:34	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 01:34	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 01:34	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 01:34	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 01:34	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 01:34	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 01:34	1
Chloroform	0.21	J	1.0	0.17	ug/L			12/05/14 01:34	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 01:34	1
cis-1,2-Dichloroethene	21		1.0	0.24	ug/L			12/05/14 01:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 01:34	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 01:34	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 01:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 01:34	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 01:34	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 01:34	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 01:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 01:34	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 01:34	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/05/14 01:34	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 01:34	1
Tetrachloroethene	0.98	J	1.0	0.15	ug/L			12/05/14 01:34	1
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 01:34	1
trans-1,2-Dichloroethene	0.29	J	1.0	0.17	ug/L			12/05/14 01:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 01:34	1
Trichloroethene	140	E	1.0	0.14	ug/L			12/05/14 01:34	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 01:34	1
Vinyl chloride	1.6		1.0	0.23	ug/L			12/05/14 01:34	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135		12/05/14 01:34	1
4-Bromofluorobenzene (Surr)	94		62 - 123		12/05/14 01:34	1
Toluene-d8 (Surr)	104		71 - 118		12/05/14 01:34	1
Dibromofluoromethane (Surr)	103		64 - 128		12/05/14 01:34	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-003

Lab Sample ID: 180-39250-3

Date Collected: 11/24/14 11:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10	U	10	2.9	ug/L			12/06/14 00:33	10
1,1,1,2-Tetrachloroethane	10	U	10	2.0	ug/L			12/06/14 00:33	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	3.2	ug/L			12/06/14 00:33	10
1,1,2-Trichloroethane	10	U	10	2.0	ug/L			12/06/14 00:33	10
1,1-Dichloroethane	10	U	10	1.2	ug/L			12/06/14 00:33	10
1,1-Dichloroethene	10	U	10	3.0	ug/L			12/06/14 00:33	10
1,2,4-Trichlorobenzene	10	U	10	2.7	ug/L			12/06/14 00:33	10
1,2-Dibromo-3-Chloropropane	10	U	10	1.4	ug/L			12/06/14 00:33	10
1,2-Dibromoethane (EDB)	10	U	10	1.8	ug/L			12/06/14 00:33	10
1,2-Dichlorobenzene	10	U	10	1.5	ug/L			12/06/14 00:33	10
1,2-Dichloroethane	10	U	10	2.1	ug/L			12/06/14 00:33	10
1,2-Dichloropropane	10	U	10	0.95	ug/L			12/06/14 00:33	10
1,3-Dichlorobenzene	10	U	10	1.1	ug/L			12/06/14 00:33	10
1,4-Dichlorobenzene	10	U	10	2.1	ug/L			12/06/14 00:33	10
2-Butanone (MEK)	50	U	50	5.5	ug/L			12/06/14 00:33	10
2-Hexanone	50	U	50	1.6	ug/L			12/06/14 00:33	10
4-Methyl-2-pentanone (MIBK)	50	U	50	5.3	ug/L			12/06/14 00:33	10
Acetone	50	U	50	25	ug/L			12/06/14 00:33	10
Benzene	10	U	10	1.1	ug/L			12/06/14 00:33	10
Bromoform	10	U	10	1.9	ug/L			12/06/14 00:33	10
Bromomethane	10	U	10	3.1	ug/L			12/06/14 00:33	10
Carbon disulfide	10	U	10	2.1	ug/L			12/06/14 00:33	10
Carbon tetrachloride	10	U	10	1.4	ug/L			12/06/14 00:33	10
Chlorobenzene	10	U	10	1.4	ug/L			12/06/14 00:33	10
Chlorodibromomethane	10	U	10	1.4	ug/L			12/06/14 00:33	10
Chloroethane	10	U	10	2.1	ug/L			12/06/14 00:33	10
Chloroform	10	U	10	1.7	ug/L			12/06/14 00:33	10
Chloromethane	10	U	10	2.8	ug/L			12/06/14 00:33	10
cis-1,2-Dichloroethene	20		10	2.4	ug/L			12/06/14 00:33	10
cis-1,3-Dichloropropene	10	U	10	1.9	ug/L			12/06/14 00:33	10
Cyclohexane	10	U	10	2.5	ug/L			12/06/14 00:33	10
Dichlorobromomethane	10	U	10	1.3	ug/L			12/06/14 00:33	10
Dichlorodifluoromethane	10	U	10	1.9	ug/L			12/06/14 00:33	10
Ethylbenzene	10	U	10	2.3	ug/L			12/06/14 00:33	10
Isopropylbenzene	10	U	10	1.6	ug/L			12/06/14 00:33	10
Methyl acetate	10	U	10	1.4	ug/L			12/06/14 00:33	10
Methyl tert-butyl ether	10	U	10	1.8	ug/L			12/06/14 00:33	10
Methylcyclohexane	10	U	10	2.6	ug/L			12/06/14 00:33	10
Methylene Chloride	4.9	J B	10	1.5	ug/L			12/06/14 00:33	10
Styrene	10	U	10	0.97	ug/L			12/06/14 00:33	10
Tetrachloroethene	10	U	10	1.5	ug/L			12/06/14 00:33	10
Toluene	10	U	10	1.5	ug/L			12/06/14 00:33	10
trans-1,2-Dichloroethene	10	U	10	1.7	ug/L			12/06/14 00:33	10
trans-1,3-Dichloropropene	10	U	10	1.5	ug/L			12/06/14 00:33	10
Trichloroethene	120		10	1.4	ug/L			12/06/14 00:33	10
Trichlorofluoromethane	10	U	10	2.0	ug/L			12/06/14 00:33	10
Vinyl chloride	10	U	10	2.3	ug/L			12/06/14 00:33	10
Xylenes, Total	30	U	30	4.9	ug/L			12/06/14 00:33	10

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-003

Lab Sample ID: 180-39250-3

Date Collected: 11/24/14 11:30

Matrix: Water

Date Received: 11/25/14 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		58 - 135		12/06/14 00:33	10
4-Bromofluorobenzene (Surr)	95		62 - 123		12/06/14 00:33	10
Toluene-d8 (Surr)	104		71 - 118		12/06/14 00:33	10
Dibromofluoromethane (Surr)	103		64 - 128		12/06/14 00:33	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.21	J	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 13:58	1
Chromium	3.0	J	5.0	0.77	ug/L		11/30/14 08:32	12/01/14 13:58	1
Lead	10	U	10	1.2	ug/L		11/30/14 08:32	12/01/14 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	U	2.0	2.0	mg/L			11/26/14 08:46	1
pH	8.32	HF	0.100	0.100	SU			11/26/14 09:35	1

Client Sample ID: WS-18036-112414-004

Lab Sample ID: 180-39250-4

Date Collected: 11/24/14 11:45

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.57	ug/L			12/06/14 00:57	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40	ug/L			12/06/14 00:57	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.64	ug/L			12/06/14 00:57	2
1,1,2-Trichloroethane	2.0	U	2.0	0.40	ug/L			12/06/14 00:57	2
1,1-Dichloroethane	2.0	U	2.0	0.23	ug/L			12/06/14 00:57	2
1,1-Dichloroethene	2.0	U	2.0	0.59	ug/L			12/06/14 00:57	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.54	ug/L			12/06/14 00:57	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.28	ug/L			12/06/14 00:57	2
1,2-Dibromoethane (EDB)	2.0	U	2.0	0.36	ug/L			12/06/14 00:57	2
1,2-Dichlorobenzene	2.0	U	2.0	0.30	ug/L			12/06/14 00:57	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			12/06/14 00:57	2
1,2-Dichloropropane	2.0	U	2.0	0.19	ug/L			12/06/14 00:57	2
1,3-Dichlorobenzene	2.0	U	2.0	0.21	ug/L			12/06/14 00:57	2
1,4-Dichlorobenzene	2.0	U	2.0	0.41	ug/L			12/06/14 00:57	2
2-Butanone (MEK)	10	U	10	1.1	ug/L			12/06/14 00:57	2
2-Hexanone	10	U	10	0.32	ug/L			12/06/14 00:57	2
4-Methyl-2-pentanone (MIBK)	10	U	10	1.1	ug/L			12/06/14 00:57	2
Acetone	13		10	5.0	ug/L			12/06/14 00:57	2
Benzene	2.0	U	2.0	0.21	ug/L			12/06/14 00:57	2
Bromoform	2.0	U	2.0	0.38	ug/L			12/06/14 00:57	2
Bromomethane	2.0	U	2.0	0.63	ug/L			12/06/14 00:57	2
Carbon disulfide	2.0	U	2.0	0.42	ug/L			12/06/14 00:57	2
Carbon tetrachloride	2.0	U	2.0	0.27	ug/L			12/06/14 00:57	2
Chlorobenzene	2.0	U	2.0	0.27	ug/L			12/06/14 00:57	2
Chlorodibromomethane	2.0	U	2.0	0.27	ug/L			12/06/14 00:57	2
Chloroethane	2.0	U	2.0	0.43	ug/L			12/06/14 00:57	2
Chloroform	0.90	J	2.0	0.34	ug/L			12/06/14 00:57	2
Chloromethane	2.0	U	2.0	0.57	ug/L			12/06/14 00:57	2
cis-1,2-Dichloroethene	27		2.0	0.47	ug/L			12/06/14 00:57	2

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-004

Lab Sample ID: 180-39250-4

Date Collected: 11/24/14 11:45

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	2.0	U	2.0	0.37	ug/L			12/06/14 00:57	2
Cyclohexane	2.0	U	2.0	0.51	ug/L			12/06/14 00:57	2
Dichlorobromomethane	2.0	U	2.0	0.26	ug/L			12/06/14 00:57	2
Dichlorodifluoromethane	2.0	U	2.0	0.39	ug/L			12/06/14 00:57	2
Ethylbenzene	2.0	U	2.0	0.45	ug/L			12/06/14 00:57	2
Isopropylbenzene	2.0	U	2.0	0.33	ug/L			12/06/14 00:57	2
Methyl acetate	2.0	U	2.0	0.28	ug/L			12/06/14 00:57	2
Methyl tert-butyl ether	2.0	U	2.0	0.37	ug/L			12/06/14 00:57	2
Methylcyclohexane	2.0	U	2.0	0.52	ug/L			12/06/14 00:57	2
Methylene Chloride	0.71	J B	2.0	0.30	ug/L			12/06/14 00:57	2
Styrene	2.0	U	2.0	0.19	ug/L			12/06/14 00:57	2
Tetrachloroethene	7.9		2.0	0.30	ug/L			12/06/14 00:57	2
Toluene	2.0	U	2.0	0.30	ug/L			12/06/14 00:57	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			12/06/14 00:57	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.30	ug/L			12/06/14 00:57	2
Trichloroethene	44		2.0	0.29	ug/L			12/06/14 00:57	2
Trichlorofluoromethane	2.0	U	2.0	0.40	ug/L			12/06/14 00:57	2
Vinyl chloride	1.6	J	2.0	0.45	ug/L			12/06/14 00:57	2
Xylenes, Total	6.0	U	6.0	0.98	ug/L			12/06/14 00:57	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		58 - 135		12/06/14 00:57	2
4-Bromofluorobenzene (Surr)	100		62 - 123		12/06/14 00:57	2
Toluene-d8 (Surr)	104		71 - 118		12/06/14 00:57	2
Dibromofluoromethane (Surr)	103		64 - 128		12/06/14 00:57	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 14:03	1
Chromium	7.1		5.0	0.77	ug/L		11/30/14 08:32	12/01/14 14:03	1
Lead	10	U	10	1.2	ug/L		11/30/14 08:32	12/01/14 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	97		2.0	2.0	mg/L			11/26/14 08:46	1
pH	10.4	HF	0.100	0.100	SU			11/26/14 09:38	1

Client Sample ID: WS-18036-112414-005

Lab Sample ID: 180-39250-5

Date Collected: 11/24/14 12:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/04/14 14:41	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 14:41	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/04/14 14:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 14:41	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/04/14 14:41	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/04/14 14:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/04/14 14:41	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-005

Lab Sample ID: 180-39250-5

Date Collected: 11/24/14 12:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/04/14 14:41	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/04/14 14:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/04/14 14:41	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 14:41	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/04/14 14:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/04/14 14:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/04/14 14:41	1
2-Butanone (MEK)	5.0	U F1	5.0	0.55	ug/L			12/04/14 14:41	1
2-Hexanone	5.0	U * F1	5.0	0.16	ug/L			12/04/14 14:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U F1	5.0	0.53	ug/L			12/04/14 14:41	1
Acetone	13		5.0	2.5	ug/L			12/04/14 14:41	1
Benzene	1.0	U	1.0	0.11	ug/L			12/04/14 14:41	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/04/14 14:41	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/04/14 14:41	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/04/14 14:41	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/04/14 14:41	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/04/14 14:41	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/04/14 14:41	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 14:41	1
Chloroform	0.48	J	1.0	0.17	ug/L			12/04/14 14:41	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/04/14 14:41	1
cis-1,2-Dichloroethene	18	F1	1.0	0.24	ug/L			12/04/14 14:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/04/14 14:41	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/04/14 14:41	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/04/14 14:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/04/14 14:41	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/04/14 14:41	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/04/14 14:41	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/04/14 14:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/04/14 14:41	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/04/14 14:41	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/04/14 14:41	1
Styrene	1.0	U	1.0	0.097	ug/L			12/04/14 14:41	1
Tetrachloroethene	6.3	F1	1.0	0.15	ug/L			12/04/14 14:41	1
Toluene	1.0	U	1.0	0.15	ug/L			12/04/14 14:41	1
trans-1,2-Dichloroethene	0.17	J	1.0	0.17	ug/L			12/04/14 14:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/04/14 14:41	1
Trichloroethene	30	F1	1.0	0.14	ug/L			12/04/14 14:41	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/04/14 14:41	1
Vinyl chloride	1.4		1.0	0.23	ug/L			12/04/14 14:41	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/04/14 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		12/04/14 14:41	1
4-Bromofluorobenzene (Surr)	100		62 - 123		12/04/14 14:41	1
Toluene-d8 (Surr)	111		71 - 118		12/04/14 14:41	1
Dibromofluoromethane (Surr)	101		64 - 128		12/04/14 14:41	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-005

Lab Sample ID: 180-39250-5

Date Collected: 11/24/14 12:30

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.34	J	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 14:19	1
Chromium	15		5.0	0.77	ug/L		11/30/14 08:32	12/01/14 14:19	1
Lead	9.5	J	10	1.2	ug/L		11/30/14 08:32	12/01/14 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	150		2.0	2.0	mg/L			11/26/14 08:46	1
pH	9.17	HF	0.100	0.100	SU			11/26/14 09:53	1

Client Sample ID: WS-18036-112414-006

Lab Sample ID: 180-39250-6

Date Collected: 11/24/14 14:00

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.38	J	1.0	0.29	ug/L			12/05/14 08:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 08:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 08:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 08:14	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/05/14 08:14	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 08:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 08:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 08:14	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 08:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 08:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 08:14	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 08:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 08:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 08:14	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/05/14 08:14	1
2-Hexanone	5.0	U *	5.0	0.16	ug/L			12/05/14 08:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/05/14 08:14	1
Acetone	3.0	J	5.0	2.5	ug/L			12/05/14 08:14	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 08:14	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 08:14	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 08:14	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 08:14	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 08:14	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 08:14	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 08:14	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 08:14	1
Chloroform	0.22	J	1.0	0.17	ug/L			12/05/14 08:14	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 08:14	1
cis-1,2-Dichloroethene	42	E	1.0	0.24	ug/L			12/05/14 08:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 08:14	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 08:14	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 08:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 08:14	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 08:14	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 08:14	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-006

Lab Sample ID: 180-39250-6

Date Collected: 11/24/14 14:00

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 08:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 08:14	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 08:14	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/05/14 08:14	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 08:14	1
Tetrachloroethene	1.0		1.0	0.15	ug/L			12/05/14 08:14	1
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 08:14	1
trans-1,2-Dichloroethene	0.53	J	1.0	0.17	ug/L			12/05/14 08:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 08:14	1
Trichloroethene	110	E	1.0	0.14	ug/L			12/05/14 08:14	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 08:14	1
Vinyl chloride	4.9		1.0	0.23	ug/L			12/05/14 08:14	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 08:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 135		12/05/14 08:14	1
4-Bromofluorobenzene (Surr)	96		62 - 123		12/05/14 08:14	1
Toluene-d8 (Surr)	106		71 - 118		12/05/14 08:14	1
Dibromofluoromethane (Surr)	104		64 - 128		12/05/14 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	1.4	ug/L			12/06/14 01:21	5
1,1,1,2-Tetrachloroethane	5.0	U	5.0	1.0	ug/L			12/06/14 01:21	5
1,1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.6	ug/L			12/06/14 01:21	5
1,1,2-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/06/14 01:21	5
1,1-Dichloroethane	5.0	U	5.0	0.58	ug/L			12/06/14 01:21	5
1,1-Dichloroethene	5.0	U	5.0	1.5	ug/L			12/06/14 01:21	5
1,2,4-Trichlorobenzene	5.0	U	5.0	1.4	ug/L			12/06/14 01:21	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.70	ug/L			12/06/14 01:21	5
1,2-Dibromoethane (EDB)	5.0	U	5.0	0.90	ug/L			12/06/14 01:21	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			12/06/14 01:21	5
1,2-Dichloroethane	5.0	U	5.0	1.1	ug/L			12/06/14 01:21	5
1,2-Dichloropropane	5.0	U	5.0	0.47	ug/L			12/06/14 01:21	5
1,3-Dichlorobenzene	5.0	U	5.0	0.53	ug/L			12/06/14 01:21	5
1,4-Dichlorobenzene	5.0	U	5.0	1.0	ug/L			12/06/14 01:21	5
2-Butanone (MEK)	25	U	25	2.7	ug/L			12/06/14 01:21	5
2-Hexanone	25	U	25	0.80	ug/L			12/06/14 01:21	5
4-Methyl-2-pentanone (MIBK)	25	U	25	2.6	ug/L			12/06/14 01:21	5
Acetone	25	U	25	13	ug/L			12/06/14 01:21	5
Benzene	5.0	U	5.0	0.53	ug/L			12/06/14 01:21	5
Bromoform	5.0	U	5.0	0.96	ug/L			12/06/14 01:21	5
Bromomethane	5.0	U	5.0	1.6	ug/L			12/06/14 01:21	5
Carbon disulfide	5.0	U	5.0	1.1	ug/L			12/06/14 01:21	5
Carbon tetrachloride	5.0	U	5.0	0.68	ug/L			12/06/14 01:21	5
Chlorobenzene	5.0	U	5.0	0.68	ug/L			12/06/14 01:21	5
Chlorodibromomethane	5.0	U	5.0	0.68	ug/L			12/06/14 01:21	5
Chloroethane	5.0	U	5.0	1.1	ug/L			12/06/14 01:21	5
Chloroform	5.0	U	5.0	0.85	ug/L			12/06/14 01:21	5
Chloromethane	5.0	U	5.0	1.4	ug/L			12/06/14 01:21	5

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-006

Lab Sample ID: 180-39250-6

Date Collected: 11/24/14 14:00

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	53		5.0	1.2	ug/L			12/06/14 01:21	5
cis-1,3-Dichloropropene	5.0	U	5.0	0.93	ug/L			12/06/14 01:21	5
Cyclohexane	5.0	U	5.0	1.3	ug/L			12/06/14 01:21	5
Dichlorobromomethane	5.0	U	5.0	0.65	ug/L			12/06/14 01:21	5
Dichlorodifluoromethane	5.0	U	5.0	0.96	ug/L			12/06/14 01:21	5
Ethylbenzene	5.0	U	5.0	1.1	ug/L			12/06/14 01:21	5
Isopropylbenzene	5.0	U	5.0	0.82	ug/L			12/06/14 01:21	5
Methyl acetate	5.0	U	5.0	0.69	ug/L			12/06/14 01:21	5
Methyl tert-butyl ether	5.0	U	5.0	0.92	ug/L			12/06/14 01:21	5
Methylcyclohexane	5.0	U	5.0	1.3	ug/L			12/06/14 01:21	5
Methylene Chloride	5.0	U	5.0	0.75	ug/L			12/06/14 01:21	5
Styrene	5.0	U	5.0	0.48	ug/L			12/06/14 01:21	5
Tetrachloroethene	0.89	J	5.0	0.74	ug/L			12/06/14 01:21	5
Toluene	5.0	U	5.0	0.75	ug/L			12/06/14 01:21	5
trans-1,2-Dichloroethene	5.0	U	5.0	0.85	ug/L			12/06/14 01:21	5
trans-1,3-Dichloropropene	5.0	U	5.0	0.74	ug/L			12/06/14 01:21	5
Trichloroethene	130		5.0	0.72	ug/L			12/06/14 01:21	5
Trichlorofluoromethane	5.0	U	5.0	0.99	ug/L			12/06/14 01:21	5
Vinyl chloride	4.2	J	5.0	1.1	ug/L			12/06/14 01:21	5
Xylenes, Total	15	U	15	2.4	ug/L			12/06/14 01:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		58 - 135		12/06/14 01:21	5
4-Bromofluorobenzene (Surr)	98		62 - 123		12/06/14 01:21	5
Toluene-d8 (Surr)	104		71 - 118		12/06/14 01:21	5
Dibromofluoromethane (Surr)	104		64 - 128		12/06/14 01:21	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 14:39	1
Chromium	5.0		5.0	0.77	ug/L		11/30/14 08:32	12/01/14 14:39	1
Lead	10	U	10	1.2	ug/L		11/30/14 08:32	12/01/14 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	22		2.0	2.0	mg/L			11/26/14 08:46	1
pH	8.76	HF	0.100	0.100	SU			11/26/14 09:41	1

Client Sample ID: WS-18036-112414-007

Lab Sample ID: 180-39250-7

Date Collected: 11/24/14 14:45

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.0	U	3.0	0.86	ug/L			12/06/14 01:45	3
1,1,1,2-Tetrachloroethane	3.0	U	3.0	0.60	ug/L			12/06/14 01:45	3
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	0.96	ug/L			12/06/14 01:45	3
1,1,2-Trichloroethane	3.0	U	3.0	0.60	ug/L			12/06/14 01:45	3
1,1-Dichloroethane	3.0	U	3.0	0.35	ug/L			12/06/14 01:45	3
1,1-Dichloroethene	3.0	U	3.0	0.89	ug/L			12/06/14 01:45	3

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-007

Lab Sample ID: 180-39250-7

Date Collected: 11/24/14 14:45

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	3.0	U	3.0	0.81	ug/L			12/06/14 01:45	3
1,2-Dibromo-3-Chloropropane	3.0	U	3.0	0.42	ug/L			12/06/14 01:45	3
1,2-Dibromoethane (EDB)	3.0	U	3.0	0.54	ug/L			12/06/14 01:45	3
1,2-Dichlorobenzene	3.0	U	3.0	0.46	ug/L			12/06/14 01:45	3
1,2-Dichloroethane	3.0	U	3.0	0.64	ug/L			12/06/14 01:45	3
1,2-Dichloropropane	3.0	U	3.0	0.28	ug/L			12/06/14 01:45	3
1,3-Dichlorobenzene	3.0	U	3.0	0.32	ug/L			12/06/14 01:45	3
1,4-Dichlorobenzene	3.0	U	3.0	0.62	ug/L			12/06/14 01:45	3
2-Butanone (MEK)	15	U	15	1.6	ug/L			12/06/14 01:45	3
2-Hexanone	15	U	15	0.48	ug/L			12/06/14 01:45	3
4-Methyl-2-pentanone (MIBK)	15	U	15	1.6	ug/L			12/06/14 01:45	3
Acetone	15	U	15	7.5	ug/L			12/06/14 01:45	3
Benzene	3.0	U	3.0	0.32	ug/L			12/06/14 01:45	3
Bromoform	3.0	U	3.0	0.57	ug/L			12/06/14 01:45	3
Bromomethane	3.0	U	3.0	0.94	ug/L			12/06/14 01:45	3
Carbon disulfide	3.0	U	3.0	0.64	ug/L			12/06/14 01:45	3
Carbon tetrachloride	3.0	U	3.0	0.41	ug/L			12/06/14 01:45	3
Chlorobenzene	3.0	U	3.0	0.41	ug/L			12/06/14 01:45	3
Chlorodibromomethane	3.0	U	3.0	0.41	ug/L			12/06/14 01:45	3
Chloroethane	3.0	U	3.0	0.64	ug/L			12/06/14 01:45	3
Chloroform	3.0	U	3.0	0.51	ug/L			12/06/14 01:45	3
Chloromethane	3.0	U	3.0	0.85	ug/L			12/06/14 01:45	3
cis-1,2-Dichloroethene	30		3.0	0.71	ug/L			12/06/14 01:45	3
cis-1,3-Dichloropropene	3.0	U	3.0	0.56	ug/L			12/06/14 01:45	3
Cyclohexane	3.0	U	3.0	0.76	ug/L			12/06/14 01:45	3
Dichlorobromomethane	3.0	U	3.0	0.39	ug/L			12/06/14 01:45	3
Dichlorodifluoromethane	3.0	U	3.0	0.58	ug/L			12/06/14 01:45	3
Ethylbenzene	3.0	U	3.0	0.68	ug/L			12/06/14 01:45	3
Isopropylbenzene	3.0	U	3.0	0.49	ug/L			12/06/14 01:45	3
Methyl acetate	3.0	U	3.0	0.41	ug/L			12/06/14 01:45	3
Methyl tert-butyl ether	3.0	U	3.0	0.55	ug/L			12/06/14 01:45	3
Methylcyclohexane	3.0	U	3.0	0.78	ug/L			12/06/14 01:45	3
Methylene Chloride	1.3 J B		3.0	0.45	ug/L			12/06/14 01:45	3
Styrene	3.0	U	3.0	0.29	ug/L			12/06/14 01:45	3
Tetrachloroethene	3.0	U	3.0	0.45	ug/L			12/06/14 01:45	3
Toluene	3.0	U	3.0	0.45	ug/L			12/06/14 01:45	3
trans-1,2-Dichloroethene	3.0	U	3.0	0.51	ug/L			12/06/14 01:45	3
trans-1,3-Dichloropropene	3.0	U	3.0	0.44	ug/L			12/06/14 01:45	3
Trichloroethene	110		3.0	0.43	ug/L			12/06/14 01:45	3
Trichlorofluoromethane	3.0	U	3.0	0.60	ug/L			12/06/14 01:45	3
Vinyl chloride	0.84 J		3.0	0.68	ug/L			12/06/14 01:45	3
Xylenes, Total	9.0	U	9.0	1.5	ug/L			12/06/14 01:45	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		58 - 135		12/06/14 01:45	3
4-Bromofluorobenzene (Surr)	96		62 - 123		12/06/14 01:45	3
Toluene-d8 (Surr)	103		71 - 118		12/06/14 01:45	3
Dibromofluoromethane (Surr)	107		64 - 128		12/06/14 01:45	3

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-007

Lab Sample ID: 180-39250-7

Date Collected: 11/24/14 14:45

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 14:44	1
Chromium	4.2	J	5.0	0.77	ug/L		11/30/14 08:32	12/01/14 14:44	1
Lead	10	U	10	1.2	ug/L		11/30/14 08:32	12/01/14 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	25		2.0	2.0	mg/L			11/26/14 08:46	1
pH	8.84	HF	0.100	0.100	SU			11/26/14 09:44	1

Client Sample ID: WS-18036-112414-008

Lab Sample ID: 180-39250-8

Date Collected: 11/24/14 15:15

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/05/14 09:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 09:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 09:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 09:02	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/05/14 09:02	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 09:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 09:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 09:02	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 09:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 09:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 09:02	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 09:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 09:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 09:02	1
2-Butanone (MEK)	2.3	J	5.0	0.55	ug/L			12/05/14 09:02	1
2-Hexanone	5.0	U *	5.0	0.16	ug/L			12/05/14 09:02	1
4-Methyl-2-pentanone (MIBK)	1.9	J	5.0	0.53	ug/L			12/05/14 09:02	1
Acetone	26		5.0	2.5	ug/L			12/05/14 09:02	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 09:02	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 09:02	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 09:02	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 09:02	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 09:02	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 09:02	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 09:02	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 09:02	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/05/14 09:02	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 09:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/05/14 09:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 09:02	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 09:02	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 09:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 09:02	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 09:02	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 09:02	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-008

Lab Sample ID: 180-39250-8

Date Collected: 11/24/14 15:15

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 09:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 09:02	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 09:02	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/05/14 09:02	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 09:02	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/05/14 09:02	1
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 09:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/05/14 09:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 09:02	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/05/14 09:02	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 09:02	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/05/14 09:02	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 135		12/05/14 09:02	1
4-Bromofluorobenzene (Surr)	100		62 - 123		12/05/14 09:02	1
Toluene-d8 (Surr)	107		71 - 118		12/05/14 09:02	1
Dibromofluoromethane (Surr)	99		64 - 128		12/05/14 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.31	J	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 14:50	1
Chromium	13		5.0	0.77	ug/L		11/30/14 08:32	12/01/14 14:50	1
Lead	43		10	1.2	ug/L		11/30/14 08:32	12/01/14 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	150		2.0	2.0	mg/L			11/26/14 08:46	1
pH	8.05	HF	0.100	0.100	SU			11/26/14 09:47	1

Client Sample ID: WS-18036-112414-009

Lab Sample ID: 180-39250-9

Date Collected: 11/24/14 15:15

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/05/14 09:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 09:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 09:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 09:49	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/05/14 09:49	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 09:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 09:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 09:49	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 09:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 09:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 09:49	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 09:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 09:49	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-009

Lab Sample ID: 180-39250-9

Date Collected: 11/24/14 15:15

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 09:49	1
2-Butanone (MEK)	2.2	J	5.0	0.55	ug/L			12/05/14 09:49	1
2-Hexanone	5.0	U *	5.0	0.16	ug/L			12/05/14 09:49	1
4-Methyl-2-pentanone (MIBK)	1.8	J	5.0	0.53	ug/L			12/05/14 09:49	1
Acetone	25		5.0	2.5	ug/L			12/05/14 09:49	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 09:49	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 09:49	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 09:49	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 09:49	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 09:49	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 09:49	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 09:49	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 09:49	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/05/14 09:49	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 09:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/05/14 09:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 09:49	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 09:49	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 09:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 09:49	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 09:49	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 09:49	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 09:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 09:49	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 09:49	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/05/14 09:49	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 09:49	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/05/14 09:49	1
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 09:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/05/14 09:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 09:49	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/05/14 09:49	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 09:49	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/05/14 09:49	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 09:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		12/05/14 09:49	1
4-Bromofluorobenzene (Surr)	97		62 - 123		12/05/14 09:49	1
Toluene-d8 (Surr)	107		71 - 118		12/05/14 09:49	1
Dibromofluoromethane (Surr)	101		64 - 128		12/05/14 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.20	J	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 14:55	1
Chromium	15		5.0	0.77	ug/L		11/30/14 08:32	12/01/14 14:55	1
Lead	48		10	1.2	ug/L		11/30/14 08:32	12/01/14 14:55	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-009

Lab Sample ID: 180-39250-9

Date Collected: 11/24/14 15:15

Matrix: Water

Date Received: 11/25/14 09:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	160		2.0	2.0	mg/L			11/26/14 08:46	1
pH	8.01	HF	0.100	0.100	SU			11/26/14 09:59	1

Client Sample ID: WS-18036-112414-010

Lab Sample ID: 180-39250-10

Date Collected: 11/24/14 15:45

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/05/14 10:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 10:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 10:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 10:14	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/05/14 10:14	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 10:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 10:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 10:14	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 10:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 10:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 10:14	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 10:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 10:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 10:14	1
2-Butanone (MEK)	2.2	J	5.0	0.55	ug/L			12/05/14 10:14	1
2-Hexanone	5.0	U *	5.0	0.16	ug/L			12/05/14 10:14	1
4-Methyl-2-pentanone (MIBK)	2.8	J	5.0	0.53	ug/L			12/05/14 10:14	1
Acetone	27		5.0	2.5	ug/L			12/05/14 10:14	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 10:14	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 10:14	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 10:14	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 10:14	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 10:14	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 10:14	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 10:14	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 10:14	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/05/14 10:14	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 10:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/05/14 10:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 10:14	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 10:14	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 10:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 10:14	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 10:14	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 10:14	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 10:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 10:14	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 10:14	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/05/14 10:14	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 10:14	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/05/14 10:14	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-010

Lab Sample ID: 180-39250-10

Date Collected: 11/24/14 15:45

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 10:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/05/14 10:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 10:14	1
Trichloroethene	1.8		1.0	0.14	ug/L			12/05/14 10:14	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 10:14	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/05/14 10:14	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 10:14	1

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135				12/05/14 10:14	1
4-Bromofluorobenzene (Surr)	100		62 - 123				12/05/14 10:14	1
Toluene-d8 (Surr)	112		71 - 118				12/05/14 10:14	1
Dibromofluoromethane (Surr)	99		64 - 128				12/05/14 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.50	J	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 15:00	1
Chromium	21		5.0	0.77	ug/L		11/30/14 08:32	12/01/14 15:00	1
Lead	25		10	1.2	ug/L		11/30/14 08:32	12/01/14 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	260		2.0	2.0	mg/L			11/26/14 08:46	1
pH	7.84	HF	0.100	0.100	SU			11/26/14 10:01	1

Client Sample ID: WS-18036-112414-011

Lab Sample ID: 180-39250-11

Date Collected: 11/24/14 16:15

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/06/14 02:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/06/14 02:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/06/14 02:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/06/14 02:10	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/06/14 02:10	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/06/14 02:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/06/14 02:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/06/14 02:10	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/06/14 02:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/06/14 02:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/06/14 02:10	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/06/14 02:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/06/14 02:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/06/14 02:10	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/06/14 02:10	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/06/14 02:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/06/14 02:10	1
Acetone	9.0		5.0	2.5	ug/L			12/06/14 02:10	1
Benzene	1.0	U	1.0	0.11	ug/L			12/06/14 02:10	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: WS-18036-112414-011

Lab Sample ID: 180-39250-11

Date Collected: 11/24/14 16:15

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.19	ug/L			12/06/14 02:10	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/06/14 02:10	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/06/14 02:10	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/06/14 02:10	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/06/14 02:10	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/06/14 02:10	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/06/14 02:10	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/06/14 02:10	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/06/14 02:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/06/14 02:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/06/14 02:10	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/06/14 02:10	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/06/14 02:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/06/14 02:10	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/06/14 02:10	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/06/14 02:10	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/06/14 02:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/06/14 02:10	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/06/14 02:10	1
Methylene Chloride	0.94	J B	1.0	0.15	ug/L			12/06/14 02:10	1
Styrene	1.0	U	1.0	0.097	ug/L			12/06/14 02:10	1
Tetrachloroethene	0.25	J	1.0	0.15	ug/L			12/06/14 02:10	1
Toluene	1.0	U	1.0	0.15	ug/L			12/06/14 02:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/06/14 02:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/06/14 02:10	1
Trichloroethene	0.22	J	1.0	0.14	ug/L			12/06/14 02:10	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/06/14 02:10	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/06/14 02:10	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/06/14 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135		12/06/14 02:10	1
4-Bromofluorobenzene (Surr)	96		62 - 123		12/06/14 02:10	1
Toluene-d8 (Surr)	102		71 - 118		12/06/14 02:10	1
Dibromofluoromethane (Surr)	104		64 - 128		12/06/14 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.54	J	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 15:05	1
Chromium	3.8	J	5.0	0.77	ug/L		11/30/14 08:32	12/01/14 15:05	1
Lead	3.1	J	10	1.2	ug/L		11/30/14 08:32	12/01/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	46		2.0	2.0	mg/L			11/26/14 08:46	1
pH	7.64	HF	0.100	0.100	SU			11/26/14 10:04	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: TB-18036-112414-01

Lab Sample ID: 180-39250-12

Date Collected: 11/24/14 00:00

Matrix: Water

Date Received: 11/25/14 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/04/14 14:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/04/14 14:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 14:17	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/04/14 14:17	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/04/14 14:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/04/14 14:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/04/14 14:17	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/04/14 14:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/04/14 14:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 14:17	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/04/14 14:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/04/14 14:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/04/14 14:17	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/04/14 14:17	1
2-Hexanone	5.0	U *	5.0	0.16	ug/L			12/04/14 14:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/04/14 14:17	1
Acetone	5.0	U	5.0	2.5	ug/L			12/04/14 14:17	1
Benzene	1.0	U	1.0	0.11	ug/L			12/04/14 14:17	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/04/14 14:17	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/04/14 14:17	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/04/14 14:17	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/04/14 14:17	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/04/14 14:17	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/04/14 14:17	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 14:17	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/04/14 14:17	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/04/14 14:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/04/14 14:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/04/14 14:17	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/04/14 14:17	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/04/14 14:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/04/14 14:17	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/04/14 14:17	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/04/14 14:17	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/04/14 14:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/04/14 14:17	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/04/14 14:17	1
Methylene Chloride	0.15	J	1.0	0.15	ug/L			12/04/14 14:17	1
Styrene	1.0	U	1.0	0.097	ug/L			12/04/14 14:17	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/04/14 14:17	1
Toluene	1.0	U	1.0	0.15	ug/L			12/04/14 14:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/04/14 14:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/04/14 14:17	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/04/14 14:17	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/04/14 14:17	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/04/14 14:17	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/04/14 14:17	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Client Sample ID: TB-18036-112414-01

Lab Sample ID: 180-39250-12

Date Collected: 11/24/14 00:00

Matrix: Water

Date Received: 11/25/14 09:40

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		12/04/14 14:17	1
4-Bromofluorobenzene (Surr)	96		62 - 123		12/04/14 14:17	1
Toluene-d8 (Surr)	104		71 - 118		12/04/14 14:17	1
Dibromofluoromethane (Surr)	96		64 - 128		12/04/14 14:17	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: MB 180-127175/35

Matrix: Water

Analysis Batch: 127175

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/04/14 21:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 21:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/04/14 21:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 21:56	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/04/14 21:56	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/04/14 21:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/04/14 21:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/04/14 21:56	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/04/14 21:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/04/14 21:56	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 21:56	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/04/14 21:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/04/14 21:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/04/14 21:56	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/04/14 21:56	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/04/14 21:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/04/14 21:56	1
Acetone	5.0	U	5.0	2.5	ug/L			12/04/14 21:56	1
Benzene	1.0	U	1.0	0.11	ug/L			12/04/14 21:56	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/04/14 21:56	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/04/14 21:56	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/04/14 21:56	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/04/14 21:56	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/04/14 21:56	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/04/14 21:56	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 21:56	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/04/14 21:56	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/04/14 21:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/04/14 21:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/04/14 21:56	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/04/14 21:56	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/04/14 21:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/04/14 21:56	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/04/14 21:56	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/04/14 21:56	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/04/14 21:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/04/14 21:56	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/04/14 21:56	1
Methylene Chloride	0.222	J	1.0	0.15	ug/L			12/04/14 21:56	1
Styrene	1.0	U	1.0	0.097	ug/L			12/04/14 21:56	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/04/14 21:56	1
Toluene	1.0	U	1.0	0.15	ug/L			12/04/14 21:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/04/14 21:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/04/14 21:56	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/04/14 21:56	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/04/14 21:56	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/04/14 21:56	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/04/14 21:56	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		12/04/14 21:56	1
4-Bromofluorobenzene (Surr)	94		62 - 123		12/04/14 21:56	1
Toluene-d8 (Surr)	103		71 - 118		12/04/14 21:56	1
Dibromofluoromethane (Surr)	104		64 - 128		12/04/14 21:56	1

Lab Sample ID: MB 180-127175/7
Matrix: Water
Analysis Batch: 127175

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/04/14 10:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 10:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/04/14 10:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 10:41	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/04/14 10:41	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/04/14 10:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/04/14 10:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/04/14 10:41	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/04/14 10:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/04/14 10:41	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 10:41	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/04/14 10:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/04/14 10:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/04/14 10:41	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/04/14 10:41	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/04/14 10:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/04/14 10:41	1
Acetone	5.0	U	5.0	2.5	ug/L			12/04/14 10:41	1
Benzene	1.0	U	1.0	0.11	ug/L			12/04/14 10:41	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/04/14 10:41	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/04/14 10:41	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/04/14 10:41	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/04/14 10:41	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/04/14 10:41	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/04/14 10:41	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 10:41	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/04/14 10:41	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/04/14 10:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/04/14 10:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/04/14 10:41	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/04/14 10:41	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/04/14 10:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/04/14 10:41	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/04/14 10:41	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/04/14 10:41	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/04/14 10:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/04/14 10:41	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/04/14 10:41	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/04/14 10:41	1
Styrene	1.0	U	1.0	0.097	ug/L			12/04/14 10:41	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/04/14 10:41	1
Toluene	1.0	U	1.0	0.15	ug/L			12/04/14 10:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/04/14 10:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/04/14 10:41	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: MB 180-127175/7

Matrix: Water

Analysis Batch: 127175

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/04/14 10:41	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/04/14 10:41	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/04/14 10:41	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/04/14 10:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135		12/04/14 10:41	1
4-Bromofluorobenzene (Surr)	95		62 - 123		12/04/14 10:41	1
Toluene-d8 (Surr)	103		71 - 118		12/04/14 10:41	1
Dibromofluoromethane (Surr)	98		64 - 128		12/04/14 10:41	1

Lab Sample ID: LCS 180-127175/1002

Matrix: Water

Analysis Batch: 127175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	9.43		ug/L		94	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.1		ug/L		101	46 - 148
1,1,2-Trichloroethane	10.0	10.1		ug/L		101	71 - 129
1,1-Dichloroethane	10.0	9.46		ug/L		95	72 - 128
1,1-Dichloroethene	10.0	9.57		ug/L		96	60 - 130
1,2,4-Trichlorobenzene	10.0	10.6		ug/L		106	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	8.66		ug/L		87	37 - 133
1,2-Dibromoethane (EDB)	10.0	9.85		ug/L		98	74 - 123
1,2-Dichlorobenzene	10.0	10.3		ug/L		103	68 - 127
1,2-Dichloroethane	10.0	8.20		ug/L		82	68 - 132
1,2-Dichloropropane	10.0	9.66		ug/L		97	50 - 150
1,3-Dichlorobenzene	10.0	10.0		ug/L		100	73 - 127
1,4-Dichlorobenzene	10.0	10.0		ug/L		100	65 - 127
2-Butanone (MEK)	20.0	19.4		ug/L		97	39 - 138
2-Hexanone	20.0	18.2		ug/L		91	25 - 132
4-Methyl-2-pentanone (MIBK)	20.0	16.7		ug/L		83	60 - 135
Acetone	20.0	22.0		ug/L		110	22 - 150
Benzene	10.0	10.3		ug/L		103	71 - 129
Bromoform	10.0	8.00		ug/L		80	56 - 139
Bromomethane	10.0	6.13		ug/L		61	40 - 146
Carbon disulfide	10.0	6.85		ug/L		68	52 - 138
Carbon tetrachloride	10.0	10.2		ug/L		102	70 - 140
Chlorobenzene	10.0	10.6		ug/L		106	73 - 125
Chlorodibromomethane	10.0	8.53		ug/L		85	67 - 133
Chloroethane	10.0	9.51		ug/L		95	47 - 143
Chloroform	10.0	9.24		ug/L		92	67 - 133
Chloromethane	10.0	10.8		ug/L		108	51 - 137
cis-1,2-Dichloroethene	10.0	9.49		ug/L		95	69 - 127
cis-1,3-Dichloropropene	10.0	8.62		ug/L		86	50 - 140
Cyclohexane	10.0	9.63		ug/L		96	45 - 142

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: LCS 180-127175/1002

Matrix: Water

Analysis Batch: 127175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	10.0	8.20		ug/L		82	65 - 135
Dichlorodifluoromethane	10.0	9.67		ug/L		97	38 - 145
Ethylbenzene	10.0	10.5		ug/L		105	65 - 133
Isopropylbenzene	10.0	10.4		ug/L		104	58 - 130
Methyl acetate	50.0	44.2		ug/L		88	47 - 142
Methyl tert-butyl ether	10.0	8.27		ug/L		83	50 - 150
Methylcyclohexane	10.0	9.72		ug/L		97	45 - 145
Methylene Chloride	10.0	9.18		ug/L		92	60 - 140
Styrene	10.0	10.2		ug/L		102	70 - 130
Tetrachloroethene	10.0	10.5		ug/L		105	73 - 127
Toluene	10.0	10.6		ug/L		106	74 - 126
trans-1,2-Dichloroethene	10.0	9.98		ug/L		100	69 - 131
trans-1,3-Dichloropropene	10.0	9.06		ug/L		91	64 - 134
Trichloroethene	10.0	9.53		ug/L		95	73 - 125
Trichlorofluoromethane	10.0	9.56		ug/L		96	56 - 141
Vinyl chloride	10.0	11.0		ug/L		110	30 - 140
Xylenes, Total	20.0	20.6		ug/L		103	53 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	107		71 - 118
Dibromofluoromethane (Surr)	84		64 - 128

Lab Sample ID: 180-39315-A-3 MSD

Matrix: Water

Analysis Batch: 127175

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	10.0	9.70		ug/L		97	75 - 125	1	25
1,1,2,2-Tetrachloroethane	1.0	U	10.0	10.6		ug/L		106	60 - 140	2	25
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	9.61		ug/L		96	46 - 148	2	35
1,1,2-Trichloroethane	1.0	U	10.0	10.3		ug/L		103	71 - 129	4	25
1,1-Dichloroethane	1.0	U	10.0	9.91		ug/L		99	72 - 128	0	25
1,1-Dichloroethene	1.0	U	10.0	9.71		ug/L		97	60 - 130	5	25
1,2,4-Trichlorobenzene	1.0	U	10.0	11.0		ug/L		110	55 - 140	10	35
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	10.1		ug/L		101	37 - 133	8	35
1,2-Dibromoethane (EDB)	1.0	U	10.0	10.2		ug/L		102	74 - 123	1	35
1,2-Dichlorobenzene	1.0	U	10.0	10.9		ug/L		109	68 - 127	5	35
1,2-Dichloroethane	1.0	U	10.0	8.70		ug/L		87	68 - 132	1	25
1,2-Dichloropropane	1.0	U	10.0	10.3		ug/L		103	50 - 150	3	35
1,3-Dichlorobenzene	1.0	U	10.0	10.1		ug/L		101	73 - 127	3	35
1,4-Dichlorobenzene	1.0	U	10.0	10.5		ug/L		105	65 - 127	5	35
2-Butanone (MEK)	5.0	U	10.0	10.1		ug/L		101	39 - 138	12	35
2-Hexanone	5.0	U	10.0	7.87		ug/L		79	25 - 132	12	35
4-Methyl-2-pentanone (MIBK)	5.0	U	10.0	8.33		ug/L		83	60 - 135	5	30
Acetone	5.0	U	10.0	11.3		ug/L		113	22 - 150	6	35

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: 180-39315-A-3 MSD

Matrix: Water

Analysis Batch: 127175

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	1.0	U	10.0	10.6		ug/L		106	71 - 129	2	25
Bromoform	1.0	U	10.0	8.15		ug/L		81	56 - 139	5	35
Bromomethane	1.0	U	10.0	6.30		ug/L		63	40 - 146	1	35
Carbon disulfide	1.0	U	10.0	6.74		ug/L		67	52 - 138	0	35
Carbon tetrachloride	1.0	U	10.0	11.1		ug/L		111	70 - 140	3	25
Chlorobenzene	1.0	U	10.0	10.5		ug/L		105	73 - 125	2	25
Chlorodibromomethane	1.0	U	10.0	8.87		ug/L		89	67 - 133	3	25
Chloroethane	1.0	U	10.0	9.94		ug/L		99	47 - 143	1	35
Chloroform	1.0	U	10.0	9.78		ug/L		98	67 - 133	4	25
Chloromethane	1.0	U	10.0	9.79		ug/L		98	51 - 137	4	35
cis-1,2-Dichloroethene	1.0	U	10.0	9.87		ug/L		99	69 - 127	1	20
cis-1,3-Dichloropropene	1.0	U	10.0	9.53		ug/L		95	50 - 140	7	35
Cyclohexane	1.0	U	10.0	9.66		ug/L		97	45 - 142	2	35
Dichlorobromomethane	1.0	U	10.0	8.80		ug/L		88	65 - 135	5	25
Dichlorodifluoromethane	1.0	U	10.0	8.14		ug/L		81	38 - 145	0	35
Ethylbenzene	1.0	U	10.0	10.4		ug/L		104	65 - 133	0	25
Isopropylbenzene	1.0	U	10.0	10.3		ug/L		103	58 - 130	2	35
Methyl acetate	1.0	U	50.0	50.2		ug/L		100	47 - 142	7	35
Methyl tert-butyl ether	1.0	U	10.0	9.29		ug/L		93	50 - 150	6	50
Methylcyclohexane	1.0	U	10.0	10.2		ug/L		102	45 - 145	3	35
Methylene Chloride	0.16	J	10.0	9.39		ug/L		92	60 - 140	5	25
Styrene	1.0	U	10.0	9.93		ug/L		99	70 - 130	2	30
Tetrachloroethene	1.0	U	10.0	10.7		ug/L		107	73 - 127	1	25
Toluene	1.0	U	10.0	10.5		ug/L		105	74 - 126	2	25
trans-1,2-Dichloroethene	1.0	U	10.0	10.3		ug/L		103	69 - 131	1	25
trans-1,3-Dichloropropene	1.0	U	10.0	10.4		ug/L		104	64 - 134	2	33
Trichloroethene	1.0	U	10.0	10.0		ug/L		100	73 - 125	1	25
Trichlorofluoromethane	1.0	U	10.0	8.30		ug/L		83	56 - 141	2	35
Vinyl chloride	1.0	U	10.0	10.3		ug/L		103	30 - 140	1	35
Xylenes, Total	3.0	U	20.0	20.3		ug/L		102	53 - 140	2	25

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	107		71 - 118
Dibromofluoromethane (Surr)	96		64 - 128

Lab Sample ID: 180-39315-C-3 MS

Matrix: Water

Analysis Batch: 127175

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
1,1,1-Trichloroethane	1.0	U	10.0	9.83		ug/L		98	75 - 125
1,1,2,2-Tetrachloroethane	1.0	U	10.0	10.8		ug/L		108	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	9.82		ug/L		98	46 - 148
1,1,2-Trichloroethane	1.0	U	10.0	10.7		ug/L		107	71 - 129
1,1-Dichloroethane	1.0	U	10.0	9.91		ug/L		99	72 - 128

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: 180-39315-C-3 MS

Matrix: Water

Analysis Batch: 127175

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
1,1-Dichloroethene	1.0	U	10.0	9.26		ug/L		93	60 - 130
1,2,4-Trichlorobenzene	1.0	U	10.0	9.95		ug/L		100	55 - 140
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	9.29		ug/L		93	37 - 133
1,2-Dibromoethane (EDB)	1.0	U	10.0	10.1		ug/L		101	74 - 123
1,2-Dichlorobenzene	1.0	U	10.0	10.3		ug/L		103	68 - 127
1,2-Dichloroethane	1.0	U	10.0	8.61		ug/L		86	68 - 132
1,2-Dichloropropane	1.0	U	10.0	10.0		ug/L		100	50 - 150
1,3-Dichlorobenzene	1.0	U	10.0	9.76		ug/L		98	73 - 127
1,4-Dichlorobenzene	1.0	U	10.0	10.0		ug/L		100	65 - 127
2-Butanone (MEK)	5.0	U	10.0	8.94		ug/L		89	39 - 138
2-Hexanone	5.0	U	10.0	6.99		ug/L		70	25 - 132
4-Methyl-2-pentanone (MIBK)	5.0	U	10.0	7.92		ug/L		79	60 - 135
Acetone	5.0	U	10.0	10.6		ug/L		106	22 - 150
Benzene	1.0	U	10.0	10.4		ug/L		104	71 - 129
Bromoform	1.0	U	10.0	8.53		ug/L		85	56 - 139
Bromomethane	1.0	U	10.0	6.24		ug/L		62	40 - 146
Carbon disulfide	1.0	U	10.0	6.77		ug/L		68	52 - 138
Carbon tetrachloride	1.0	U	10.0	10.8		ug/L		108	70 - 140
Chlorobenzene	1.0	U	10.0	10.8		ug/L		108	73 - 125
Chlorodibromomethane	1.0	U	10.0	9.14		ug/L		91	67 - 133
Chloroethane	1.0	U	10.0	9.82		ug/L		98	47 - 143
Chloroform	1.0	U	10.0	9.40		ug/L		94	67 - 133
Chloromethane	1.0	U	10.0	9.43		ug/L		94	51 - 137
cis-1,2-Dichloroethene	1.0	U	10.0	9.81		ug/L		98	69 - 127
cis-1,3-Dichloropropene	1.0	U	10.0	8.90		ug/L		89	50 - 140
Cyclohexane	1.0	U	10.0	9.43		ug/L		94	45 - 142
Dichlorobromomethane	1.0	U	10.0	8.38		ug/L		84	65 - 135
Dichlorodifluoromethane	1.0	U	10.0	8.11		ug/L		81	38 - 145
Ethylbenzene	1.0	U	10.0	10.3		ug/L		103	65 - 133
Isopropylbenzene	1.0	U	10.0	10.6		ug/L		106	58 - 130
Methyl acetate	1.0	U	50.0	46.9		ug/L		94	47 - 142
Methyl tert-butyl ether	1.0	U	10.0	8.74		ug/L		87	50 - 150
Methylcyclohexane	1.0	U	10.0	9.89		ug/L		99	45 - 145
Methylene Chloride	0.16	J	10.0	8.97		ug/L		88	60 - 140
Styrene	1.0	U	10.0	10.1		ug/L		101	70 - 130
Tetrachloroethene	1.0	U	10.0	10.6		ug/L		106	73 - 127
Toluene	1.0	U	10.0	10.7		ug/L		107	74 - 126
trans-1,2-Dichloroethene	1.0	U	10.0	10.2		ug/L		102	69 - 131
trans-1,3-Dichloropropene	1.0	U	10.0	10.7		ug/L		107	64 - 134
Trichloroethene	1.0	U	10.0	9.89		ug/L		99	73 - 125
Trichlorofluoromethane	1.0	U	10.0	8.49		ug/L		85	56 - 141
Vinyl chloride	1.0	U	10.0	10.3		ug/L		103	30 - 140
Xylenes, Total	3.0	U	20.0	20.7		ug/L		104	53 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		58 - 135
4-Bromofluorobenzene (Surr)	97		62 - 123
Toluene-d8 (Surr)	108		71 - 118

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: 180-39315-C-3 MS
Matrix: Water
Analysis Batch: 127175

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	96		64 - 128

Lab Sample ID: MB 180-127185/34
Matrix: Water
Analysis Batch: 127185

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/05/14 07:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 07:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 07:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 07:50	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/05/14 07:50	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 07:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 07:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 07:50	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 07:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 07:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 07:50	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 07:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 07:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 07:50	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/05/14 07:50	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/05/14 07:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/05/14 07:50	1
Acetone	5.0	U	5.0	2.5	ug/L			12/05/14 07:50	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 07:50	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 07:50	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 07:50	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 07:50	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 07:50	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 07:50	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 07:50	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 07:50	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/05/14 07:50	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 07:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/05/14 07:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 07:50	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 07:50	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 07:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 07:50	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 07:50	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 07:50	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 07:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 07:50	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 07:50	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/05/14 07:50	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 07:50	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/05/14 07:50	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: MB 180-127185/34
Matrix: Water
Analysis Batch: 127185

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 07:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/05/14 07:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 07:50	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/05/14 07:50	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 07:50	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/05/14 07:50	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 07:50	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		58 - 135		12/05/14 07:50	1
4-Bromofluorobenzene (Surr)	96		62 - 123		12/05/14 07:50	1
Toluene-d8 (Surr)	104		71 - 118		12/05/14 07:50	1
Dibromofluoromethane (Surr)	104		64 - 128		12/05/14 07:50	1

Lab Sample ID: MB 180-127185/9
Matrix: Water
Analysis Batch: 127185

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/04/14 13:09	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 13:09	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/04/14 13:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/04/14 13:09	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/04/14 13:09	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/04/14 13:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/04/14 13:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/04/14 13:09	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/04/14 13:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/04/14 13:09	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 13:09	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/04/14 13:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/04/14 13:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/04/14 13:09	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/04/14 13:09	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/04/14 13:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/04/14 13:09	1
Acetone	5.0	U	5.0	2.5	ug/L			12/04/14 13:09	1
Benzene	1.0	U	1.0	0.11	ug/L			12/04/14 13:09	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/04/14 13:09	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/04/14 13:09	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/04/14 13:09	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/04/14 13:09	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/04/14 13:09	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/04/14 13:09	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/04/14 13:09	1
Chloroform	1.0	U	1.0	0.17	ug/L			12/04/14 13:09	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/04/14 13:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/04/14 13:09	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: MB 180-127185/9

Matrix: Water

Analysis Batch: 127185

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/04/14 13:09	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/04/14 13:09	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/04/14 13:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/04/14 13:09	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/04/14 13:09	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/04/14 13:09	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/04/14 13:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/04/14 13:09	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/04/14 13:09	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/04/14 13:09	1
Styrene	1.0	U	1.0	0.097	ug/L			12/04/14 13:09	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/04/14 13:09	1
Toluene	1.0	U	1.0	0.15	ug/L			12/04/14 13:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/04/14 13:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/04/14 13:09	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/04/14 13:09	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/04/14 13:09	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/04/14 13:09	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/04/14 13:09	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		12/04/14 13:09	1
4-Bromofluorobenzene (Surr)	100		62 - 123		12/04/14 13:09	1
Toluene-d8 (Surr)	108		71 - 118		12/04/14 13:09	1
Dibromofluoromethane (Surr)	96		64 - 128		12/04/14 13:09	1

Lab Sample ID: LCS 180-127185/1007

Matrix: Water

Analysis Batch: 127185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	10.9		ug/L		109	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.06		ug/L		91	46 - 148
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	71 - 129
1,1-Dichloroethane	10.0	9.68		ug/L		97	72 - 128
1,1-Dichloroethene	10.0	9.45		ug/L		95	60 - 130
1,2,4-Trichlorobenzene	10.0	8.96		ug/L		90	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	10.0		ug/L		100	37 - 133
1,2-Dibromoethane (EDB)	10.0	10.2		ug/L		102	74 - 123
1,2-Dichlorobenzene	10.0	9.86		ug/L		99	68 - 127
1,2-Dichloroethane	10.0	9.55		ug/L		96	68 - 132
1,2-Dichloropropane	10.0	9.66		ug/L		97	50 - 150
1,3-Dichlorobenzene	10.0	9.76		ug/L		98	73 - 127
1,4-Dichlorobenzene	10.0	10.0		ug/L		100	65 - 127
2-Butanone (MEK)	20.0	25.0		ug/L		125	39 - 138
2-Hexanone	20.0	27.5	*	ug/L		138	25 - 132

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: LCS 180-127185/1007

Matrix: Water

Analysis Batch: 127185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	20.0	20.8		ug/L		104	60 - 135
Acetone	20.0	23.3		ug/L		117	22 - 150
Benzene	10.0	9.50		ug/L		95	71 - 129
Bromoform	10.0	10.5		ug/L		105	56 - 139
Bromomethane	10.0	7.72		ug/L		77	40 - 146
Carbon disulfide	10.0	7.69		ug/L		77	52 - 138
Carbon tetrachloride	10.0	9.00		ug/L		90	70 - 140
Chlorobenzene	10.0	9.63		ug/L		96	73 - 125
Chlorodibromomethane	10.0	9.95		ug/L		100	67 - 133
Chloroethane	10.0	10.0		ug/L		100	47 - 143
Chloroform	10.0	9.30		ug/L		93	67 - 133
Chloromethane	10.0	11.9		ug/L		119	51 - 137
cis-1,2-Dichloroethene	10.0	9.95		ug/L		99	69 - 127
cis-1,3-Dichloropropene	10.0	9.33		ug/L		93	50 - 140
Cyclohexane	10.0	10.1		ug/L		101	45 - 142
Dichlorobromomethane	10.0	9.07		ug/L		91	65 - 135
Dichlorodifluoromethane	10.0	8.49		ug/L		85	38 - 145
Ethylbenzene	10.0	9.20		ug/L		92	65 - 133
Isopropylbenzene	10.0	9.18		ug/L		92	58 - 130
Methyl acetate	50.0	65.0		ug/L		130	47 - 142
Methyl tert-butyl ether	10.0	8.83		ug/L		88	50 - 150
Methylcyclohexane	10.0	9.26		ug/L		93	45 - 145
Methylene Chloride	10.0	9.04		ug/L		90	60 - 140
Styrene	10.0	9.13		ug/L		91	70 - 130
Tetrachloroethene	10.0	9.58		ug/L		96	73 - 127
Toluene	10.0	8.87		ug/L		89	74 - 126
trans-1,2-Dichloroethene	10.0	9.81		ug/L		98	69 - 131
trans-1,3-Dichloropropene	10.0	9.64		ug/L		96	64 - 134
Trichloroethene	10.0	9.57		ug/L		96	73 - 125
Trichlorofluoromethane	10.0	8.89		ug/L		89	56 - 141
Vinyl chloride	10.0	11.5		ug/L		115	30 - 140
Xylenes, Total	20.0	18.2		ug/L		91	53 - 140

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	97		58 - 135
4-Bromofluorobenzene (Surr)	96		62 - 123
Toluene-d8 (Surr)	100		71 - 118
Dibromofluoromethane (Surr)	96		64 - 128

Lab Sample ID: 180-39250-5 MS

Matrix: Water

Analysis Batch: 127185

Client Sample ID: WS-18036-112414-005

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	10.0	9.26		ug/L		93	75 - 125
1,1,2,2-Tetrachloroethane	1.0	U	10.0	11.2		ug/L		112	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	9.87		ug/L		99	46 - 148

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: 180-39250-5 MS

Client Sample ID: WS-18036-112414-005

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 127185

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,2-Trichloroethane	1.0	U	10.0	10.3		ug/L		103	71 - 129
1,1-Dichloroethane	1.0	U	10.0	10.3		ug/L		103	72 - 128
1,1-Dichloroethene	1.0	U	10.0	10.9		ug/L		109	60 - 130
1,2,4-Trichlorobenzene	1.0	U	10.0	9.61		ug/L		96	55 - 140
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	10.4		ug/L		104	37 - 133
1,2-Dibromoethane (EDB)	1.0	U	10.0	10.7		ug/L		107	74 - 123
1,2-Dichlorobenzene	1.0	U	10.0	10.5		ug/L		105	68 - 127
1,2-Dichloroethane	1.0	U	10.0	9.78		ug/L		98	68 - 132
1,2-Dichloropropane	1.0	U	10.0	9.96		ug/L		100	50 - 150
1,3-Dichlorobenzene	1.0	U	10.0	10.8		ug/L		108	73 - 127
1,4-Dichlorobenzene	1.0	U	10.0	10.5		ug/L		105	65 - 127
2-Butanone (MEK)	5.0	U F1	10.0	16.2	F1	ug/L		162	39 - 138
2-Hexanone	5.0	U * F1	10.0	13.7	F1	ug/L		137	25 - 132
4-Methyl-2-pentanone (MIBK)	5.0	U F1	10.0	13.1		ug/L		131	60 - 135
Acetone	13		10.0	25.0		ug/L		119	22 - 150
Benzene	1.0	U	10.0	9.92		ug/L		99	71 - 129
Bromoform	1.0	U	10.0	11.5		ug/L		115	56 - 139
Bromomethane	1.0	U	10.0	10.3		ug/L		103	40 - 146
Carbon disulfide	1.0	U	10.0	9.43		ug/L		94	52 - 138
Carbon tetrachloride	1.0	U	10.0	9.69		ug/L		97	70 - 140
Chlorobenzene	1.0	U	10.0	10.4		ug/L		104	73 - 125
Chlorodibromomethane	1.0	U	10.0	10.3		ug/L		103	67 - 133
Chloroethane	1.0	U	10.0	11.7		ug/L		117	47 - 143
Chloroform	0.48	J	10.0	10.1		ug/L		96	67 - 133
Chloromethane	1.0	U	10.0	13.7		ug/L		137	51 - 137
cis-1,2-Dichloroethene	18	F1	10.0	16.7	F1	ug/L		-13	69 - 127
cis-1,3-Dichloropropene	1.0	U	10.0	8.94		ug/L		89	50 - 140
Cyclohexane	1.0	U	10.0	11.3		ug/L		113	45 - 142
Dichlorobromomethane	1.0	U	10.0	9.66		ug/L		97	65 - 135
Dichlorodifluoromethane	1.0	U	10.0	10.8		ug/L		108	38 - 145
Ethylbenzene	1.0	U	10.0	9.70		ug/L		97	65 - 133
Isopropylbenzene	1.0	U	10.0	10.0		ug/L		100	58 - 130
Methyl acetate	1.0	U	50.0	67.4		ug/L		135	47 - 142
Methyl tert-butyl ether	1.0	U	10.0	9.06		ug/L		91	50 - 150
Methylcyclohexane	1.0	U	10.0	10.5		ug/L		105	45 - 145
Methylene Chloride	1.0	U	10.0	9.30		ug/L		93	60 - 140
Styrene	1.0	U	10.0	10.2		ug/L		102	70 - 130
Tetrachloroethene	6.3	F1	10.0	11.8	F1	ug/L		55	73 - 127
Toluene	1.0	U	10.0	9.72		ug/L		97	74 - 126
trans-1,2-Dichloroethene	0.17	J	10.0	10.4		ug/L		104	69 - 131
trans-1,3-Dichloropropene	1.0	U	10.0	9.43		ug/L		94	64 - 134
Trichloroethene	30	F1	10.0	21.6	F1	ug/L		-85	73 - 125
Trichlorofluoromethane	1.0	U	10.0	10.2		ug/L		102	56 - 141
Vinyl chloride	1.4		10.0	13.2		ug/L		119	30 - 140
Xylenes, Total	3.0	U	20.0	19.5		ug/L		98	53 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 135

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: 180-39250-5 MS

Matrix: Water

Analysis Batch: 127185

Client Sample ID: WS-18036-112414-005

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		62 - 123
Toluene-d8 (Surr)	105		71 - 118
Dibromofluoromethane (Surr)	99		64 - 128

Lab Sample ID: 180-39250-5 MSD

Matrix: Water

Analysis Batch: 127185

Client Sample ID: WS-18036-112414-005

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	10.0	9.20		ug/L		92	75 - 125	1	25
1,1,2,2-Tetrachloroethane	1.0	U	10.0	11.2		ug/L		112	60 - 140	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	9.81		ug/L		98	46 - 148	1	35
1,1,2-Trichloroethane	1.0	U	10.0	10.6		ug/L		106	71 - 129	3	25
1,1-Dichloroethane	1.0	U	10.0	10.1		ug/L		101	72 - 128	2	25
1,1-Dichloroethene	1.0	U	10.0	9.97		ug/L		100	60 - 130	9	25
1,2,4-Trichlorobenzene	1.0	U	10.0	8.87		ug/L		89	55 - 140	8	35
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	11.3		ug/L		113	37 - 133	9	35
1,2-Dibromoethane (EDB)	1.0	U	10.0	10.6		ug/L		106	74 - 123	1	35
1,2-Dichlorobenzene	1.0	U	10.0	10.3		ug/L		103	68 - 127	2	35
1,2-Dichloroethane	1.0	U	10.0	9.90		ug/L		99	68 - 132	1	25
1,2-Dichloropropane	1.0	U	10.0	10.2		ug/L		102	50 - 150	2	35
1,3-Dichlorobenzene	1.0	U	10.0	10.3		ug/L		103	73 - 127	5	35
1,4-Dichlorobenzene	1.0	U	10.0	10.2		ug/L		102	65 - 127	3	35
2-Butanone (MEK)	5.0	U F1	10.0	16.2	F1	ug/L		162	39 - 138	0	35
2-Hexanone	5.0	U * F1	10.0	14.0	F1	ug/L		140	25 - 132	2	35
4-Methyl-2-pentanone (MIBK)	5.0	U F1	10.0	13.6	F1	ug/L		136	60 - 135	4	30
Acetone	13		10.0	26.6		ug/L		134	22 - 150	6	35
Benzene	1.0	U	10.0	9.63		ug/L		96	71 - 129	3	25
Bromoform	1.0	U	10.0	10.5		ug/L		105	56 - 139	9	35
Bromomethane	1.0	U	10.0	11.2		ug/L		112	40 - 146	8	35
Carbon disulfide	1.0	U	10.0	8.77		ug/L		88	52 - 138	7	35
Carbon tetrachloride	1.0	U	10.0	9.54		ug/L		95	70 - 140	2	25
Chlorobenzene	1.0	U	10.0	10.1		ug/L		101	73 - 125	3	25
Chlorodibromomethane	1.0	U	10.0	9.94		ug/L		99	67 - 133	4	25
Chloroethane	1.0	U	10.0	11.4		ug/L		114	47 - 143	3	35
Chloroform	0.48	J	10.0	9.69		ug/L		92	67 - 133	4	25
Chloromethane	1.0	U	10.0	12.9		ug/L		129	51 - 137	6	35
cis-1,2-Dichloroethene	18	F1	10.0	20.2	F1	ug/L		22	69 - 127	19	20
cis-1,3-Dichloropropene	1.0	U	10.0	8.81		ug/L		88	50 - 140	2	35
Cyclohexane	1.0	U	10.0	11.2		ug/L		112	45 - 142	1	35
Dichlorobromomethane	1.0	U	10.0	9.27		ug/L		93	65 - 135	4	25
Dichlorodifluoromethane	1.0	U	10.0	10.3		ug/L		103	38 - 145	5	35
Ethylbenzene	1.0	U	10.0	9.37		ug/L		94	65 - 133	3	25
Isopropylbenzene	1.0	U	10.0	9.58		ug/L		96	58 - 130	5	35
Methyl acetate	1.0	U	50.0	65.4		ug/L		131	47 - 142	3	35
Methyl tert-butyl ether	1.0	U	10.0	9.29		ug/L		93	50 - 150	2	50
Methylcyclohexane	1.0	U	10.0	9.96		ug/L		100	45 - 145	5	35

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: 180-39250-5 MSD

Client Sample ID: WS-18036-112414-005

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 127185

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methylene Chloride	1.0	U	10.0	8.96		ug/L		90	60 - 140	4	25
Styrene	1.0	U	10.0	9.63		ug/L		96	70 - 130	5	30
Tetrachloroethene	6.3	F1	10.0	12.6	F1	ug/L		63	73 - 127	7	25
Toluene	1.0	U	10.0	9.36		ug/L		94	74 - 126	4	25
trans-1,2-Dichloroethene	0.17	J	10.0	10.1		ug/L		101	69 - 131	3	25
trans-1,3-Dichloropropene	1.0	U	10.0	9.10		ug/L		91	64 - 134	4	33
Trichloroethene	30	F1	10.0	27.0	F1	ug/L		-30	73 - 125	23	25
Trichlorofluoromethane	1.0	U	10.0	10.0		ug/L		100	56 - 141	2	35
Vinyl chloride	1.4		10.0	12.5		ug/L		111	30 - 140	6	35
Xylenes, Total	3.0	U	20.0	18.9		ug/L		94	53 - 140	3	25

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 135
4-Bromofluorobenzene (Surr)	99		62 - 123
Toluene-d8 (Surr)	102		71 - 118
Dibromofluoromethane (Surr)	96		64 - 128

Lab Sample ID: MB 180-127358/30

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 127358

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/05/14 22:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 22:32	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			12/05/14 22:32	1
1,1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/05/14 22:32	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			12/05/14 22:32	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			12/05/14 22:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			12/05/14 22:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			12/05/14 22:32	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			12/05/14 22:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/05/14 22:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 22:32	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			12/05/14 22:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			12/05/14 22:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/05/14 22:32	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			12/05/14 22:32	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			12/05/14 22:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			12/05/14 22:32	1
Acetone	5.0	U	5.0	2.5	ug/L			12/05/14 22:32	1
Benzene	1.0	U	1.0	0.11	ug/L			12/05/14 22:32	1
Bromoform	1.0	U	1.0	0.19	ug/L			12/05/14 22:32	1
Bromomethane	1.0	U	1.0	0.31	ug/L			12/05/14 22:32	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			12/05/14 22:32	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			12/05/14 22:32	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			12/05/14 22:32	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			12/05/14 22:32	1
Chloroethane	1.0	U	1.0	0.21	ug/L			12/05/14 22:32	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: MB 180-127358/30

Matrix: Water

Analysis Batch: 127358

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroform	1.0	U	1.0	0.17	ug/L			12/05/14 22:32	1
Chloromethane	1.0	U	1.0	0.28	ug/L			12/05/14 22:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/05/14 22:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			12/05/14 22:32	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			12/05/14 22:32	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			12/05/14 22:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			12/05/14 22:32	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			12/05/14 22:32	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			12/05/14 22:32	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			12/05/14 22:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			12/05/14 22:32	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			12/05/14 22:32	1
Methylene Chloride	0.354	J	1.0	0.15	ug/L			12/05/14 22:32	1
Styrene	1.0	U	1.0	0.097	ug/L			12/05/14 22:32	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/05/14 22:32	1
Toluene	1.0	U	1.0	0.15	ug/L			12/05/14 22:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			12/05/14 22:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			12/05/14 22:32	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/05/14 22:32	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			12/05/14 22:32	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/05/14 22:32	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			12/05/14 22:32	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		12/05/14 22:32	1
4-Bromofluorobenzene (Surr)	95		62 - 123		12/05/14 22:32	1
Toluene-d8 (Surr)	101		71 - 118		12/05/14 22:32	1
Dibromofluoromethane (Surr)	105		64 - 128		12/05/14 22:32	1

Lab Sample ID: LCS 180-127358/1005

Matrix: Water

Analysis Batch: 127358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	10.0	9.01		ug/L		90	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.6		ug/L		106	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.88		ug/L		99	46 - 148
1,1,2-Trichloroethane	10.0	10.6		ug/L		106	71 - 129
1,1-Dichloroethane	10.0	9.64		ug/L		96	72 - 128
1,1-Dichloroethene	10.0	9.79		ug/L		98	60 - 130
1,2,4-Trichlorobenzene	10.0	10.0		ug/L		100	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	9.68		ug/L		97	37 - 133
1,2-Dibromoethane (EDB)	10.0	10.1		ug/L		101	74 - 123
1,2-Dichlorobenzene	10.0	10.2		ug/L		102	68 - 127
1,2-Dichloroethane	10.0	8.27		ug/L		83	68 - 132
1,2-Dichloropropane	10.0	9.95		ug/L		100	50 - 150
1,3-Dichlorobenzene	10.0	9.86		ug/L		99	73 - 127

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: LCS 180-127358/1005

Matrix: Water

Analysis Batch: 127358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	10.0	10.0		ug/L		100	65 - 127
2-Butanone (MEK)	20.0	14.8		ug/L		74	39 - 138
2-Hexanone	20.0	14.6		ug/L		73	25 - 132
4-Methyl-2-pentanone (MIBK)	20.0	16.1		ug/L		81	60 - 135
Acetone	20.0	17.8		ug/L		89	22 - 150
Benzene	10.0	10.3		ug/L		103	71 - 129
Bromoform	10.0	8.82		ug/L		88	56 - 139
Bromomethane	10.0	6.27		ug/L		63	40 - 146
Carbon disulfide	10.0	7.59		ug/L		76	52 - 138
Carbon tetrachloride	10.0	10.3		ug/L		103	70 - 140
Chlorobenzene	10.0	10.4		ug/L		104	73 - 125
Chlorodibromomethane	10.0	9.20		ug/L		92	67 - 133
Chloroethane	10.0	9.15		ug/L		92	47 - 143
Chloroform	10.0	9.30		ug/L		93	67 - 133
Chloromethane	10.0	10.6		ug/L		106	51 - 137
cis-1,2-Dichloroethene	10.0	9.69		ug/L		97	69 - 127
cis-1,3-Dichloropropene	10.0	9.61		ug/L		96	50 - 140
Cyclohexane	10.0	9.73		ug/L		97	45 - 142
Dichlorobromomethane	10.0	8.94		ug/L		89	65 - 135
Dichlorodifluoromethane	10.0	8.95		ug/L		90	38 - 145
Ethylbenzene	10.0	10.0		ug/L		100	65 - 133
Isopropylbenzene	10.0	10.1		ug/L		101	58 - 130
Methyl acetate	50.0	49.4		ug/L		99	47 - 142
Methyl tert-butyl ether	10.0	8.65		ug/L		87	50 - 150
Methylcyclohexane	10.0	9.62		ug/L		96	45 - 145
Methylene Chloride	10.0	9.40		ug/L		94	60 - 140
Styrene	10.0	10.3		ug/L		103	70 - 130
Tetrachloroethene	10.0	10.2		ug/L		102	73 - 127
Toluene	10.0	10.5		ug/L		105	74 - 126
trans-1,2-Dichloroethene	10.0	9.88		ug/L		99	69 - 131
trans-1,3-Dichloropropene	10.0	9.76		ug/L		98	64 - 134
Trichloroethene	10.0	9.30		ug/L		93	73 - 125
Trichlorofluoromethane	10.0	7.59		ug/L		76	56 - 141
Vinyl chloride	10.0	10.6		ug/L		106	30 - 140
Xylenes, Total	20.0	20.3		ug/L		102	53 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		58 - 135
4-Bromofluorobenzene (Surr)	96		62 - 123
Toluene-d8 (Surr)	105		71 - 118
Dibromofluoromethane (Surr)	91		64 - 128

Lab Sample ID: LCSD 180-127358/11

Matrix: Water

Analysis Batch: 127358

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
1,1,1-Trichloroethane	10.0	8.96		ug/L		90	75 - 125	1	25

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: LCSD 180-127358/11

Matrix: Water

Analysis Batch: 127358

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
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	60 - 140	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.93		ug/L		99	46 - 148	0	35
1,1,2-Trichloroethane	10.0	9.87		ug/L		99	71 - 129	7	25
1,1-Dichloroethane	10.0	9.66		ug/L		97	72 - 128	0	25
1,1-Dichloroethene	10.0	10.0		ug/L		100	60 - 130	2	25
1,2,4-Trichlorobenzene	10.0	9.23		ug/L		92	55 - 140	8	35
1,2-Dibromo-3-Chloropropane	10.0	9.56		ug/L		96	37 - 133	1	35
1,2-Dibromoethane (EDB)	10.0	9.56		ug/L		96	74 - 123	5	35
1,2-Dichlorobenzene	10.0	9.85		ug/L		99	68 - 127	4	35
1,2-Dichloroethane	10.0	8.12		ug/L		81	68 - 132	2	25
1,2-Dichloropropane	10.0	9.60		ug/L		96	50 - 150	4	35
1,3-Dichlorobenzene	10.0	9.81		ug/L		98	73 - 127	1	35
1,4-Dichlorobenzene	10.0	9.68		ug/L		97	65 - 127	4	35
2-Butanone (MEK)	20.0	17.5		ug/L		87	39 - 138	17	35
2-Hexanone	20.0	14.2		ug/L		71	25 - 132	3	35
4-Methyl-2-pentanone (MIBK)	20.0	15.5		ug/L		77	60 - 135	4	30
Acetone	20.0	18.7		ug/L		93	22 - 150	5	35
Benzene	10.0	10.5		ug/L		105	71 - 129	2	25
Bromoform	10.0	8.24		ug/L		82	56 - 139	7	35
Bromomethane	10.0	7.10		ug/L		71	40 - 146	12	35
Carbon disulfide	10.0	7.47		ug/L		75	52 - 138	2	35
Carbon tetrachloride	10.0	10.5		ug/L		105	70 - 140	2	25
Chlorobenzene	10.0	10.0		ug/L		100	73 - 125	4	25
Chlorodibromomethane	10.0	8.69		ug/L		87	67 - 133	6	25
Chloroethane	10.0	9.50		ug/L		95	47 - 143	4	35
Chloroform	10.0	9.48		ug/L		95	67 - 133	2	25
Chloromethane	10.0	10.2		ug/L		102	51 - 137	4	35
cis-1,2-Dichloroethene	10.0	9.91		ug/L		99	69 - 127	2	20
cis-1,3-Dichloropropene	10.0	8.92		ug/L		89	50 - 140	7	35
Cyclohexane	10.0	9.58		ug/L		96	45 - 142	2	35
Dichlorobromomethane	10.0	8.48		ug/L		85	65 - 135	5	25
Dichlorodifluoromethane	10.0	8.80		ug/L		88	38 - 145	2	35
Ethylbenzene	10.0	9.80		ug/L		98	65 - 133	2	25
Isopropylbenzene	10.0	9.83		ug/L		98	58 - 130	2	35
Methyl acetate	50.0	47.7		ug/L		95	47 - 142	3	35
Methyl tert-butyl ether	10.0	8.60		ug/L		86	50 - 150	1	50
Methylcyclohexane	10.0	9.75		ug/L		98	45 - 145	1	35
Methylene Chloride	10.0	9.07		ug/L		91	60 - 140	4	25
Styrene	10.0	10.0		ug/L		100	70 - 130	3	30
Tetrachloroethene	10.0	9.93		ug/L		99	73 - 127	2	25
Toluene	10.0	10.1		ug/L		101	74 - 126	4	25
trans-1,2-Dichloroethene	10.0	9.92		ug/L		99	69 - 131	0	25
trans-1,3-Dichloropropene	10.0	9.20		ug/L		92	64 - 134	6	33
Trichloroethene	10.0	9.43		ug/L		94	73 - 125	1	25
Trichlorofluoromethane	10.0	7.90		ug/L		79	56 - 141	4	35
Vinyl chloride	10.0	10.4		ug/L		104	30 - 140	2	35
Xylenes, Total	20.0	19.6		ug/L		98	53 - 140	4	25

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: LCSD 180-127358/11
Matrix: Water
Analysis Batch: 127358

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		58 - 135
4-Bromofluorobenzene (Surr)	91		62 - 123
Toluene-d8 (Surr)	98		71 - 118
Dibromofluoromethane (Surr)	91		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-126755/1-A
Matrix: Water
Analysis Batch: 126879

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 126755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		11/30/14 08:32	12/01/14 12:56	1
Chromium	5.0	U	5.0	0.77	ug/L		11/30/14 08:32	12/01/14 12:56	1
Lead	10	U	10	1.2	ug/L		11/30/14 08:32	12/01/14 12:56	1

Lab Sample ID: LCS 180-126755/2-A
Matrix: Water
Analysis Batch: 126879

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 126755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cadmium	50.0	53.8		ug/L		108	85 - 115
Chromium	200	224		ug/L		112	85 - 115
Lead	500	532		ug/L		106	85 - 115

Lab Sample ID: 180-39250-5 MS
Matrix: Water
Analysis Batch: 126879

Client Sample ID: WS-18036-112414-005
Prep Type: Total Recoverable
Prep Batch: 126755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cadmium	0.34	J	50.0	56.9		ug/L		113	70 - 130
Chromium	15		200	232		ug/L		109	70 - 130
Lead	9.5	J	500	542		ug/L		106	70 - 130

Lab Sample ID: 180-39250-5 MSD
Matrix: Water
Analysis Batch: 126879

Client Sample ID: WS-18036-112414-005
Prep Type: Total Recoverable
Prep Batch: 126755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Cadmium	0.34	J	50.0	54.8		ug/L		109	70 - 130	4	20
Chromium	15		200	230		ug/L		108	70 - 130	1	20
Lead	9.5	J	500	526		ug/L		103	70 - 130	3	20

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

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

Lab Sample ID: MB 180-126538/2
Matrix: Water
Analysis Batch: 126538

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	2.0	U	2.0	2.0	mg/L			11/26/14 08:46	1

Lab Sample ID: LCS 180-126538/1
Matrix: Water
Analysis Batch: 126538

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	56.9	48.0		mg/L		84	80 - 120

Lab Sample ID: 180-39250-1 DU
Matrix: Water
Analysis Batch: 126538

Client Sample ID: WS-18036-112414-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	5.6		7.60	F5	mg/L		30	10

Lab Sample ID: 180-39250-5 DU
Matrix: Water
Analysis Batch: 126538

Client Sample ID: WS-18036-112414-005
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	150		167		mg/L		8	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-126534/1
Matrix: Water
Analysis Batch: 126534

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: 180-39250-5 DU
Matrix: Water
Analysis Batch: 126534

Client Sample ID: WS-18036-112414-005
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	9.17	HF	9.220	HF	SU		0.5	2

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

GC/MS VOA

Analysis Batch: 127175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-1	WS-18036-112414-001	Total/NA	Water	624	
180-39250-3	WS-18036-112414-003	Total/NA	Water	624	
MB 180-127175/35	Method Blank	Total/NA	Water	624	
MB 180-127175/7	Method Blank	Total/NA	Water	624	
LCS 180-127175/1002	Lab Control Sample	Total/NA	Water	624	
180-39315-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-39315-C-3 MS	Matrix Spike	Total/NA	Water	624	

Analysis Batch: 127185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-5	WS-18036-112414-005	Total/NA	Water	624	
180-39250-6	WS-18036-112414-006	Total/NA	Water	624	
180-39250-8	WS-18036-112414-008	Total/NA	Water	624	
180-39250-9	WS-18036-112414-009	Total/NA	Water	624	
180-39250-10	WS-18036-112414-010	Total/NA	Water	624	
180-39250-12	TB-18036-112414-01	Total/NA	Water	624	
MB 180-127185/34	Method Blank	Total/NA	Water	624	
MB 180-127185/9	Method Blank	Total/NA	Water	624	
LCS 180-127185/1007	Lab Control Sample	Total/NA	Water	624	
180-39250-5 MS	WS-18036-112414-005	Total/NA	Water	624	
180-39250-5 MSD	WS-18036-112414-005	Total/NA	Water	624	

Analysis Batch: 127358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-2	WS-18036-112414-002	Total/NA	Water	624	
180-39250-3 - DL	WS-18036-112414-003	Total/NA	Water	624	
180-39250-4	WS-18036-112414-004	Total/NA	Water	624	
180-39250-6 - DL	WS-18036-112414-006	Total/NA	Water	624	
180-39250-7	WS-18036-112414-007	Total/NA	Water	624	
180-39250-11	WS-18036-112414-011	Total/NA	Water	624	
MB 180-127358/30	Method Blank	Total/NA	Water	624	
LCS 180-127358/1005	Lab Control Sample	Total/NA	Water	624	
LCSD 180-127358/11	Lab Control Sample Dup	Total/NA	Water	624	

Metals

Prep Batch: 126755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-1	WS-18036-112414-001	Total Recoverable	Water	200.7	
180-39250-2	WS-18036-112414-002	Total Recoverable	Water	200.7	
180-39250-3	WS-18036-112414-003	Total Recoverable	Water	200.7	
180-39250-4	WS-18036-112414-004	Total Recoverable	Water	200.7	
180-39250-5	WS-18036-112414-005	Total Recoverable	Water	200.7	
180-39250-6	WS-18036-112414-006	Total Recoverable	Water	200.7	
180-39250-7	WS-18036-112414-007	Total Recoverable	Water	200.7	
180-39250-8	WS-18036-112414-008	Total Recoverable	Water	200.7	
180-39250-9	WS-18036-112414-009	Total Recoverable	Water	200.7	
180-39250-10	WS-18036-112414-010	Total Recoverable	Water	200.7	
180-39250-11	WS-18036-112414-011	Total Recoverable	Water	200.7	
MB 180-126755/1-A	Method Blank	Total Recoverable	Water	200.7	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

Metals (Continued)

Prep Batch: 126755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-126755/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-39250-5 MS	WS-18036-112414-005	Total Recoverable	Water	200.7	
180-39250-5 MSD	WS-18036-112414-005	Total Recoverable	Water	200.7	

Analysis Batch: 126879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-1	WS-18036-112414-001	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-2	WS-18036-112414-002	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-3	WS-18036-112414-003	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-4	WS-18036-112414-004	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-5	WS-18036-112414-005	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-6	WS-18036-112414-006	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-7	WS-18036-112414-007	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-8	WS-18036-112414-008	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-9	WS-18036-112414-009	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-10	WS-18036-112414-010	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-11	WS-18036-112414-011	Total Recoverable	Water	200.7 Rev 4.4	126755
MB 180-126755/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	126755
LCS 180-126755/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-5 MS	WS-18036-112414-005	Total Recoverable	Water	200.7 Rev 4.4	126755
180-39250-5 MSD	WS-18036-112414-005	Total Recoverable	Water	200.7 Rev 4.4	126755

General Chemistry

Analysis Batch: 126534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-1	WS-18036-112414-001	Total/NA	Water	SM 4500 H+ B	
180-39250-2	WS-18036-112414-002	Total/NA	Water	SM 4500 H+ B	
180-39250-3	WS-18036-112414-003	Total/NA	Water	SM 4500 H+ B	
180-39250-4	WS-18036-112414-004	Total/NA	Water	SM 4500 H+ B	
180-39250-5	WS-18036-112414-005	Total/NA	Water	SM 4500 H+ B	
180-39250-6	WS-18036-112414-006	Total/NA	Water	SM 4500 H+ B	
180-39250-7	WS-18036-112414-007	Total/NA	Water	SM 4500 H+ B	
180-39250-8	WS-18036-112414-008	Total/NA	Water	SM 4500 H+ B	
180-39250-9	WS-18036-112414-009	Total/NA	Water	SM 4500 H+ B	
180-39250-10	WS-18036-112414-010	Total/NA	Water	SM 4500 H+ B	
180-39250-11	WS-18036-112414-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-126534/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
180-39250-5 DU	WS-18036-112414-005	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 126538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-1	WS-18036-112414-001	Total/NA	Water	SM 2540D	
180-39250-2	WS-18036-112414-002	Total/NA	Water	SM 2540D	
180-39250-3	WS-18036-112414-003	Total/NA	Water	SM 2540D	
180-39250-4	WS-18036-112414-004	Total/NA	Water	SM 2540D	
180-39250-5	WS-18036-112414-005	Total/NA	Water	SM 2540D	
180-39250-6	WS-18036-112414-006	Total/NA	Water	SM 2540D	
180-39250-7	WS-18036-112414-007	Total/NA	Water	SM 2540D	
180-39250-8	WS-18036-112414-008	Total/NA	Water	SM 2540D	

TestAmerica Pittsburgh

QC Association Summary

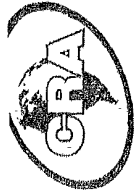
Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-39250-1

General Chemistry (Continued)

Analysis Batch: 126538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39250-9	WS-18036-112414-009	Total/NA	Water	SM 2540D	
180-39250-10	WS-18036-112414-010	Total/NA	Water	SM 2540D	
180-39250-11	WS-18036-112414-011	Total/NA	Water	SM 2540D	
MB 180-126538/2	Method Blank	Total/NA	Water	SM 2540D	
LCS 180-126538/1	Lab Control Sample	Total/NA	Water	SM 2540D	
180-39250-1 DU	WS-18036-112414-001	Total/NA	Water	SM 2540D	
180-39250-5 DU	WS-18036-112414-005	Total/NA	Water	SM 2540D	



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO.: 48079

PAGE 1 OF 1

(See Reverse Side for Instructions)

Address: 2055 Niagara Falls Blvd Niagara Falls, NY

Phone: 297-6150 Fax: 716 297-2465

Project No/Phase/Task Code: 018036-2014
 Project Name: Buffalo Air Port Storm Sewer Sampling
 Project Location: Cheektowaga, NY
 Chemistry Contact: Sue Scrocchi
 Sampler(s): Kevin Lynch

Laboratory Name: Test America
 Lab Contact: Jill Collussi
 Lab Location: Pittsburgh, PA
 Lab Quote No: 18036-2 Coolers
 Cartier: Fed Ex
 Airbill No: _____

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (g) or Comp (C)	CONTAINER QUANTITY & PRESERVATION							Total Containers/Sample	ANALYSIS REQUESTED (See Back of COC for Definitions)	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
	Unpreserved	Hydrochloric Acid (HCl)					Nitric Acid (HNO3)	Sulfuric Acid (H2SO4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil)	VOC	Encores 3x5-g, 1x25-g	Other				
1	WS-18036-112414-001	WS	11/29/14	0900	WS	G	2	3	1					6			
2	WS-18036-112414-002	WS		0930	WS	G	2	3	1					6			
3	WS-18036-112414-003	WS		1130	WS	G	2	3	1					6			
4	WS-18036-112414-004	WS		1145	WS	G	2	3	1					6			High pH-check preservative
5	WS-18036-112414-005	WS		1230	WS	G	6	9	3					18			X High pH-check preservative
6	WS-18036-112414-006	WS		1400	WS	G	2	3	1					6			High pH-check preservative
7	WS-18036-112414-007	WS		1445	WS	G	2	3	1					6			High pH-check preservative
8	WS-18036-112414-008	WS		1515	WS	G	2	3	1					6			High PH-check Preservative
9	WS-18036-112414-009	WS		1515	WS	G	2	3	1					6			High PH-check Preservative
10	WS-18036-112414-010	WS		1545	WS	G	2	3	1					6			High PH-check Preservative
11	WS-18036-112414-011	WS		1615	WS	G	2	3	1					6			
12	TB-18036-112414-01	W	11/29/14	-	W	-	-	-	-					1			
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: _____

RELINQUISHED BY: [Signature] COMPANY: CRA DATE: 11/29/14 TIME: 1730* RECEIVED BY: [Signature] COMPANY: [Signature] DATE: 11/25/14 TIME: 1719

Total Number of Containers: 79 Notes/Special: _____
 All Samples in Cooler must be on COC

180-39250 Chain of Custody

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-39250-1

Login Number: 39250

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	

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: 180-42657-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

4/16/2015 11:25:20 AM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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.

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QC Association Summary	29
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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Job ID: 180-42657-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-42657-1

Receipt

The samples were received on 4/2/2015 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 3.4° C.

GC/MS VOA

Due to the concentration of target compounds detected, several samples were analyzed at a dilution. Elevated reporting limits (RLs) are provided.

Internal standard (ISTD) response for TBA-d9 for the following sample was outside acceptance criteria: TB-18036-040115-001 (180-42657-12). This ISTD does not correspond to any of the requested target compounds; therefore, the results have been reported.

Metals

Due to sample matrix effect on the internal standard (ISTD), several samples were analyzed at a dilution. Elevated reporting limits (RLs) are provided.

The laboratory control sample (LCS) for batch 180-137705 recovered high and outside the control limits for the following analytes: cadmium. This analyte was biased high in the LCS and any sample that was non-detect or had cadmium detected between the MDL and the RL was reported. The samples that had cadmium detected above the RL were re-analyzed along with the LCS.

General Chemistry

The relative percent difference between the TSS results for sample WS-18036-040115-011 (180-42657-11) and the duplicate of this sample was outside of the control limits.

Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
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.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
F3	Duplicate RPD exceeds the control limit
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-16
Connecticut	State Program	1	PH-0688	09-30-16
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	04-30-15 *
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-16
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-16
North Carolina (WW/SW)	State Program	4	434	12-31-15
Pennsylvania	NELAP	3	02-00416	04-30-15 *
South Carolina	State Program	4	89014	04-30-15 *
Texas	NELAP	6	T104704528	03-31-16
US Fish & Wildlife	Federal		LE94312A-1	11-30-15
USDA	Federal		P-Soil-01	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-15
West Virginia DEP	State Program	3	142	01-31-16
Wisconsin	State Program	5	998027800	08-31-15

* Certification renewal pending - certification considered valid.



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-42657-1	WS-18036-040115-001	Water	04/01/15 09:00	04/02/15 10:25
180-42657-2	WS-18036-040115-002	Water	04/01/15 09:30	04/02/15 10:25
180-42657-3	WS-18036-040115-003	Water	04/01/15 10:00	04/02/15 10:25
180-42657-4	WS-18036-040115-004	Water	04/01/15 10:30	04/02/15 10:25
180-42657-5	WS-18036-040115-005	Water	04/01/15 10:40	04/02/15 10:25
180-42657-6	WS-18036-040115-006	Water	04/01/15 11:15	04/02/15 10:25
180-42657-7	WS-18036-040115-007	Water	04/01/15 12:15	04/02/15 10:25
180-42657-8	WS-18036-040115-008	Water	04/01/15 12:30	04/02/15 10:25
180-42657-9	WS-18036-040115-009	Water	04/01/15 12:40	04/02/15 10:25
180-42657-10	WS-18036-040115-010	Water	04/01/15 13:15	04/02/15 10:25
180-42657-11	WS-18036-040115-011	Water	04/01/15 13:45	04/02/15 10:25
180-42657-12	TB-18036-040115-001	Water	04/01/15 00:00	04/02/15 10:25



Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-001

Lab Sample ID: 180-42657-1

Date Collected: 04/01/15 09:00

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	137734	04/08/15 03:56	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 16:24	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:26	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:19	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-002

Lab Sample ID: 180-42657-2

Date Collected: 04/01/15 09:30

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	137734	04/08/15 04:20	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:41	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:25	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-003

Lab Sample ID: 180-42657-3

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	137734	04/08/15 04:44	DLF	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	20	20 mL	20 mL	137923	04/08/15 14:52	PJJ	TAL PIT
		Instrument ID: CHHP7								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:45	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-003

Lab Sample ID: 180-42657-3

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:28	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-004

Lab Sample ID: 180-42657-4

Date Collected: 04/01/15 10:30

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	20 mL	20 mL	137923	04/08/15 15:19	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	138371	04/13/15 16:45	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:31	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-005

Lab Sample ID: 180-42657-5

Date Collected: 04/01/15 10:40

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	138040	04/09/15 13:35	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 16:55	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:53	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:33	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-006

Lab Sample ID: 180-42657-6

Date Collected: 04/01/15 11:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624	RA	1	5 mL	5 mL	137734	04/08/15 06:21	DLF	TAL PIT
Instrument ID: CHHP5										

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-006

Lab Sample ID: 180-42657-6

Date Collected: 04/01/15 11:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	137734	04/08/15 10:06	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		2	50 mL	50 mL	138371	04/13/15 17:01	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:04	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:42	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-007

Lab Sample ID: 180-42657-7

Date Collected: 04/01/15 12:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		10	20 mL	20 mL	137923	04/08/15 16:12	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:31	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:19	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:36	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	138040	04/09/15 13:59	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	138371	04/13/15 13:08	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:36	RJG	TAL PIT
Instrument ID: C										

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:23	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	50 mL	1000 mL	137797	04/07/15 16:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:39	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-009

Lab Sample ID: 180-42657-9

Date Collected: 04/01/15 12:40

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	138040	04/09/15 14:23	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	138371	04/13/15 13:14	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:41	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:27	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:51	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	138040	04/09/15 14:47	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:47	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:31	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:54	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-011

Lab Sample ID: 180-42657-11

Date Collected: 04/01/15 13:45

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	138040	04/09/15 15:12	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:35	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:57	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: TB-18036-040115-001

Lab Sample ID: 180-42657-12

Date Collected: 04/01/15 00:00

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	20 mL	20 mL	137923	04/08/15 20:23	PJJ	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

AB1 = Ashwin Baikadi

Batch Type: Analysis

DLF = Donald Ferguson

JWS = Jim Swanson

PJJ = Patrick Journet

RJ = Rebekah Jaquay

RJG = Rob Good

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-001

Lab Sample ID: 180-42657-1

Date Collected: 04/01/15 09:00

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/08/15 03:56	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 03:56	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 03:56	1
Trichloroethene	0.53	J	1.0	0.14	ug/L			04/08/15 03:56	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 03:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 03:56	1
cis-1,2-Dichloroethene	0.32	J	1.0	0.24	ug/L			04/08/15 03:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		58 - 135		04/08/15 03:56	1
4-Bromofluorobenzene (Surr)	96		62 - 123		04/08/15 03:56	1
Toluene-d8 (Surr)	98		71 - 118		04/08/15 03:56	1
Dibromofluoromethane (Surr)	114		64 - 128		04/08/15 03:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.97	J * F1	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:26	1
Chromium	3.7	J	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:26	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 16:24	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	66		1.0	1.0	mg/L			04/06/15 10:10	1
pH	7.96	HF	0.100	0.100	SU			04/04/15 10:19	1

Client Sample ID: WS-18036-040115-002

Lab Sample ID: 180-42657-2

Date Collected: 04/01/15 09:30

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/08/15 04:20	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 04:20	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 04:20	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 04:20	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 04:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 04:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		58 - 135		04/08/15 04:20	1
4-Bromofluorobenzene (Surr)	94		62 - 123		04/08/15 04:20	1
Toluene-d8 (Surr)	99		71 - 118		04/08/15 04:20	1
Dibromofluoromethane (Surr)	115		64 - 128		04/08/15 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.18	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:41	1
Chromium	5.0	U	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:41	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:25	04/08/15 15:41	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-002

Lab Sample ID: 180-42657-2

Date Collected: 04/01/15 09:30

Matrix: Water

Date Received: 04/02/15 10:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	41		1.0	1.0	mg/L			04/06/15 10:10	1
pH	8.10	HF	0.100	0.100	SU			04/04/15 10:25	1

Client Sample ID: WS-18036-040115-003

Lab Sample ID: 180-42657-3

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/08/15 04:44	1
Tetrachloroethene	2.3		1.0	0.15	ug/L			04/08/15 04:44	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 04:44	1
Trichloroethene	140	E	1.0	0.14	ug/L			04/08/15 04:44	1
Vinyl chloride	1.3		1.0	0.23	ug/L			04/08/15 04:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 04:44	1
cis-1,2-Dichloroethene	28		1.0	0.24	ug/L			04/08/15 04:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/08/15 04:44	1
4-Bromofluorobenzene (Surr)	100		62 - 123		04/08/15 04:44	1
Toluene-d8 (Surr)	103		71 - 118		04/08/15 04:44	1
Dibromofluoromethane (Surr)	108		64 - 128		04/08/15 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	20	U	20	3.0	ug/L			04/08/15 14:52	20
Tetrachloroethene	20	U	20	3.0	ug/L			04/08/15 14:52	20
Toluene	20	U	20	3.0	ug/L			04/08/15 14:52	20
Trichloroethene	100		20	2.9	ug/L			04/08/15 14:52	20
Vinyl chloride	20	U	20	4.5	ug/L			04/08/15 14:52	20
1,2-Dichlorobenzene	20	U	20	3.0	ug/L			04/08/15 14:52	20
cis-1,2-Dichloroethene	34		20	4.7	ug/L			04/08/15 14:52	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		58 - 135		04/08/15 14:52	20
4-Bromofluorobenzene (Surr)	98		62 - 123		04/08/15 14:52	20
Toluene-d8 (Surr)	107		71 - 118		04/08/15 14:52	20
Dibromofluoromethane (Surr)	112		64 - 128		04/08/15 14:52	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.26	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:45	1
Chromium	6.2		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:45	1
Lead	7.2	J	10	1.2	ug/L		04/07/15 08:25	04/08/15 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	50		1.0	1.0	mg/L			04/06/15 10:10	1
pH	8.29	HF	0.100	0.100	SU			04/04/15 10:28	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-004

Lab Sample ID: 180-42657-4

Date Collected: 04/01/15 10:30

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	0.75	ug/L			04/08/15 15:19	5
Tetrachloroethene	1.0	J	5.0	0.74	ug/L			04/08/15 15:19	5
Toluene	5.0	U	5.0	0.75	ug/L			04/08/15 15:19	5
Trichloroethene	70		5.0	0.72	ug/L			04/08/15 15:19	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			04/08/15 15:19	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			04/08/15 15:19	5
cis-1,2-Dichloroethene	19		5.0	1.2	ug/L			04/08/15 15:19	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		58 - 135					04/08/15 15:19	5
4-Bromofluorobenzene (Surr)	93		62 - 123					04/08/15 15:19	5
Toluene-d8 (Surr)	100		71 - 118					04/08/15 15:19	5
Dibromofluoromethane (Surr)	114		64 - 128					04/08/15 15:19	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		04/07/15 08:25	04/13/15 16:45	1
Chromium	3.2	J	5.0	0.77	ug/L		04/07/15 08:25	04/13/15 16:45	1
Lead	1.2	J	10	1.2	ug/L		04/07/15 08:25	04/13/15 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.5		0.50	0.50	mg/L			04/06/15 10:10	1
pH	8.33	HF	0.100	0.100	SU			04/04/15 10:31	1

Client Sample ID: WS-18036-040115-005

Lab Sample ID: 180-42657-5

Date Collected: 04/01/15 10:40

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	3.9	J B	5.0	0.75	ug/L			04/09/15 13:35	5
Tetrachloroethene	7.0		5.0	0.74	ug/L			04/09/15 13:35	5
Toluene	5.0	U	5.0	0.75	ug/L			04/09/15 13:35	5
Trichloroethene	82		5.0	0.72	ug/L			04/09/15 13:35	5
Vinyl chloride	1.7	J	5.0	1.1	ug/L			04/09/15 13:35	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			04/09/15 13:35	5
cis-1,2-Dichloroethene	23		5.0	1.2	ug/L			04/09/15 13:35	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		58 - 135					04/09/15 13:35	5
4-Bromofluorobenzene (Surr)	94		62 - 123					04/09/15 13:35	5
Toluene-d8 (Surr)	101		71 - 118					04/09/15 13:35	5
Dibromofluoromethane (Surr)	111		64 - 128					04/09/15 13:35	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.21	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:53	1
Chromium	7.1		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:53	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 16:55	5

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-005

Lab Sample ID: 180-42657-5

Date Collected: 04/01/15 10:40

Matrix: Water

Date Received: 04/02/15 10:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	160		1.0	1.0	mg/L			04/06/15 10:10	1
pH	11.2	HF	0.100	0.100	SU			04/04/15 10:33	1

Client Sample ID: WS-18036-040115-006

Lab Sample ID: 180-42657-6

Date Collected: 04/01/15 11:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.6	J	3.0	0.45	ug/L			04/08/15 10:06	3
Tetrachloroethene	12		3.0	0.45	ug/L			04/08/15 10:06	3
Toluene	3.0	U	3.0	0.45	ug/L			04/08/15 10:06	3
Trichloroethene	66	F1	3.0	0.43	ug/L			04/08/15 10:06	3
Vinyl chloride	2.6	J	3.0	0.68	ug/L			04/08/15 10:06	3
1,2-Dichlorobenzene	3.0	U	3.0	0.46	ug/L			04/08/15 10:06	3
cis-1,2-Dichloroethene	29	F1	3.0	0.71	ug/L			04/08/15 10:06	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/08/15 10:06	3
4-Bromofluorobenzene (Surr)	96		62 - 123		04/08/15 10:06	3
Toluene-d8 (Surr)	102		71 - 118		04/08/15 10:06	3
Dibromofluoromethane (Surr)	109		64 - 128		04/08/15 10:06	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.18	J	1.0	0.15	ug/L			04/08/15 06:21	1
Tetrachloroethene	15		1.0	0.15	ug/L			04/08/15 06:21	1
Toluene	0.26	J	1.0	0.15	ug/L			04/08/15 06:21	1
Trichloroethene	77	E	1.0	0.14	ug/L			04/08/15 06:21	1
Vinyl chloride	3.1		1.0	0.23	ug/L			04/08/15 06:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 06:21	1
cis-1,2-Dichloroethene	34		1.0	0.24	ug/L			04/08/15 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		58 - 135		04/08/15 06:21	1
4-Bromofluorobenzene (Surr)	96		62 - 123		04/08/15 06:21	1
Toluene-d8 (Surr)	102		71 - 118		04/08/15 06:21	1
Dibromofluoromethane (Surr)	113		64 - 128		04/08/15 06:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.41	J * F1	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:04	1
Chromium	9.0		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:04	1
Lead	7.4	J	20	2.4	ug/L		04/07/15 08:25	04/13/15 17:01	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	170		1.0	1.0	mg/L			04/06/15 10:10	1
pH	10.6	HF	0.100	0.100	SU			04/04/15 10:42	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-007

Lab Sample ID: 180-42657-7

Date Collected: 04/01/15 12:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	10	U	10	1.5	ug/L			04/08/15 16:12	10
Tetrachloroethene	10	U	10	1.5	ug/L			04/08/15 16:12	10
Toluene	10	U	10	1.5	ug/L			04/08/15 16:12	10
Trichloroethene	71		10	1.4	ug/L			04/08/15 16:12	10
Vinyl chloride	10	U	10	2.3	ug/L			04/08/15 16:12	10
1,2-Dichlorobenzene	10	U	10	1.5	ug/L			04/08/15 16:12	10
cis-1,2-Dichloroethene	15		10	2.4	ug/L			04/08/15 16:12	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		58 - 135					04/08/15 16:12	10
4-Bromofluorobenzene (Surr)	101		62 - 123					04/08/15 16:12	10
Toluene-d8 (Surr)	118		71 - 118					04/08/15 16:12	10
Dibromofluoromethane (Surr)	128		64 - 128					04/08/15 16:12	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.25	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:19	1
Chromium	10		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:19	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 17:31	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.4		0.50	0.50	mg/L			04/06/15 10:10	1
pH	9.03	HF	0.100	0.100	SU			04/04/15 10:36	1

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.18	J B	1.0	0.15	ug/L			04/09/15 13:59	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 13:59	1
Toluene	0.39	J	1.0	0.15	ug/L			04/09/15 13:59	1
Trichloroethene	0.62	J	1.0	0.14	ug/L			04/09/15 13:59	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 13:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 13:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		58 - 135					04/09/15 13:59	1
4-Bromofluorobenzene (Surr)	96		62 - 123					04/09/15 13:59	1
Toluene-d8 (Surr)	99		71 - 118					04/09/15 13:59	1
Dibromofluoromethane (Surr)	106		64 - 128					04/09/15 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	8.9		5.0	0.13	ug/L		04/07/15 08:25	04/13/15 13:08	1
Chromium	27		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:23	1
Lead	100		50	6.0	ug/L		04/07/15 08:25	04/13/15 17:36	5

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1300		10	10	mg/L			04/07/15 16:10	1
pH	7.70	HF	0.100	0.100	SU			04/04/15 10:39	1

Client Sample ID: WS-18036-040115-009

Lab Sample ID: 180-42657-9

Date Collected: 04/01/15 12:40

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.19	J B	1.0	0.15	ug/L			04/09/15 14:23	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 14:23	1
Toluene	0.63	J	1.0	0.15	ug/L			04/09/15 14:23	1
Trichloroethene	0.62	J	1.0	0.14	ug/L			04/09/15 14:23	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 14:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 14:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/09/15 14:23	1
4-Bromofluorobenzene (Surr)	100		62 - 123		04/09/15 14:23	1
Toluene-d8 (Surr)	103		71 - 118		04/09/15 14:23	1
Dibromofluoromethane (Surr)	109		64 - 128		04/09/15 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.4		5.0	0.13	ug/L		04/07/15 08:25	04/13/15 13:14	1
Chromium	31		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:27	1
Lead	91		50	6.0	ug/L		04/07/15 08:25	04/13/15 17:41	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	750		2.0	2.0	mg/L			04/06/15 10:10	1
pH	7.57	HF	0.100	0.100	SU			04/04/15 10:51	1

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.15	J B	1.0	0.15	ug/L			04/09/15 14:47	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 14:47	1
Toluene	1.0	U	1.0	0.15	ug/L			04/09/15 14:47	1
Trichloroethene	0.54	J	1.0	0.14	ug/L			04/09/15 14:47	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 14:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 14:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		58 - 135		04/09/15 14:47	1
4-Bromofluorobenzene (Surr)	94		62 - 123		04/09/15 14:47	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		71 - 118		04/09/15 14:47	1
Dibromofluoromethane (Surr)	108		64 - 128		04/09/15 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.21	J*	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:31	1
Chromium	13		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:31	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 17:47	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	7.3		0.50	0.50	mg/L			04/06/15 10:10	1
pH	8.89	HF	0.100	0.100	SU			04/04/15 10:54	1

Client Sample ID: WS-18036-040115-011

Lab Sample ID: 180-42657-11

Date Collected: 04/01/15 13:45

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/09/15 15:12	1
Tetrachloroethene	1.2		1.0	0.15	ug/L			04/09/15 15:12	1
Toluene	1.0	U	1.0	0.15	ug/L			04/09/15 15:12	1
Trichloroethene	0.25	J	1.0	0.14	ug/L			04/09/15 15:12	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 15:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 15:12	1
cis-1,2-Dichloroethene	0.24	J	1.0	0.24	ug/L			04/09/15 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		58 - 135		04/09/15 15:12	1
4-Bromofluorobenzene (Surr)	100		62 - 123		04/09/15 15:12	1
Toluene-d8 (Surr)	103		71 - 118		04/09/15 15:12	1
Dibromofluoromethane (Surr)	110		64 - 128		04/09/15 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.1	J*	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:35	1
Chromium	1.9	J	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:35	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:25	04/08/15 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	13		1.0	1.0	mg/L			04/06/15 10:10	1
pH	8.01	HF	0.100	0.100	SU			04/04/15 10:57	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: TB-18036-040115-001

Lab Sample ID: 180-42657-12

Date Collected: 04/01/15 00:00

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/08/15 20:23	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 20:23	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 20:23	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 20:23	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 20:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 20:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		58 - 135		04/08/15 20:23	1
4-Bromofluorobenzene (Surr)	97		62 - 123		04/08/15 20:23	1
Toluene-d8 (Surr)	103		71 - 118		04/08/15 20:23	1
Dibromofluoromethane (Surr)	113		64 - 128		04/08/15 20:23	1



QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: MB 180-137734/33

Matrix: Water

Analysis Batch: 137734

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 00:19	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 00:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		58 - 135		04/08/15 00:19	1
4-Bromofluorobenzene (Surr)	92		62 - 123		04/08/15 00:19	1
Toluene-d8 (Surr)	100		71 - 118		04/08/15 00:19	1
Dibromofluoromethane (Surr)	112		64 - 128		04/08/15 00:19	1

Lab Sample ID: LCS 180-137734/1002

Matrix: Water

Analysis Batch: 137734

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	10.0		ug/L		100	60 - 140
Tetrachloroethene	10.0	10.6		ug/L		106	73 - 127
Toluene	10.0	10.9		ug/L		109	74 - 126
Trichloroethene	10.0	9.76		ug/L		98	73 - 125
Vinyl chloride	10.0	12.7		ug/L		127	30 - 140
1,2-Dichlorobenzene	10.0	9.50		ug/L		95	68 - 127
cis-1,2-Dichloroethene	10.0	9.74		ug/L		97	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		58 - 135
4-Bromofluorobenzene (Surr)	95		62 - 123
Toluene-d8 (Surr)	102		71 - 118
Dibromofluoromethane (Surr)	94		64 - 128

Lab Sample ID: 180-42657-6 MS

Matrix: Water

Analysis Batch: 137734

Client Sample ID: WS-18036-040115-006

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	1.6	J	30.0	27.7		ug/L		87	60 - 140
Tetrachloroethene	12		30.0	38.0		ug/L		87	73 - 127
Toluene	3.0	U	30.0	31.2		ug/L		104	74 - 126
Trichloroethene	66	F1	30.0	71.0	F1	ug/L		16	73 - 125
Vinyl chloride	2.6	J	30.0	35.8		ug/L		111	30 - 140
1,2-Dichlorobenzene	3.0	U	30.0	29.9		ug/L		100	68 - 127
cis-1,2-Dichloroethene	29	F1	30.0	46.3	F1	ug/L		59	69 - 127

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42657-6 MS

Matrix: Water

Analysis Batch: 137734

Client Sample ID: WS-18036-040115-006

Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		58 - 135
4-Bromofluorobenzene (Surr)	91		62 - 123
Toluene-d8 (Surr)	93		71 - 118
Dibromofluoromethane (Surr)	88		64 - 128

Lab Sample ID: 180-42657-6 MSD

Matrix: Water

Analysis Batch: 137734

Client Sample ID: WS-18036-040115-006

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Methylene Chloride	1.6	J	30.0	26.5		ug/L		83	60 - 140	5	25
Tetrachloroethene	12		30.0	37.0		ug/L		84	73 - 127	3	25
Toluene	3.0	U	30.0	29.8		ug/L		99	74 - 126	4	25
Trichloroethene	66	F1	30.0	73.3	F1	ug/L		23	73 - 125	3	25
Vinyl chloride	2.6	J	30.0	36.0		ug/L		111	30 - 140	0	35
1,2-Dichlorobenzene	3.0	U	30.0	29.8		ug/L		99	68 - 127	0	35
cis-1,2-Dichloroethene	29	F1	30.0	47.5	F1	ug/L		63	69 - 127	3	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	89		71 - 118
Dibromofluoromethane (Surr)	80		64 - 128

Lab Sample ID: MB 180-137923/7

Matrix: Water

Analysis Batch: 137923

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 11:22	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 11:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 11:22	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	88		58 - 135		04/08/15 11:22	1
4-Bromofluorobenzene (Surr)	94		62 - 123		04/08/15 11:22	1
Toluene-d8 (Surr)	111		71 - 118		04/08/15 11:22	1
Dibromofluoromethane (Surr)	108		64 - 128		04/08/15 11:22	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: LCS 180-137923/1003

Matrix: Water

Analysis Batch: 137923

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	9.67		ug/L		97	60 - 140
Tetrachloroethene	10.0	9.78		ug/L		98	73 - 127
Toluene	10.0	10.4		ug/L		104	74 - 126
Trichloroethene	10.0	10.4		ug/L		104	73 - 125
Vinyl chloride	10.0	10.2		ug/L		102	30 - 140
1,2-Dichlorobenzene	10.0	10.3		ug/L		103	68 - 127
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	96		62 - 123
Toluene-d8 (Surr)	109		71 - 118
Dibromofluoromethane (Surr)	101		64 - 128

Lab Sample ID: 180-42664-A-1 MS

Matrix: Water

Analysis Batch: 137923

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	1.0	U	10.0	10.5		ug/L		105	60 - 140
Tetrachloroethene	1.0	U	10.0	7.73		ug/L		77	73 - 127
Toluene	1.0	U	10.0	10.0		ug/L		100	74 - 126
Trichloroethene	1.0	U	10.0	8.59		ug/L		86	73 - 125
Vinyl chloride	1.0	U	10.0	7.81		ug/L		78	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	10.2		ug/L		102	68 - 127
cis-1,2-Dichloroethene	1.0	U	10.0	10.3		ug/L		103	69 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		58 - 135
4-Bromofluorobenzene (Surr)	105		62 - 123
Toluene-d8 (Surr)	108		71 - 118
Dibromofluoromethane (Surr)	113		64 - 128

Lab Sample ID: 180-42664-B-1 MSD

Matrix: Water

Analysis Batch: 137923

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	1.0	U	10.0	10.6		ug/L		106	60 - 140	1	25
Tetrachloroethene	1.0	U	10.0	8.37		ug/L		84	73 - 127	8	25
Toluene	1.0	U	10.0	10.1		ug/L		101	74 - 126	1	25
Trichloroethene	1.0	U	10.0	8.80		ug/L		88	73 - 125	2	25
Vinyl chloride	1.0	U	10.0	9.15		ug/L		92	30 - 140	16	35
1,2-Dichlorobenzene	1.0	U	10.0	11.1		ug/L		111	68 - 127	9	35
cis-1,2-Dichloroethene	1.0	U	10.0	9.97		ug/L		100	69 - 127	3	20

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42664-B-1 MSD

Matrix: Water

Analysis Batch: 137923

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	110		71 - 118
Dibromofluoromethane (Surr)	104		64 - 128

Lab Sample ID: MB 180-138040/3

Matrix: Water

Analysis Batch: 138040

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	0.160	J	1.0	0.15	ug/L			04/09/15 12:54	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 12:54	1
Toluene	1.0	U	1.0	0.15	ug/L			04/09/15 12:54	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/09/15 12:54	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 12:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 12:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 12:54	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/09/15 12:54	1
4-Bromofluorobenzene (Surr)	99		62 - 123		04/09/15 12:54	1
Toluene-d8 (Surr)	105		71 - 118		04/09/15 12:54	1
Dibromofluoromethane (Surr)	108		64 - 128		04/09/15 12:54	1

Lab Sample ID: LCS 180-138040/1002

Matrix: Water

Analysis Batch: 138040

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	10.0	9.94		ug/L		99	73 - 127
Toluene	10.0	9.76		ug/L		98	74 - 126
Trichloroethene	10.0	8.89		ug/L		89	73 - 125
Vinyl chloride	10.0	11.5		ug/L		115	30 - 140
1,2-Dichlorobenzene	10.0	9.00		ug/L		90	68 - 127
cis-1,2-Dichloroethene	10.0	9.18		ug/L		92	69 - 127

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		58 - 135
4-Bromofluorobenzene (Surr)	94		62 - 123
Toluene-d8 (Surr)	96		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42837-O-2 MS

Matrix: Water

Analysis Batch: 138040

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Methylene Chloride	1.0	U	10.0	9.92		ug/L		99	60 - 140
Tetrachloroethene	1.0	U	10.0	9.86		ug/L		99	73 - 127
Toluene	1.0	U	10.0	9.84		ug/L		98	74 - 126
Trichloroethene	1.0	U	10.0	9.35		ug/L		93	73 - 125
Vinyl chloride	1.0	U	10.0	11.2		ug/L		112	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.39		ug/L		94	68 - 127
cis-1,2-Dichloroethene	1.0	U	10.0	9.31		ug/L		93	69 - 127

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	95		71 - 118
Dibromofluoromethane (Surr)	99		64 - 128

Lab Sample ID: 180-42837-E-2 DU

Matrix: Water

Analysis Batch: 138040

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample		DU DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Toluene	1.0	U	1.0	U	ug/L		NC	

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	114		58 - 135
4-Bromofluorobenzene (Surr)	103		62 - 123
Toluene-d8 (Surr)	103		71 - 118
Dibromofluoromethane (Surr)	116		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-137705/1-A

Matrix: Water

Analysis Batch: 137967

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:19	1
Chromium	5.0	U	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:19	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:25	04/08/15 15:19	1

Lab Sample ID: MB 180-137705/1-A

Matrix: Water

Analysis Batch: 138371

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		04/07/15 08:25	04/13/15 12:58	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: LCS 180-137705/2-A
Matrix: Water
Analysis Batch: 137967

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	61.0	*	ug/L		122	85 - 115
Chromium	200	203		ug/L		102	85 - 115
Lead	500	540		ug/L		108	85 - 115

Lab Sample ID: LCS 180-137705/2-A
Matrix: Water
Analysis Batch: 138371

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	53.0		ug/L		106	85 - 115

Lab Sample ID: 180-42657-1 MS
Matrix: Water
Analysis Batch: 137967

Client Sample ID: WS-18036-040115-001
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.97	J * F1	50.0	68.6	F1	ug/L		135	70 - 130
Chromium	3.7	J	200	186		ug/L		91	70 - 130

Lab Sample ID: 180-42657-1 MS
Matrix: Water
Analysis Batch: 138371

Client Sample ID: WS-18036-040115-001
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50	U	500	475		ug/L		95	70 - 130

Lab Sample ID: 180-42657-1 MSD
Matrix: Water
Analysis Batch: 137967

Client Sample ID: WS-18036-040115-001
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cadmium	0.97	J * F1	50.0	71.9	F1	ug/L		142	70 - 130	5	20
Chromium	3.7	J	200	195		ug/L		96	70 - 130	5	20

Lab Sample ID: 180-42657-1 MSD
Matrix: Water
Analysis Batch: 138371

Client Sample ID: WS-18036-040115-001
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	50	U	500	495		ug/L		99	70 - 130	4	20

Lab Sample ID: 180-42657-6 MS
Matrix: Water
Analysis Batch: 137967

Client Sample ID: WS-18036-040115-006
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.41	J * F1	50.0	64.3		ug/L		128	70 - 130
Chromium	9.0		200	205		ug/L		98	70 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42657-6 MS
Matrix: Water
Analysis Batch: 138371

Client Sample ID: WS-18036-040115-006
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	7.4	J	500	493		ug/L		97	70 - 130

Lab Sample ID: 180-42657-6 MSD
Matrix: Water
Analysis Batch: 137967

Client Sample ID: WS-18036-040115-006
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.41	J* F1	50.0	66.5	F1	ug/L		132	70 - 130	3	20
Chromium	9.0		200	210		ug/L		100	70 - 130	2	20

Lab Sample ID: 180-42657-6 MSD
Matrix: Water
Analysis Batch: 138371

Client Sample ID: WS-18036-040115-006
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	7.4	J	500	511		ug/L		101	70 - 130	4	20

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

Lab Sample ID: MB 180-137610/2
Matrix: Water
Analysis Batch: 137610

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	0.50	U	0.50	0.50	mg/L			04/06/15 10:10	1

Lab Sample ID: LCS 180-137610/1
Matrix: Water
Analysis Batch: 137610

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	58.0	54.0		mg/L		93	80 - 120

Lab Sample ID: 180-42657-6 DU
Matrix: Water
Analysis Batch: 137610

Client Sample ID: WS-18036-040115-006
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	170		171		mg/L		0.8	10

Lab Sample ID: 180-42657-11 DU
Matrix: Water
Analysis Batch: 137610

Client Sample ID: WS-18036-040115-011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	13		18.2	F3	mg/L		36	10

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: MB 180-137797/2

Matrix: Water

Analysis Batch: 137797

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	0.50	U	0.50	0.50	mg/L			04/07/15 16:10	1

Lab Sample ID: LCS 180-137797/1

Matrix: Water

Analysis Batch: 137797

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	58.0	50.0		mg/L		86	80 - 120

Lab Sample ID: 180-42744-A-2 DU

Matrix: Water

Analysis Batch: 137797

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	1.0	U	1.0	U	mg/L		NC	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-137528/1

Matrix: Water

Analysis Batch: 137528

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	7.040		SU		101	99 - 101

Lab Sample ID: 180-42657-1 DU

Matrix: Water

Analysis Batch: 137528

Client Sample ID: WS-18036-040115-001

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.96	HF	7.940		SU		0.3	2

Lab Sample ID: 180-42657-6 DU

Matrix: Water

Analysis Batch: 137528

Client Sample ID: WS-18036-040115-006

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	10.6	HF	10.58	HF	SU		0.2	2

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

GC/MS VOA

Analysis Batch: 137734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total/NA	Water	624	
180-42657-2	WS-18036-040115-002	Total/NA	Water	624	
180-42657-3	WS-18036-040115-003	Total/NA	Water	624	
180-42657-6 - RA	WS-18036-040115-006	Total/NA	Water	624	
180-42657-6	WS-18036-040115-006	Total/NA	Water	624	
180-42657-6 MS	WS-18036-040115-006	Total/NA	Water	624	
180-42657-6 MSD	WS-18036-040115-006	Total/NA	Water	624	
LCS 180-137734/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-137734/33	Method Blank	Total/NA	Water	624	

Analysis Batch: 137923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-3 - DL	WS-18036-040115-003	Total/NA	Water	624	
180-42657-4	WS-18036-040115-004	Total/NA	Water	624	
180-42657-7	WS-18036-040115-007	Total/NA	Water	624	
180-42657-12	TB-18036-040115-001	Total/NA	Water	624	
180-42664-A-1 MS	Matrix Spike	Total/NA	Water	624	
180-42664-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
LCS 180-137923/1003	Lab Control Sample	Total/NA	Water	624	
MB 180-137923/7	Method Blank	Total/NA	Water	624	

Analysis Batch: 138040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-5	WS-18036-040115-005	Total/NA	Water	624	
180-42657-8	WS-18036-040115-008	Total/NA	Water	624	
180-42657-9	WS-18036-040115-009	Total/NA	Water	624	
180-42657-10	WS-18036-040115-010	Total/NA	Water	624	
180-42657-11	WS-18036-040115-011	Total/NA	Water	624	
180-42837-E-2 DU	Duplicate	Total/NA	Water	624	
180-42837-O-2 MS	Matrix Spike	Total/NA	Water	624	
LCS 180-138040/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-138040/3	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 137705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total Recoverable	Water	200.7	
180-42657-1 MS	WS-18036-040115-001	Total Recoverable	Water	200.7	
180-42657-1 MSD	WS-18036-040115-001	Total Recoverable	Water	200.7	
180-42657-2	WS-18036-040115-002	Total Recoverable	Water	200.7	
180-42657-3	WS-18036-040115-003	Total Recoverable	Water	200.7	
180-42657-4	WS-18036-040115-004	Total Recoverable	Water	200.7	
180-42657-5	WS-18036-040115-005	Total Recoverable	Water	200.7	
180-42657-6	WS-18036-040115-006	Total Recoverable	Water	200.7	
180-42657-6 MS	WS-18036-040115-006	Total Recoverable	Water	200.7	
180-42657-6 MSD	WS-18036-040115-006	Total Recoverable	Water	200.7	
180-42657-7	WS-18036-040115-007	Total Recoverable	Water	200.7	
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7	
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Metals (Continued)

Prep Batch: 137705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-10	WS-18036-040115-010	Total Recoverable	Water	200.7	
180-42657-11	WS-18036-040115-011	Total Recoverable	Water	200.7	
LCS 180-137705/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-137705/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 137967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MS	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MSD	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-2	WS-18036-040115-002	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-3	WS-18036-040115-003	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-5	WS-18036-040115-005	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MS	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MSD	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-7	WS-18036-040115-007	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-10	WS-18036-040115-010	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-11	WS-18036-040115-011	Total Recoverable	Water	200.7 Rev 4.4	137705
LCS 180-137705/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	137705
MB 180-137705/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	137705

Analysis Batch: 138371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MS	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MSD	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-4	WS-18036-040115-004	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-5	WS-18036-040115-005	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MS	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MSD	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-7	WS-18036-040115-007	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-10	WS-18036-040115-010	Total Recoverable	Water	200.7 Rev 4.4	137705
LCS 180-137705/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	137705
MB 180-137705/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	137705

General Chemistry

Analysis Batch: 137528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total/NA	Water	SM 4500 H+ B	
180-42657-1 DU	WS-18036-040115-001	Total/NA	Water	SM 4500 H+ B	
180-42657-2	WS-18036-040115-002	Total/NA	Water	SM 4500 H+ B	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

General Chemistry (Continued)

Analysis Batch: 137528 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-3	WS-18036-040115-003	Total/NA	Water	SM 4500 H+ B	
180-42657-4	WS-18036-040115-004	Total/NA	Water	SM 4500 H+ B	
180-42657-5	WS-18036-040115-005	Total/NA	Water	SM 4500 H+ B	
180-42657-6	WS-18036-040115-006	Total/NA	Water	SM 4500 H+ B	
180-42657-6 DU	WS-18036-040115-006	Total/NA	Water	SM 4500 H+ B	
180-42657-7	WS-18036-040115-007	Total/NA	Water	SM 4500 H+ B	
180-42657-8	WS-18036-040115-008	Total/NA	Water	SM 4500 H+ B	
180-42657-9	WS-18036-040115-009	Total/NA	Water	SM 4500 H+ B	
180-42657-10	WS-18036-040115-010	Total/NA	Water	SM 4500 H+ B	
180-42657-11	WS-18036-040115-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-137528/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 137610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total/NA	Water	SM 2540D	
180-42657-2	WS-18036-040115-002	Total/NA	Water	SM 2540D	
180-42657-3	WS-18036-040115-003	Total/NA	Water	SM 2540D	
180-42657-4	WS-18036-040115-004	Total/NA	Water	SM 2540D	
180-42657-5	WS-18036-040115-005	Total/NA	Water	SM 2540D	
180-42657-6	WS-18036-040115-006	Total/NA	Water	SM 2540D	
180-42657-6 DU	WS-18036-040115-006	Total/NA	Water	SM 2540D	
180-42657-7	WS-18036-040115-007	Total/NA	Water	SM 2540D	
180-42657-9	WS-18036-040115-009	Total/NA	Water	SM 2540D	
180-42657-10	WS-18036-040115-010	Total/NA	Water	SM 2540D	
180-42657-11	WS-18036-040115-011	Total/NA	Water	SM 2540D	
180-42657-11 DU	WS-18036-040115-011	Total/NA	Water	SM 2540D	
LCS 180-137610/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-137610/2	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 137797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-8	WS-18036-040115-008	Total/NA	Water	SM 2540D	
180-42744-A-2 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 180-137797/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-137797/2	Method Blank	Total/NA	Water	SM 2540D	



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD
 Address: 2855 Allegheny Falls Blvd, Niagara Falls, NY
 Phone: 716.297.6150 Fax: 716.297.2625

COC NO.: 48172
 PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No./Phase/Task Code: 18036-2014		Laboratory Name: TestAmerica		Lab Location: Pittsburgh, PA		SSOW ID: 18036	
Project Name: Sewer Sewer Sampling Aventura		Lab Contact: Jill Colussy		Lab Quote No.:		Cooler No.:	
Project Location: Buffalo Airport, Cheektowaga, NY		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Chemistry Contact: Sue Scrocechi		Matrix Code (see back of COC)		Unpreserved		Carrier: Fedex	
Sampler(s): Kevin Lynch Doug Osceen		Grab (G) or Comp (C)		Hydrochloric Acid (HCl)		Airbill No.:	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)		TIME (hh:mm)		Date Shipped: 4/1/15	
1 WS-18036-040115-001		4/1/15		0900		COMMENTS/ SPECIAL INSTRUCTIONS:	
2 WS-18036-040115-002		4/1/15		0930			
3 WS-18036-040115-003		4/1/15		1000			
4 WS-18036-040115-004		4/1/15		1030			
5 WS-18036-040115-005		4/1/15		1040		elevated pH	
6 WS-18036-040115-006		4/1/15		1115		elevated pH	
7 WS-18036-040115-007		4/1/15		1215		X MS/MSD Extra Vol.	
8 WS-18036-040115-008		4/1/15		1230		Elevated pH	
WS-18036-040115-009		4/1/15		1240			
WS-18036-040115-010		4/1/15		1315			
WS-18036-040115-011		4/1/15		1345			
TB-18036-040115-001		4/1/15		-		2 2 - -	
Temp blank in cooler		-		-			
Required in business days (use separate COCs for different TAT's):		SSOW		Total Number of Containers: 30		Notes/Special Requirements: PH also field measured. See COC page 666, 1007, have elevated PH	
Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week <input type="checkbox"/> Other Per		COMPANY		TIME		RECEIVED BY	
REQUISITION BY		DATE		TIME		COMPANY	
[Signature]		4/1/15		1530		[Signature]	
COMPANY		DATE		TIME		RECEIVED BY	
CRA		4/1/15		1530		[Signature]	
DATE		TIME		RECEIVED BY		COMPANY	
4/1/15		1530		[Signature]		CRA	



180-42657 Chain of Custody

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

WHITE - Fully Executed Copy (CRA)
 YELLOW - Receiving Laboratory Copy
 PINK - Shipper
 GOLDENROD - Sampling Crew
 CRA Form

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-42657-1

Login Number: 42657

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Kovitch, Christina M

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



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: 180-45232-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

7/6/2015 2:00:43 PM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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.

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Job ID: 180-45232-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-45232-1

Receipt

The samples were received on 6/19/2015 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.0° C and 4.3° C.

The chain of custody did not list a sampling time for sample TB-18036-061815-01. The earliest sample time was logged in for this sample.

The chain of custody listed a sampling time of 10:15 for sample SW-18036-061815-004 and 10:00 for sample SW-18036-061815-005. The sample containers listed the times as 10:00 and 10:15 respectively. The sampling times were logged on off of the chain of custody.

GC/MS VOA

The following samples was diluted to bring the concentration of target analytes within the calibration range: SW-18036-061815-004 (180-45232-4), SW-18036-061815-005 (180-45232-5), SW-18036-061815-006 (180-45232-6), SW-18036-061815-007 (180-45232-7) and SW-18036-061815-008 (180-45232-8). Elevated reporting limits are provided.

Metals

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

General Chemistry

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

Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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.
E	Result exceeded calibration range.

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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
♠	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-16

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-45232-1	SW-18036-061815-001	Water	06/18/15 08:45	06/19/15 09:15
180-45232-2	SW-18036-061815-002	Water	06/18/15 09:15	06/19/15 09:15
180-45232-3	SW-18036-061815-003	Water	06/18/15 09:45	06/19/15 09:15
180-45232-4	SW-18036-061815-004	Water	06/18/15 10:15	06/19/15 09:15
180-45232-5	SW-18036-061815-005	Water	06/18/15 10:00	06/19/15 09:15
180-45232-6	SW-18036-061815-006	Water	06/18/15 10:45	06/19/15 09:15
180-45232-7	SW-18036-061815-007	Water	06/18/15 10:45	06/19/15 09:15
180-45232-8	SW-18036-061815-008	Water	06/18/15 11:30	06/19/15 09:15
180-45232-9	SW-18036-061815-009	Water	06/18/15 12:00	06/19/15 09:15
180-45232-10	SW-18036-061815-010	Water	06/18/15 13:00	06/19/15 09:15
180-45232-11	SW-18036-061815-011	Water	06/18/15 13:30	06/19/15 09:15
180-45232-12	TB-18036-061815-01	Water	06/18/15 08:45	06/19/15 09:15



Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-001

Lab Sample ID: 180-45232-1

Date Collected: 06/18/15 08:45

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/22/15 23:01	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 19:59	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 17:52	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-061815-002

Lab Sample ID: 180-45232-2

Date Collected: 06/18/15 09:15

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/22/15 23:48	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 20:29	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 17:56	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-061815-003

Lab Sample ID: 180-45232-3

Date Collected: 06/18/15 09:45

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/23/15 00:36	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	5	5 mL	5 mL	145806	06/23/15 15:17	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 20:35	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 17:58	RJ	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-004

Lab Sample ID: 180-45232-4

Date Collected: 06/18/15 10:15

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/23/15 01:23	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	5	5 mL	5 mL	145954	06/24/15 22:42	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 20:40	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:00	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-061815-005

Lab Sample ID: 180-45232-5

Date Collected: 06/18/15 10:00

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/23/15 02:11	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	5	5 mL	5 mL	145954	06/24/15 23:06	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 20:45	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:02	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-061815-006

Lab Sample ID: 180-45232-6

Date Collected: 06/18/15 10:45

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/23/15 02:58	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	10	5 mL	5 mL	145954	06/24/15 23:30	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 20:51	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-006

Lab Sample ID: 180-45232-6

Date Collected: 06/18/15 10:45

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:04	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-061815-007

Lab Sample ID: 180-45232-7

Date Collected: 06/18/15 10:45

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/23/15 03:45	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	10	5 mL	5 mL	145954	06/24/15 23:53	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 20:56	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:06	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-061815-008

Lab Sample ID: 180-45232-8

Date Collected: 06/18/15 11:30

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/23/15 04:33	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	50	5 mL	5 mL	145954	06/25/15 00:17	PJJ	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 21:01	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:08	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-061815-009

Lab Sample ID: 180-45232-9

Date Collected: 06/18/15 12:00

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/22/15 12:19	PJJ	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-009

Lab Sample ID: 180-45232-9

Date Collected: 06/18/15 12:00

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/22/15 12:19	PJJ	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 21:16	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:10	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-061815-010

Lab Sample ID: 180-45232-10

Date Collected: 06/18/15 13:00

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145806	06/23/15 11:59	PJJ	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 21:37	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:15	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-061815-011

Lab Sample ID: 180-45232-11

Date Collected: 06/18/15 13:30

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/23/15 06:08	PJJ	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	145713	06/22/15 09:11	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	146160	06/25/15 21:42	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	145867	06/23/15 11:32	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	145780	06/22/15 18:17	RJ	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: TB-18036-061815-01

Lab Sample ID: 180-45232-12

Date Collected: 06/18/15 08:45

Matrix: Water

Date Received: 06/19/15 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	145690	06/22/15 11:56	PJJ	TAL PIT
Instrument ID: CHHP5										

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

AB1 = Ashwin Baikadi

Batch Type: Analysis

JWS = Jim Swanson

PJJ = Patrick Journet

RJ = Rebekah Jaquay

RJG = Rob Good

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-001

Lab Sample ID: 180-45232-1

Date Collected: 06/18/15 08:45

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/22/15 23:01	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/22/15 23:01	1
Toluene	1.0	U	1.0	0.15	ug/L			06/22/15 23:01	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/22/15 23:01	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/22/15 23:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/22/15 23:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/22/15 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 135		06/22/15 23:01	1
4-Bromofluorobenzene (Surr)	83		62 - 123		06/22/15 23:01	1
Toluene-d8 (Surr)	94		71 - 118		06/22/15 23:01	1
Dibromofluoromethane (Surr)	106		64 - 128		06/22/15 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 19:59	1
Chromium	5.0	U	5.0	0.77	ug/L		06/22/15 09:11	06/25/15 19:59	1
Lead	10	U	10	1.2	ug/L		06/22/15 09:11	06/25/15 19:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	0.50		0.50	0.50	mg/L			06/23/15 11:32	1
pH	8.12	HF	0.100	0.100	SU			06/22/15 17:52	1

Client Sample ID: SW-18036-061815-002

Lab Sample ID: 180-45232-2

Date Collected: 06/18/15 09:15

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/22/15 23:48	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/22/15 23:48	1
Toluene	1.0	U	1.0	0.15	ug/L			06/22/15 23:48	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/22/15 23:48	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/22/15 23:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/22/15 23:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/22/15 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 135		06/22/15 23:48	1
4-Bromofluorobenzene (Surr)	87		62 - 123		06/22/15 23:48	1
Toluene-d8 (Surr)	96		71 - 118		06/22/15 23:48	1
Dibromofluoromethane (Surr)	109		64 - 128		06/22/15 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 20:29	1
Chromium	5.0	U	5.0	0.77	ug/L		06/22/15 09:11	06/25/15 20:29	1
Lead	10	U	10	1.2	ug/L		06/22/15 09:11	06/25/15 20:29	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-002

Lab Sample ID: 180-45232-2

Date Collected: 06/18/15 09:15

Matrix: Water

Date Received: 06/19/15 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	7.3		0.50	0.50	mg/L			06/23/15 11:32	1
pH	8.08	HF	0.100	0.100	SU			06/22/15 17:56	1

Client Sample ID: SW-18036-061815-003

Lab Sample ID: 180-45232-3

Date Collected: 06/18/15 09:45

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 00:36	1
Tetrachloroethene	12		1.0	0.15	ug/L			06/23/15 00:36	1
Toluene	0.16	J	1.0	0.15	ug/L			06/23/15 00:36	1
Trichloroethene	73	E	1.0	0.14	ug/L			06/23/15 00:36	1
Vinyl chloride	1.2		1.0	0.23	ug/L			06/23/15 00:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 00:36	1
cis-1,2-Dichloroethene	32		1.0	0.24	ug/L			06/23/15 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		58 - 135					06/23/15 00:36	1
4-Bromofluorobenzene (Surr)	90		62 - 123					06/23/15 00:36	1
Toluene-d8 (Surr)	98		71 - 118					06/23/15 00:36	1
Dibromofluoromethane (Surr)	105		64 - 128					06/23/15 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	0.75	ug/L			06/23/15 15:17	5
Tetrachloroethene	8.6		5.0	0.74	ug/L			06/23/15 15:17	5
Toluene	5.0	U	5.0	0.75	ug/L			06/23/15 15:17	5
Trichloroethene	55		5.0	0.72	ug/L			06/23/15 15:17	5
Vinyl chloride	1.3	J	5.0	1.1	ug/L			06/23/15 15:17	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			06/23/15 15:17	5
cis-1,2-Dichloroethene	25		5.0	1.2	ug/L			06/23/15 15:17	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		58 - 135					06/23/15 15:17	5
4-Bromofluorobenzene (Surr)	100		62 - 123					06/23/15 15:17	5
Toluene-d8 (Surr)	104		71 - 118					06/23/15 15:17	5
Dibromofluoromethane (Surr)	97		64 - 128					06/23/15 15:17	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 20:35	1
Chromium	5.3		5.0	0.77	ug/L		06/22/15 09:11	06/25/15 20:35	1
Lead	1.9	J	10	1.2	ug/L		06/22/15 09:11	06/25/15 20:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	18		0.50	0.50	mg/L			06/23/15 11:32	1
pH	11.5	HF	0.100	0.100	SU			06/22/15 17:58	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-004

Lab Sample ID: 180-45232-4

Date Collected: 06/18/15 10:15

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 01:23	1
Tetrachloroethene	1.2		1.0	0.15	ug/L			06/23/15 01:23	1
Toluene	1.0	U	1.0	0.15	ug/L			06/23/15 01:23	1
Trichloroethene	95	E	1.0	0.14	ug/L			06/23/15 01:23	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/23/15 01:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 01:23	1
cis-1,2-Dichloroethene	11		1.0	0.24	ug/L			06/23/15 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 135		06/23/15 01:23	1
4-Bromofluorobenzene (Surr)	86		62 - 123		06/23/15 01:23	1
Toluene-d8 (Surr)	97		71 - 118		06/23/15 01:23	1
Dibromofluoromethane (Surr)	109		64 - 128		06/23/15 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	0.75	ug/L			06/24/15 22:42	5
Tetrachloroethene	5.0	U	5.0	0.74	ug/L			06/24/15 22:42	5
Toluene	5.0	U	5.0	0.75	ug/L			06/24/15 22:42	5
Trichloroethene	74		5.0	0.72	ug/L			06/24/15 22:42	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			06/24/15 22:42	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			06/24/15 22:42	5
cis-1,2-Dichloroethene	9.4		5.0	1.2	ug/L			06/24/15 22:42	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		06/24/15 22:42	5
4-Bromofluorobenzene (Surr)	94		62 - 123		06/24/15 22:42	5
Toluene-d8 (Surr)	95		71 - 118		06/24/15 22:42	5
Dibromofluoromethane (Surr)	107		64 - 128		06/24/15 22:42	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 20:40	1
Chromium	1.9	J	5.0	0.77	ug/L		06/22/15 09:11	06/25/15 20:40	1
Lead	1.2	J	10	1.2	ug/L		06/22/15 09:11	06/25/15 20:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	0.50		0.50	0.50	mg/L			06/23/15 11:32	1
pH	8.36	HF	0.100	0.100	SU			06/22/15 18:00	1

Client Sample ID: SW-18036-061815-005

Lab Sample ID: 180-45232-5

Date Collected: 06/18/15 10:00

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 02:11	1
Tetrachloroethene	10		1.0	0.15	ug/L			06/23/15 02:11	1
Toluene	0.16	J	1.0	0.15	ug/L			06/23/15 02:11	1
Trichloroethene	71	E	1.0	0.14	ug/L			06/23/15 02:11	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-005

Lab Sample ID: 180-45232-5

Date Collected: 06/18/15 10:00

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.1		1.0	0.23	ug/L			06/23/15 02:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 02:11	1
cis-1,2-Dichloroethene	31		1.0	0.24	ug/L			06/23/15 02:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 135					06/23/15 02:11	1
4-Bromofluorobenzene (Surr)	84		62 - 123					06/23/15 02:11	1
Toluene-d8 (Surr)	95		71 - 118					06/23/15 02:11	1
Dibromofluoromethane (Surr)	106		64 - 128					06/23/15 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	0.75	ug/L			06/24/15 23:06	5
Tetrachloroethene	7.8		5.0	0.74	ug/L			06/24/15 23:06	5
Toluene	5.0	U	5.0	0.75	ug/L			06/24/15 23:06	5
Trichloroethene	57		5.0	0.72	ug/L			06/24/15 23:06	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			06/24/15 23:06	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			06/24/15 23:06	5
cis-1,2-Dichloroethene	26		5.0	1.2	ug/L			06/24/15 23:06	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135					06/24/15 23:06	5
4-Bromofluorobenzene (Surr)	94		62 - 123					06/24/15 23:06	5
Toluene-d8 (Surr)	95		71 - 118					06/24/15 23:06	5
Dibromofluoromethane (Surr)	105		64 - 128					06/24/15 23:06	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 20:45	1
Chromium	5.5		5.0	0.77	ug/L		06/22/15 09:11	06/25/15 20:45	1
Lead	10	U	10	1.2	ug/L		06/22/15 09:11	06/25/15 20:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	36		0.50	0.50	mg/L			06/23/15 11:32	1
pH	11.4	HF	0.100	0.100	SU			06/22/15 18:02	1

Client Sample ID: SW-18036-061815-006

Lab Sample ID: 180-45232-6

Date Collected: 06/18/15 10:45

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 02:58	1
Tetrachloroethene	0.91	J	1.0	0.15	ug/L			06/23/15 02:58	1
Toluene	1.0	U	1.0	0.15	ug/L			06/23/15 02:58	1
Trichloroethene	130	E	1.0	0.14	ug/L			06/23/15 02:58	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/23/15 02:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 02:58	1
cis-1,2-Dichloroethene	16		1.0	0.24	ug/L			06/23/15 02:58	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-006

Lab Sample ID: 180-45232-6

Date Collected: 06/18/15 10:45

Matrix: Water

Date Received: 06/19/15 09:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		58 - 135		06/23/15 02:58	1
4-Bromofluorobenzene (Surr)	86		62 - 123		06/23/15 02:58	1
Toluene-d8 (Surr)	97		71 - 118		06/23/15 02:58	1
Dibromofluoromethane (Surr)	105		64 - 128		06/23/15 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	10	U	10	1.5	ug/L			06/24/15 23:30	10
Tetrachloroethene	10	U	10	1.5	ug/L			06/24/15 23:30	10
Toluene	10	U	10	1.5	ug/L			06/24/15 23:30	10
Trichloroethene	110		10	1.4	ug/L			06/24/15 23:30	10
Vinyl chloride	10	U	10	2.3	ug/L			06/24/15 23:30	10
1,2-Dichlorobenzene	10	U	10	1.5	ug/L			06/24/15 23:30	10
cis-1,2-Dichloroethene	10	U	10	2.4	ug/L			06/24/15 23:30	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		06/24/15 23:30	10
4-Bromofluorobenzene (Surr)	90		62 - 123		06/24/15 23:30	10
Toluene-d8 (Surr)	94		71 - 118		06/24/15 23:30	10
Dibromofluoromethane (Surr)	108		64 - 128		06/24/15 23:30	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 20:51	1
Chromium	5.6		5.0	0.77	ug/L		06/22/15 09:11	06/25/15 20:51	1
Lead	1.7	J	10	1.2	ug/L		06/22/15 09:11	06/25/15 20:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	33		0.50	0.50	mg/L			06/23/15 11:32	1
pH	8.96	HF	0.100	0.100	SU			06/22/15 18:04	1

Client Sample ID: SW-18036-061815-007

Lab Sample ID: 180-45232-7

Date Collected: 06/18/15 10:45

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 03:45	1
Tetrachloroethene	0.96	J	1.0	0.15	ug/L			06/23/15 03:45	1
Toluene	1.0	U	1.0	0.15	ug/L			06/23/15 03:45	1
Trichloroethene	120	E	1.0	0.14	ug/L			06/23/15 03:45	1
Vinyl chloride	0.90	J	1.0	0.23	ug/L			06/23/15 03:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 03:45	1
cis-1,2-Dichloroethene	16		1.0	0.24	ug/L			06/23/15 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		58 - 135		06/23/15 03:45	1
4-Bromofluorobenzene (Surr)	85		62 - 123		06/23/15 03:45	1
Toluene-d8 (Surr)	99		71 - 118		06/23/15 03:45	1
Dibromofluoromethane (Surr)	109		64 - 128		06/23/15 03:45	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-007

Lab Sample ID: 180-45232-7

Date Collected: 06/18/15 10:45

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	10	U	10	1.5	ug/L			06/24/15 23:53	10
Tetrachloroethene	10	U	10	1.5	ug/L			06/24/15 23:53	10
Toluene	10	U	10	1.5	ug/L			06/24/15 23:53	10
Trichloroethene	110		10	1.4	ug/L			06/24/15 23:53	10
Vinyl chloride	10	U	10	2.3	ug/L			06/24/15 23:53	10
1,2-Dichlorobenzene	10	U	10	1.5	ug/L			06/24/15 23:53	10
cis-1,2-Dichloroethene	14		10	2.4	ug/L			06/24/15 23:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		58 - 135		06/24/15 23:53	10
4-Bromofluorobenzene (Surr)	97		62 - 123		06/24/15 23:53	10
Toluene-d8 (Surr)	97		71 - 118		06/24/15 23:53	10
Dibromofluoromethane (Surr)	108		64 - 128		06/24/15 23:53	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 20:56	1
Chromium	5.8		5.0	0.77	ug/L		06/22/15 09:11	06/25/15 20:56	1
Lead	2.8	J	10	1.2	ug/L		06/22/15 09:11	06/25/15 20:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	24		0.50	0.50	mg/L			06/23/15 11:32	1
pH	8.94	HF	0.100	0.100	SU			06/22/15 18:06	1

Client Sample ID: SW-18036-061815-008

Lab Sample ID: 180-45232-8

Date Collected: 06/18/15 11:30

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 04:33	1
Tetrachloroethene	0.87	J	1.0	0.15	ug/L			06/23/15 04:33	1
Toluene	1.0	U	1.0	0.15	ug/L			06/23/15 04:33	1
Trichloroethene	590	E	1.0	0.14	ug/L			06/23/15 04:33	1
Vinyl chloride	0.44	J	1.0	0.23	ug/L			06/23/15 04:33	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 04:33	1
cis-1,2-Dichloroethene	58	E	1.0	0.24	ug/L			06/23/15 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 135		06/23/15 04:33	1
4-Bromofluorobenzene (Surr)	86		62 - 123		06/23/15 04:33	1
Toluene-d8 (Surr)	98		71 - 118		06/23/15 04:33	1
Dibromofluoromethane (Surr)	110		64 - 128		06/23/15 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	50	U	50	7.5	ug/L			06/25/15 00:17	50
Tetrachloroethene	50	U	50	7.4	ug/L			06/25/15 00:17	50
Toluene	50	U	50	7.5	ug/L			06/25/15 00:17	50
Trichloroethene	1300		50	7.2	ug/L			06/25/15 00:17	50

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-008

Lab Sample ID: 180-45232-8

Date Collected: 06/18/15 11:30

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	50	U	50	11	ug/L			06/25/15 00:17	50
1,2-Dichlorobenzene	50	U	50	7.6	ug/L			06/25/15 00:17	50
cis-1,2-Dichloroethene	73		50	12	ug/L			06/25/15 00:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		06/25/15 00:17	50
4-Bromofluorobenzene (Surr)	94		62 - 123		06/25/15 00:17	50
Toluene-d8 (Surr)	95		71 - 118		06/25/15 00:17	50
Dibromofluoromethane (Surr)	108		64 - 128		06/25/15 00:17	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 21:01	1
Chromium	0.88	J	5.0	0.77	ug/L		06/22/15 09:11	06/25/15 21:01	1
Lead	1.3	J	10	1.2	ug/L		06/22/15 09:11	06/25/15 21:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.2		0.50	0.50	mg/L			06/23/15 11:32	1
pH	7.93	HF	0.100	0.100	SU			06/22/15 18:08	1

Client Sample ID: SW-18036-061815-009

Lab Sample ID: 180-45232-9

Date Collected: 06/18/15 12:00

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/22/15 12:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/22/15 12:19	1
Toluene	1.0	U	1.0	0.15	ug/L			06/22/15 12:19	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/22/15 12:19	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/22/15 12:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/22/15 12:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/22/15 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		06/22/15 12:19	1
4-Bromofluorobenzene (Surr)	99		62 - 123		06/22/15 12:19	1
Toluene-d8 (Surr)	99		71 - 118		06/22/15 12:19	1
Dibromofluoromethane (Surr)	104		64 - 128		06/22/15 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 21:16	1
Chromium	3.9	J	5.0	0.77	ug/L		06/22/15 09:11	06/25/15 21:16	1
Lead	2.3	J	10	1.2	ug/L		06/22/15 09:11	06/25/15 21:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	330		2.0	2.0	mg/L			06/23/15 11:32	1
pH	7.68	HF	0.100	0.100	SU			06/22/15 18:10	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-010

Lab Sample ID: 180-45232-10

Date Collected: 06/18/15 13:00

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 11:59	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/23/15 11:59	1
Toluene	1.0	U	1.0	0.15	ug/L			06/23/15 11:59	1
Trichloroethene	0.60	J	1.0	0.14	ug/L			06/23/15 11:59	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/23/15 11:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 11:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/23/15 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		58 - 135		06/23/15 11:59	1
4-Bromofluorobenzene (Surr)	84		62 - 123		06/23/15 11:59	1
Toluene-d8 (Surr)	97		71 - 118		06/23/15 11:59	1
Dibromofluoromethane (Surr)	109		64 - 128		06/23/15 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 21:37	1
Chromium	7.5		5.0	0.77	ug/L		06/22/15 09:11	06/25/15 21:37	1
Lead	1.2	J	10	1.2	ug/L		06/22/15 09:11	06/25/15 21:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0		0.50	0.50	mg/L			06/23/15 11:32	1
pH	7.81	HF	0.100	0.100	SU			06/22/15 18:15	1

Client Sample ID: SW-18036-061815-011

Lab Sample ID: 180-45232-11

Date Collected: 06/18/15 13:30

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 06:08	1
Tetrachloroethene	2.4		1.0	0.15	ug/L			06/23/15 06:08	1
Toluene	1.0	U	1.0	0.15	ug/L			06/23/15 06:08	1
Trichloroethene	0.25	J	1.0	0.14	ug/L			06/23/15 06:08	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/23/15 06:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 06:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/23/15 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		58 - 135		06/23/15 06:08	1
4-Bromofluorobenzene (Surr)	84		62 - 123		06/23/15 06:08	1
Toluene-d8 (Surr)	93		71 - 118		06/23/15 06:08	1
Dibromofluoromethane (Surr)	111		64 - 128		06/23/15 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.3	J	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 21:42	1
Chromium	5.0	U	5.0	0.77	ug/L		06/22/15 09:11	06/25/15 21:42	1
Lead	10	U	10	1.2	ug/L		06/22/15 09:11	06/25/15 21:42	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Client Sample ID: SW-18036-061815-011

Lab Sample ID: 180-45232-11

Date Collected: 06/18/15 13:30

Matrix: Water

Date Received: 06/19/15 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.2		0.50	0.50	mg/L			06/23/15 11:32	1
pH	7.71	HF	0.100	0.100	SU			06/22/15 18:17	1

Client Sample ID: TB-18036-061815-01

Lab Sample ID: 180-45232-12

Date Collected: 06/18/15 08:45

Matrix: Water

Date Received: 06/19/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/22/15 11:56	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/22/15 11:56	1
Toluene	1.0	U	1.0	0.15	ug/L			06/22/15 11:56	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/22/15 11:56	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/22/15 11:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/22/15 11:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/22/15 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		58 - 135					06/22/15 11:56	1
4-Bromofluorobenzene (Surr)	67		62 - 123					06/22/15 11:56	1
Toluene-d8 (Surr)	75		71 - 118					06/22/15 11:56	1
Dibromofluoromethane (Surr)	79		64 - 128					06/22/15 11:56	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Lab Sample ID: MB 180-145690/33

Matrix: Water

Analysis Batch: 145690

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/22/15 22:36	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/22/15 22:36	1
Toluene	1.0	U	1.0	0.15	ug/L			06/22/15 22:36	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/22/15 22:36	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/22/15 22:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/22/15 22:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/22/15 22:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		58 - 135		06/22/15 22:36	1
4-Bromofluorobenzene (Surr)	85		62 - 123		06/22/15 22:36	1
Toluene-d8 (Surr)	94		71 - 118		06/22/15 22:36	1
Dibromofluoromethane (Surr)	110		64 - 128		06/22/15 22:36	1

Lab Sample ID: MB 180-145690/5

Matrix: Water

Analysis Batch: 145690

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/22/15 11:12	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/22/15 11:12	1
Toluene	1.0	U	1.0	0.15	ug/L			06/22/15 11:12	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/22/15 11:12	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/22/15 11:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/22/15 11:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/22/15 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		06/22/15 11:12	1
4-Bromofluorobenzene (Surr)	85		62 - 123		06/22/15 11:12	1
Toluene-d8 (Surr)	98		71 - 118		06/22/15 11:12	1
Dibromofluoromethane (Surr)	95		64 - 128		06/22/15 11:12	1

Lab Sample ID: LCS 180-145690/1002

Matrix: Water

Analysis Batch: 145690

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	7.25		ug/L		72	60 - 140
Tetrachloroethene	10.0	9.47		ug/L		95	73 - 127
Toluene	10.0	9.56		ug/L		96	74 - 126
Trichloroethene	10.0	8.52		ug/L		85	73 - 125
Vinyl chloride	10.0	9.49		ug/L		95	30 - 140
1,2-Dichlorobenzene	10.0	9.21		ug/L		92	68 - 127
cis-1,2-Dichloroethene	10.0	8.35		ug/L		83	69 - 127

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Lab Sample ID: LCS 180-145690/1002
Matrix: Water
Analysis Batch: 145690

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

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	84		58 - 135
4-Bromofluorobenzene (Surr)	112		62 - 123
Toluene-d8 (Surr)	97		71 - 118
Dibromofluoromethane (Surr)	87		64 - 128

Lab Sample ID: 180-45232-9 MS
Matrix: Water
Analysis Batch: 145690

Client Sample ID: SW-18036-061815-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Methylene Chloride	1.0	U	10.0	6.79		ug/L		68	60 - 140
Tetrachloroethene	1.0	U	10.0	9.11		ug/L		91	73 - 127
Toluene	1.0	U	10.0	9.10		ug/L		91	74 - 126
Trichloroethene	1.0	U	10.0	8.53		ug/L		85	73 - 125
Vinyl chloride	1.0	U	10.0	9.11		ug/L		91	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.09		ug/L		91	68 - 127
cis-1,2-Dichloroethene	1.0	U	10.0	8.41		ug/L		84	69 - 127

Surrogate	MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	88		58 - 135
4-Bromofluorobenzene (Surr)	94		62 - 123
Toluene-d8 (Surr)	95		71 - 118
Dibromofluoromethane (Surr)	91		64 - 128

Lab Sample ID: 180-45232-9 MSD
Matrix: Water
Analysis Batch: 145690

Client Sample ID: SW-18036-061815-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
Methylene Chloride	1.0	U	10.0	7.36		ug/L		74	60 - 140	8	25
Tetrachloroethene	1.0	U	10.0	8.97		ug/L		90	73 - 127	2	25
Toluene	1.0	U	10.0	9.16		ug/L		92	74 - 126	1	25
Trichloroethene	1.0	U	10.0	8.75		ug/L		87	73 - 125	3	25
Vinyl chloride	1.0	U	10.0	9.03		ug/L		90	30 - 140	1	35
1,2-Dichlorobenzene	1.0	U	10.0	9.15		ug/L		91	68 - 127	1	35
cis-1,2-Dichloroethene	1.0	U	10.0	8.70		ug/L		87	69 - 127	3	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	97		62 - 123
Toluene-d8 (Surr)	95		71 - 118
Dibromofluoromethane (Surr)	92		64 - 128

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Lab Sample ID: MB 180-145806/5

Matrix: Water

Analysis Batch: 145806

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/23/15 10:33	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/23/15 10:33	1
Toluene	1.0	U	1.0	0.15	ug/L			06/23/15 10:33	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/23/15 10:33	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/23/15 10:33	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/23/15 10:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/23/15 10:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		06/23/15 10:33	1
4-Bromofluorobenzene (Surr)	80		62 - 123		06/23/15 10:33	1
Toluene-d8 (Surr)	98		71 - 118		06/23/15 10:33	1
Dibromofluoromethane (Surr)	101		64 - 128		06/23/15 10:33	1

Lab Sample ID: LCS 180-145806/1003

Matrix: Water

Analysis Batch: 145806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	8.99		ug/L		90	60 - 140
Tetrachloroethene	10.0	8.84		ug/L		88	73 - 127
Toluene	10.0	9.27		ug/L		93	74 - 126
Trichloroethene	10.0	8.15		ug/L		81	73 - 125
Vinyl chloride	10.0	8.55		ug/L		85	30 - 140
1,2-Dichlorobenzene	10.0	9.17		ug/L		92	68 - 127
cis-1,2-Dichloroethene	10.0	8.34		ug/L		83	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		58 - 135
4-Bromofluorobenzene (Surr)	102		62 - 123
Toluene-d8 (Surr)	100		71 - 118
Dibromofluoromethane (Surr)	98		64 - 128

Lab Sample ID: 180-45232-10 MS

Matrix: Water

Analysis Batch: 145806

Client Sample ID: SW-18036-061815-010

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	1.0	U	10.0	7.32		ug/L		73	60 - 140
Tetrachloroethene	1.0	U	10.0	9.50		ug/L		95	73 - 127
Toluene	1.0	U	10.0	9.81		ug/L		98	74 - 126
Trichloroethene	0.60	J	10.0	8.99		ug/L		84	73 - 125
Vinyl chloride	1.0	U	10.0	10.1		ug/L		101	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.81		ug/L		98	68 - 127
cis-1,2-Dichloroethene	1.0	U	10.0	9.54		ug/L		95	69 - 127

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Lab Sample ID: 180-45232-10 MS
Matrix: Water
Analysis Batch: 145806

Client Sample ID: SW-18036-061815-010
Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		58 - 135
4-Bromofluorobenzene (Surr)	96		62 - 123
Toluene-d8 (Surr)	99		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

Lab Sample ID: MB 180-145954/26
Matrix: Water
Analysis Batch: 145954

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	1.0	U	1.0	0.15	ug/L			06/24/15 20:43	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/24/15 20:43	1
Toluene	1.0	U	1.0	0.15	ug/L			06/24/15 20:43	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/24/15 20:43	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/24/15 20:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/24/15 20:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/24/15 20:43	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		06/24/15 20:43	1
4-Bromofluorobenzene (Surr)	92		62 - 123		06/24/15 20:43	1
Toluene-d8 (Surr)	98		71 - 118		06/24/15 20:43	1
Dibromofluoromethane (Surr)	106		64 - 128		06/24/15 20:43	1

Lab Sample ID: LCS 180-145954/1003
Matrix: Water
Analysis Batch: 145954

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	10.0	10.3		ug/L		103	73 - 127
Toluene	10.0	10.5		ug/L		105	74 - 126
Trichloroethene	10.0	9.27		ug/L		93	73 - 125
Vinyl chloride	10.0	10.1		ug/L		101	30 - 140
1,2-Dichlorobenzene	10.0	9.56		ug/L		96	68 - 127
cis-1,2-Dichloroethene	10.0	9.85		ug/L		99	69 - 127

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	94		58 - 135
4-Bromofluorobenzene (Surr)	104		62 - 123
Toluene-d8 (Surr)	104		71 - 118
Dibromofluoromethane (Surr)	95		64 - 128

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Lab Sample ID: 180-45216-B-4 MS

Matrix: Water

Analysis Batch: 145954

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				
Methylene Chloride	1.0	U	10.0	7.42		ug/L		74	60 - 140
Tetrachloroethene	0.71	J	10.0	9.93		ug/L		92	73 - 127
Toluene	1.0	U	10.0	9.78		ug/L		98	74 - 126
Trichloroethene	0.25	J	10.0	9.45		ug/L		92	73 - 125
Vinyl chloride	1.0	U	10.0	10.2		ug/L		102	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.34		ug/L		93	68 - 127
cis-1,2-Dichloroethene			10.0	10.2		ug/L			

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	96		62 - 123
Toluene-d8 (Surr)	101		71 - 118
Dibromofluoromethane (Surr)	97		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-145713/1-A

Matrix: Water

Analysis Batch: 146160

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 145713

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		06/22/15 09:11	06/25/15 19:49	1
Chromium	5.0	U	5.0	0.77	ug/L		06/22/15 09:11	06/25/15 19:49	1
Lead	10	U	10	1.2	ug/L		06/22/15 09:11	06/25/15 19:49	1

Lab Sample ID: LCS 180-145713/2-A

Matrix: Water

Analysis Batch: 146160

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 145713

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
Cadmium	50.0	48.8		ug/L		98	85 - 115
Chromium	200	196		ug/L		98	85 - 115
Lead	500	487		ug/L		97	85 - 115

Lab Sample ID: 180-45232-1 MS

Matrix: Water

Analysis Batch: 146160

Client Sample ID: SW-18036-061815-001

Prep Type: Total Recoverable

Prep Batch: 145713

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				
Cadmium	5.0	U	50.0	51.7		ug/L		103	70 - 130
Chromium	5.0	U	200	197		ug/L		99	70 - 130
Lead	10	U	500	501		ug/L		100	70 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Lab Sample ID: 180-45232-1 MSD
Matrix: Water
Analysis Batch: 146160

Client Sample ID: SW-18036-061815-001
Prep Type: Total Recoverable
Prep Batch: 145713

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Cadmium	5.0	U	50.0	51.8		ug/L		104	70 - 130	0	20
Chromium	5.0	U	200	199		ug/L		99	70 - 130	1	20
Lead	10	U	500	504		ug/L		101	70 - 130	0	20

Lab Sample ID: 180-45232-9 MS
Matrix: Water
Analysis Batch: 146160

Client Sample ID: SW-18036-061815-009
Prep Type: Total Recoverable
Prep Batch: 145713

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Cadmium	5.0	U	50.0	51.2		ug/L		102	70 - 130		
Chromium	3.9	J	200	210		ug/L		103	70 - 130		
Lead	2.3	J	500	525		ug/L		105	70 - 130		

Lab Sample ID: 180-45232-9 MSD
Matrix: Water
Analysis Batch: 146160

Client Sample ID: SW-18036-061815-009
Prep Type: Total Recoverable
Prep Batch: 145713

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Cadmium	5.0	U	50.0	51.0		ug/L		102	70 - 130	0	20
Chromium	3.9	J	200	208		ug/L		102	70 - 130	1	20
Lead	2.3	J	500	512		ug/L		102	70 - 130	3	20

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

Lab Sample ID: MB 180-145867/2
Matrix: Water
Analysis Batch: 145867

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	0.50	U	0.50	0.50	mg/L			06/23/15 11:32	1

Lab Sample ID: LCS 180-145867/1
Matrix: Water
Analysis Batch: 145867

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
							Added
Total Suspended Solids	68.0	68.0		mg/L		100	80 - 120

Lab Sample ID: 180-45232-9 DU
Matrix: Water
Analysis Batch: 145867

Client Sample ID: SW-18036-061815-009
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Suspended Solids	330		347		mg/L		6	10

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

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

Lab Sample ID: 180-45248-A-2 DU
Matrix: Water
Analysis Batch: 145867

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	2.0		2.40	F5	mg/L		18	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-145780/1
Matrix: Water
Analysis Batch: 145780

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	6.970		SU		100	99 - 101

Lab Sample ID: 180-45232-1 DU
Matrix: Water
Analysis Batch: 145780

Client Sample ID: SW-18036-061815-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.12	HF	8.130		SU		0.1	2

Lab Sample ID: 180-45232-9 DU
Matrix: Water
Analysis Batch: 145780

Client Sample ID: SW-18036-061815-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.68	HF	7.650	HF	SU		0.4	2

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

GC/MS VOA

Analysis Batch: 145690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-1	SW-18036-061815-001	Total/NA	Water	624	
180-45232-2	SW-18036-061815-002	Total/NA	Water	624	
180-45232-3	SW-18036-061815-003	Total/NA	Water	624	
180-45232-4	SW-18036-061815-004	Total/NA	Water	624	
180-45232-5	SW-18036-061815-005	Total/NA	Water	624	
180-45232-6	SW-18036-061815-006	Total/NA	Water	624	
180-45232-7	SW-18036-061815-007	Total/NA	Water	624	
180-45232-8	SW-18036-061815-008	Total/NA	Water	624	
180-45232-9	SW-18036-061815-009	Total/NA	Water	624	
180-45232-9 MS	SW-18036-061815-009	Total/NA	Water	624	
180-45232-9 MSD	SW-18036-061815-009	Total/NA	Water	624	
180-45232-11	SW-18036-061815-011	Total/NA	Water	624	
180-45232-12	TB-18036-061815-01	Total/NA	Water	624	
LCS 180-145690/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-145690/33	Method Blank	Total/NA	Water	624	
MB 180-145690/5	Method Blank	Total/NA	Water	624	

Analysis Batch: 145806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-3 - DL	SW-18036-061815-003	Total/NA	Water	624	
180-45232-10	SW-18036-061815-010	Total/NA	Water	624	
180-45232-10 MS	SW-18036-061815-010	Total/NA	Water	624	
LCS 180-145806/1003	Lab Control Sample	Total/NA	Water	624	
MB 180-145806/5	Method Blank	Total/NA	Water	624	

Analysis Batch: 145954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45216-B-4 MS	Matrix Spike	Total/NA	Water	624	
180-45232-4 - DL	SW-18036-061815-004	Total/NA	Water	624	
180-45232-5 - DL	SW-18036-061815-005	Total/NA	Water	624	
180-45232-6 - DL	SW-18036-061815-006	Total/NA	Water	624	
180-45232-7 - DL	SW-18036-061815-007	Total/NA	Water	624	
180-45232-8 - DL	SW-18036-061815-008	Total/NA	Water	624	
LCS 180-145954/1003	Lab Control Sample	Total/NA	Water	624	
MB 180-145954/26	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 145713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-1	SW-18036-061815-001	Total Recoverable	Water	200.7	
180-45232-1 MS	SW-18036-061815-001	Total Recoverable	Water	200.7	
180-45232-1 MSD	SW-18036-061815-001	Total Recoverable	Water	200.7	
180-45232-2	SW-18036-061815-002	Total Recoverable	Water	200.7	
180-45232-3	SW-18036-061815-003	Total Recoverable	Water	200.7	
180-45232-4	SW-18036-061815-004	Total Recoverable	Water	200.7	
180-45232-5	SW-18036-061815-005	Total Recoverable	Water	200.7	
180-45232-6	SW-18036-061815-006	Total Recoverable	Water	200.7	
180-45232-7	SW-18036-061815-007	Total Recoverable	Water	200.7	
180-45232-8	SW-18036-061815-008	Total Recoverable	Water	200.7	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

Metals (Continued)

Prep Batch: 145713 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-9	SW-18036-061815-009	Total Recoverable	Water	200.7	
180-45232-9 MS	SW-18036-061815-009	Total Recoverable	Water	200.7	
180-45232-9 MSD	SW-18036-061815-009	Total Recoverable	Water	200.7	
180-45232-10	SW-18036-061815-010	Total Recoverable	Water	200.7	
180-45232-11	SW-18036-061815-011	Total Recoverable	Water	200.7	
LCS 180-145713/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-145713/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 146160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-1	SW-18036-061815-001	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-1 MS	SW-18036-061815-001	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-1 MSD	SW-18036-061815-001	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-2	SW-18036-061815-002	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-3	SW-18036-061815-003	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-4	SW-18036-061815-004	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-5	SW-18036-061815-005	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-6	SW-18036-061815-006	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-7	SW-18036-061815-007	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-8	SW-18036-061815-008	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-9	SW-18036-061815-009	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-9 MS	SW-18036-061815-009	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-9 MSD	SW-18036-061815-009	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-10	SW-18036-061815-010	Total Recoverable	Water	200.7 Rev 4.4	145713
180-45232-11	SW-18036-061815-011	Total Recoverable	Water	200.7 Rev 4.4	145713
LCS 180-145713/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	145713
MB 180-145713/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	145713

General Chemistry

Analysis Batch: 145780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-1	SW-18036-061815-001	Total/NA	Water	SM 4500 H+ B	
180-45232-1 DU	SW-18036-061815-001	Total/NA	Water	SM 4500 H+ B	
180-45232-2	SW-18036-061815-002	Total/NA	Water	SM 4500 H+ B	
180-45232-3	SW-18036-061815-003	Total/NA	Water	SM 4500 H+ B	
180-45232-4	SW-18036-061815-004	Total/NA	Water	SM 4500 H+ B	
180-45232-5	SW-18036-061815-005	Total/NA	Water	SM 4500 H+ B	
180-45232-6	SW-18036-061815-006	Total/NA	Water	SM 4500 H+ B	
180-45232-7	SW-18036-061815-007	Total/NA	Water	SM 4500 H+ B	
180-45232-8	SW-18036-061815-008	Total/NA	Water	SM 4500 H+ B	
180-45232-9	SW-18036-061815-009	Total/NA	Water	SM 4500 H+ B	
180-45232-9 DU	SW-18036-061815-009	Total/NA	Water	SM 4500 H+ B	
180-45232-10	SW-18036-061815-010	Total/NA	Water	SM 4500 H+ B	
180-45232-11	SW-18036-061815-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-145780/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 145867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-1	SW-18036-061815-001	Total/NA	Water	SM 2540D	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-45232-1

General Chemistry (Continued)

Analysis Batch: 145867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-45232-2	SW-18036-061815-002	Total/NA	Water	SM 2540D	
180-45232-3	SW-18036-061815-003	Total/NA	Water	SM 2540D	
180-45232-4	SW-18036-061815-004	Total/NA	Water	SM 2540D	
180-45232-5	SW-18036-061815-005	Total/NA	Water	SM 2540D	
180-45232-6	SW-18036-061815-006	Total/NA	Water	SM 2540D	
180-45232-7	SW-18036-061815-007	Total/NA	Water	SM 2540D	
180-45232-8	SW-18036-061815-008	Total/NA	Water	SM 2540D	
180-45232-9	SW-18036-061815-009	Total/NA	Water	SM 2540D	
180-45232-9 DU	SW-18036-061815-009	Total/NA	Water	SM 2540D	
180-45232-10	SW-18036-061815-010	Total/NA	Water	SM 2540D	
180-45232-11	SW-18036-061815-011	Total/NA	Water	SM 2540D	
180-45248-A-2 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 180-145867/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-145867/2	Method Blank	Total/NA	Water	SM 2540D	



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO: 48805

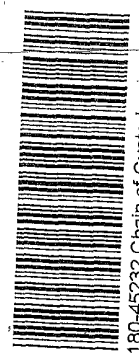
PAGE 1 OF 1

(See Reverse Side for Instructions)

Address: 2855 Niagara Falls Blvd Niagara Falls, NY

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

Project No/Phase/Task Code: 18036		Laboratory Name: Test America		Lab Location: Pittsburgh		SSOW ID: 1						
Project Name: Buffalo Airport Crackerly Sewer Sampling		Lab Contact: Jill Calussy		Lab Quote No: 18006817		Cooler No: 2 coolers						
Project Location: Cheektowage, NY		Chemistry Contact: Sue Srocchi		Carrier: Kedex		Airbill No: 1						
Sampler(s): Kevin Lynch; Doug Oscar		SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		ANALYSIS REQUESTED (See Back of COC for Definitions)		Date Shipped: 6/18/15						
Item	SAMPLE TYPE	CONTAINER QUANTITY & PRESERVATION	M/MSD Request	COMMENTS/SPECIAL INSTRUCTIONS:	TSS = 2x 12 bottles each sample							
DATE (mm/dd/yyyy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO3)	Sulfuric Acid (H2SO4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample
1	6/18/15	0845	WS	3	3	1						7
2	0915		WS	3	3	1						7
3	0945		WS	3	3	1						7
4	1015		WS	3	3	1						7
5	1000		WS	3	3	1						7
6	1045		WS	3	3	1						7
7	1045		WS	3	3	1						7
8	1130		WS	3	3	1						7
9	1200		WS	9	9	3						24
10	1300		WS	3	3	1						7
11	1300		WS	3	3	1						7
12	1330		WS	3	3	1						7
13			TB	-	2	2						2
14	Temp blank each cooler											
15												



180-45232 Chain of Custody

Notes/Special Requirements:
Field pH also measured

Total Number of Containers: 93
All Samples in Cooler must be on COC

RELINQUISHED BY	DATE	COMPANY	RECEIVED BY	DATE	COMPANY
<i>[Signature]</i>	6/18/15	CRA	<i>[Signature]</i>	6/19/15	TAP

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE -- Fully Executed Copy (CRA) | YELLOW -- Receiving Laboratory Copy | RINKS Shipper | GOLDENROD -- Sampling Crew | CRA Form: COC-108 (20110804)

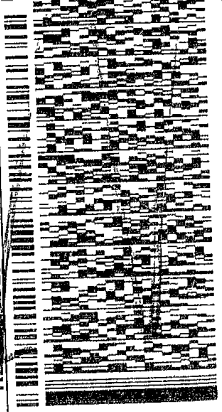


ORIGIN ID:DKKA (716) 297-2160
BRITT GEBHARDT
CRA SERVICES
2055 NIAGARA FALLS BLVD
NIAGARA FALLS, NY 14304
UNITED STATES US

10 SAMPLE CUSTODIAN
TEST AMERICA
301 ALPHA DRIVE

PITTSBURGH PA 152381330

(412) 963-7058
REF: 018036 - 2014 GEB (OSCAR)



FedEx Express



FRI - 19 JUN 10:30A
PRIORITY OVERNIGHT

2 of 3
MPS# 5849 9435 5250
Mstr# 5849 9 5249

NA
Uncorrected temp
Thermometer ID

15238
PA-US
PIT

CF L 32 °C

Initials ES

PT-WI-SR-001 effective 7/26/13

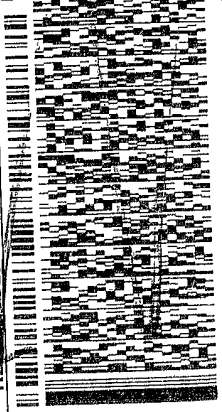
SHIP DATE: 18-JUN-15
ACTWT: 50.0 LB MAN
CAD: 68417/CAFE2807

BILL THIRD PARTY

180-45232 N/Axpbill

PITTSBURGH PA 152381330

(412) 963-7058
REF: 018036 - 2014 GEB (OSCAR)



FedEx Express



FRI - 19 JUN 10:30A
PRIORITY OVERNIGHT

3 of 3
MPS# 5849 9435 5260
Mstr# 5849 9435 5249

NA
Uncorrected temp
Thermometer ID

15238
PA-US
PIT

CF L 4.5 °C

Initials ES

PT-WI-SR-001 effective 7/26/13

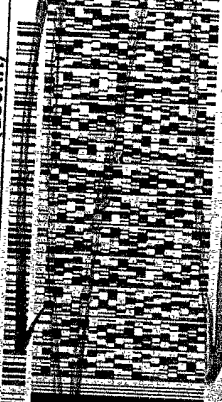
ORIGIN ID:DKKA (71F)
BRITT GEBHARDT
CRA SERVICES
2055 NIAGARA FALLS BLVD
NIAGARA FALLS, NY 14304
UNITED STATES US

BILL THIRD PARTY

180-45232 N/Axpbill

PITTSBURGH PA 152381330

(412) 963-7058
REF: 018036 - 2014 GEB (OSCAR)



FedEx Express



FRI - 19 JUN 10:30A
PRIORITY OVERNIGHT

3 of 3
MPS# 5849 9435 5260
Mstr# 5849 9435 5249

NA
Uncorrected temp
Thermometer ID

15238
PA-US
PIT

CF L 4.5 °C

Initials ES

PT-WI-SR-001 effective 7/26/13

RT 197 1 10:30 A
F 199 5260 06.19

RT 197 1 10:30 A
F 199 5260 06.19

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-45232-1

Login Number: 45232

List Number: 1

Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh

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



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: 180-47667-1

Client Project/Site: Buffalo Airport

Revision: 1

For:

Brausch Environmental LLC

5318 Alexa Road

Charlotte, North Carolina 28277

Attn: Leo Brausch



Authorized for release by:

11/14/2016 5:23:15 PM

Jill Colussy, Project Manager I

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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.

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

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Case Narrative

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Job ID: 180-47667-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-47667-1 REV1

Note

The client added analytes to method 624 after the report went out. A revised report (Rev1) was created.

Receipt

The samples were received on 9/11/2015 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7° C and 5.0° C.

The chain of custody did not list sampling times for TB-18036-091015-01. The earliest sample time was logged in.

GC/MS VOA

The following samples was diluted to bring the concentration of target analytes within the calibration range: WS-18036-091015-003 (180-47667-3), WS-18036-091015-004 (180-47667-4), WS-18036-091015-006 (180-47667-6) and WS-18036-091015-007 (180-47667-7). Elevated reporting limits (RLs) are provided.

Metals

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

General Chemistry

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

Definitions/Glossary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
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.
E	Result exceeded calibration range.
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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624		Water	1,2,4-Trichlorobenzene
624		Water	1,2-Dibromo-3-Chloropropane
624		Water	1,2-Dibromoethane (EDB)
624		Water	2-Butanone (MEK)
624		Water	2-Hexanone
624		Water	4-Methyl-2-pentanone (MIBK)
624		Water	Acetone
624		Water	Carbon disulfide
624		Water	Cyclohexane
624		Water	Isopropylbenzene
624		Water	Methyl acetate
624		Water	Methyl tert-butyl ether
624		Water	Methylcyclohexane
SM 4500 H+ B		Water	pH

Sample Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-47667-1	WS-18036-091015-001	Water	09/10/15 08:00	09/11/15 09:20
180-47667-2	WS-18036-091015-002	Water	09/10/15 08:30	09/11/15 09:20
180-47667-3	WS-18036-091015-003	Water	09/10/15 09:15	09/11/15 09:20
180-47667-4	WS-18036-091015-004	Water	09/10/15 09:15	09/11/15 09:20
180-47667-5	WS-18036-091015-005	Water	09/10/15 10:00	09/11/15 09:20
180-47667-6	WS-18036-091015-006	Water	09/10/15 10:10	09/11/15 09:20
180-47667-7	WS-18036-091015-007	Water	09/10/15 10:30	09/11/15 09:20
180-47667-8	WS-18036-091015-008	Water	09/10/15 10:50	09/11/15 09:20
180-47667-9	WS-18036-091015-009	Water	09/10/15 11:30	09/11/15 09:20
180-47667-10	WS-18036-091015-010	Water	09/10/15 12:15	09/11/15 09:20
180-47667-11	WS-18036-091015-011	Water	09/10/15 12:45	09/11/15 09:20
180-47667-12	TB-18036-091015-01	Water	09/10/15 08:00	09/11/15 09:20

Method Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-001

Lab Sample ID: 180-47667-1

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154014	09/17/15 22:17	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 15:59	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 13:41	JAS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-091015-002

Lab Sample ID: 180-47667-2

Date Collected: 09/10/15 08:30

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154014	09/17/15 22:42	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 16:36	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 13:45	JAS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-091015-003

Lab Sample ID: 180-47667-3

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624	DL	2	5 mL	5 mL	154282	09/21/15 18:37	DLF	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624		1	5 mL	5 mL	154014	09/17/15 23:06	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 16:41	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 13:50	JAS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-004

Lab Sample ID: 180-47667-4

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624	DL	2	5 mL	5 mL	154282	09/21/15 19:01	DLF	TAL PIT
	Instrument ID: CHHP5									
Total/NA	Analysis	624		1	5 mL	5 mL	154014	09/17/15 23:55	DLF	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 16:46	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 13:54	JAS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-18036-091015-005

Lab Sample ID: 180-47667-5

Date Collected: 09/10/15 10:00

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154282	09/21/15 19:25	DLF	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 16:52	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 13:59	JAS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-18036-091015-006

Lab Sample ID: 180-47667-6

Date Collected: 09/10/15 10:10

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	5 mL	5 mL	154282	09/21/15 19:49	DLF	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 16:57	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 14:03	JAS	TAL PIT
	Instrument ID: NOEQUIP									

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-007

Lab Sample ID: 180-47667-7

Date Collected: 09/10/15 10:30

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	5 mL	5 mL	154282	09/21/15 20:13	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 17:03	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 14:12	JAS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-091015-008

Lab Sample ID: 180-47667-8

Date Collected: 09/10/15 10:50

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154282	09/21/15 23:26	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 17:18	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 14:17	JAS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-091015-009

Lab Sample ID: 180-47667-9

Date Collected: 09/10/15 11:30

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154282	09/21/15 12:57	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 16:15	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			153442	09/12/15 13:27	JAS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-010

Lab Sample ID: 180-47667-10

Date Collected: 09/10/15 12:15

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154282	09/21/15 23:51	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	153573	09/14/15 11:41	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153775	09/15/15 17:24	RJR	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			153443	09/12/15 14:28	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-091015-011

Lab Sample ID: 180-47667-11

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154282	09/22/15 00:15	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	153654	09/15/15 06:57	BMH	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			153915	09/16/15 12:33	RJR	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	153771	09/15/15 18:05	MTW	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			153443	09/12/15 14:32	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: TB-18036-091015-01

Lab Sample ID: 180-47667-12

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	154282	09/21/15 13:21	DLF	TAL PIT
Instrument ID: CHHP5										

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

BMH = Bobbi Hartsock

Batch Type: Analysis

DLF = Donald Ferguson

JAS = Joshua Schmidt

MTW = Michael Wesoloski

RJR = Ron Rosenbaum

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Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-001

Lab Sample ID: 180-47667-1

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/17/15 22:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 22:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/17/15 22:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 22:17	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/17/15 22:17	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/17/15 22:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/17/15 22:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/17/15 22:17	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/17/15 22:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/17/15 22:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 22:17	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/17/15 22:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/17/15 22:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/17/15 22:17	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/17/15 22:17	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/17/15 22:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/17/15 22:17	1
Acetone	5.0	U	5.0	2.5	ug/L			09/17/15 22:17	1
Benzene	1.0	U	1.0	0.11	ug/L			09/17/15 22:17	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/17/15 22:17	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/17/15 22:17	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/17/15 22:17	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/17/15 22:17	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/17/15 22:17	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/17/15 22:17	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 22:17	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/17/15 22:17	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/17/15 22:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/17/15 22:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/17/15 22:17	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/17/15 22:17	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/17/15 22:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/17/15 22:17	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/17/15 22:17	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/17/15 22:17	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/17/15 22:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/17/15 22:17	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/17/15 22:17	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/17/15 22:17	1
Styrene	1.0	U	1.0	0.097	ug/L			09/17/15 22:17	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/17/15 22:17	1
Toluene	1.0	U	1.0	0.15	ug/L			09/17/15 22:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/17/15 22:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/17/15 22:17	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/17/15 22:17	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/17/15 22:17	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/17/15 22:17	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/17/15 22:17	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-001

Lab Sample ID: 180-47667-1

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		58 - 135		09/17/15 22:17	1
4-Bromofluorobenzene (Surr)	88		62 - 123		09/17/15 22:17	1
Toluene-d8 (Surr)	103		71 - 118		09/17/15 22:17	1
Dibromofluoromethane (Surr)	119		64 - 128		09/17/15 22:17	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	0.25	ug/L		09/14/15 11:41	09/15/15 15:59	1
Chromium	5.0	U	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 15:59	1
Lead	10	U	10	2.0	ug/L		09/14/15 11:41	09/15/15 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.1		0.50	0.50	mg/L			09/15/15 18:05	1
pH	8.16	HF	0.100	0.100	SU			09/12/15 13:41	1

Client Sample ID: WS-18036-091015-002

Lab Sample ID: 180-47667-2

Date Collected: 09/10/15 08:30

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/17/15 22:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 22:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/17/15 22:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 22:42	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/17/15 22:42	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/17/15 22:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/17/15 22:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/17/15 22:42	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/17/15 22:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/17/15 22:42	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 22:42	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/17/15 22:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/17/15 22:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/17/15 22:42	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/17/15 22:42	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/17/15 22:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/17/15 22:42	1
Acetone	5.0	U	5.0	2.5	ug/L			09/17/15 22:42	1
Benzene	1.0	U	1.0	0.11	ug/L			09/17/15 22:42	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/17/15 22:42	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/17/15 22:42	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/17/15 22:42	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/17/15 22:42	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/17/15 22:42	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/17/15 22:42	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 22:42	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/17/15 22:42	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/17/15 22:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/17/15 22:42	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-002

Lab Sample ID: 180-47667-2

Date Collected: 09/10/15 08:30

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/17/15 22:42	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/17/15 22:42	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/17/15 22:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/17/15 22:42	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/17/15 22:42	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/17/15 22:42	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/17/15 22:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/17/15 22:42	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/17/15 22:42	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/17/15 22:42	1
Styrene	1.0	U	1.0	0.097	ug/L			09/17/15 22:42	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/17/15 22:42	1
Toluene	1.0	U	1.0	0.15	ug/L			09/17/15 22:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/17/15 22:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/17/15 22:42	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/17/15 22:42	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/17/15 22:42	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/17/15 22:42	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/17/15 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		58 - 135		09/17/15 22:42	1
4-Bromofluorobenzene (Surr)	84		62 - 123		09/17/15 22:42	1
Toluene-d8 (Surr)	104		71 - 118		09/17/15 22:42	1
Dibromofluoromethane (Surr)	111		64 - 128		09/17/15 22:42	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	0.25	ug/L		09/14/15 11:41	09/15/15 16:36	1
Chromium	5.0	U	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 16:36	1
Lead	10	U	10	2.0	ug/L		09/14/15 11:41	09/15/15 16:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.5		0.50	0.50	mg/L			09/15/15 18:05	1
pH	8.29	HF	0.100	0.100	SU			09/12/15 13:45	1

Client Sample ID: WS-18036-091015-003

Lab Sample ID: 180-47667-3

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/17/15 23:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 23:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/17/15 23:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 23:06	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/17/15 23:06	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/17/15 23:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/17/15 23:06	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-003

Lab Sample ID: 180-47667-3

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/17/15 23:06	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/17/15 23:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/17/15 23:06	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 23:06	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/17/15 23:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/17/15 23:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/17/15 23:06	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/17/15 23:06	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/17/15 23:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/17/15 23:06	1
Acetone	5.0	U	5.0	2.5	ug/L			09/17/15 23:06	1
Benzene	1.0	U	1.0	0.11	ug/L			09/17/15 23:06	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/17/15 23:06	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/17/15 23:06	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/17/15 23:06	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/17/15 23:06	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/17/15 23:06	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/17/15 23:06	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 23:06	1
Chloroform	1.8		1.0	0.17	ug/L			09/17/15 23:06	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/17/15 23:06	1
cis-1,2-Dichloroethene	25		1.0	0.24	ug/L			09/17/15 23:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/17/15 23:06	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/17/15 23:06	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/17/15 23:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/17/15 23:06	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/17/15 23:06	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/17/15 23:06	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/17/15 23:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/17/15 23:06	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/17/15 23:06	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/17/15 23:06	1
Styrene	1.0	U	1.0	0.097	ug/L			09/17/15 23:06	1
Tetrachloroethene	8.9		1.0	0.15	ug/L			09/17/15 23:06	1
Toluene	1.0	U	1.0	0.15	ug/L			09/17/15 23:06	1
trans-1,2-Dichloroethene	0.23	J	1.0	0.17	ug/L			09/17/15 23:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/17/15 23:06	1
Trichloroethene	61	E	1.0	0.14	ug/L			09/17/15 23:06	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/17/15 23:06	1
Vinyl chloride	0.77	J	1.0	0.23	ug/L			09/17/15 23:06	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/17/15 23:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 135		09/17/15 23:06	1
4-Bromofluorobenzene (Surr)	86		62 - 123		09/17/15 23:06	1
Toluene-d8 (Surr)	102		71 - 118		09/17/15 23:06	1
Dibromofluoromethane (Surr)	113		64 - 128		09/17/15 23:06	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-003

Lab Sample ID: 180-47667-3

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.57	ug/L			09/21/15 18:37	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 18:37	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.64	ug/L			09/21/15 18:37	2
1,1,2-Trichloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 18:37	2
1,1-Dichloroethane	2.0	U	2.0	0.23	ug/L			09/21/15 18:37	2
1,1-Dichloroethene	2.0	U	2.0	0.59	ug/L			09/21/15 18:37	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.54	ug/L			09/21/15 18:37	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.28	ug/L			09/21/15 18:37	2
1,2-Dibromoethane (EDB)	2.0	U	2.0	0.36	ug/L			09/21/15 18:37	2
1,2-Dichlorobenzene	2.0	U	2.0	0.30	ug/L			09/21/15 18:37	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			09/21/15 18:37	2
1,2-Dichloropropane	2.0	U	2.0	0.19	ug/L			09/21/15 18:37	2
1,3-Dichlorobenzene	2.0	U	2.0	0.21	ug/L			09/21/15 18:37	2
1,4-Dichlorobenzene	2.0	U	2.0	0.41	ug/L			09/21/15 18:37	2
2-Butanone (MEK)	10	U	10	1.1	ug/L			09/21/15 18:37	2
2-Hexanone	10	U	10	0.32	ug/L			09/21/15 18:37	2
4-Methyl-2-pentanone (MIBK)	10	U	10	1.1	ug/L			09/21/15 18:37	2
Acetone	10	U	10	5.0	ug/L			09/21/15 18:37	2
Benzene	2.0	U	2.0	0.21	ug/L			09/21/15 18:37	2
Bromoform	2.0	U	2.0	0.38	ug/L			09/21/15 18:37	2
Bromomethane	2.0	U	2.0	0.63	ug/L			09/21/15 18:37	2
Carbon disulfide	2.0	U	2.0	0.42	ug/L			09/21/15 18:37	2
Carbon tetrachloride	2.0	U	2.0	0.27	ug/L			09/21/15 18:37	2
Chlorobenzene	2.0	U	2.0	0.27	ug/L			09/21/15 18:37	2
Chlorodibromomethane	2.0	U	2.0	0.27	ug/L			09/21/15 18:37	2
Chloroethane	2.0	U	2.0	0.43	ug/L			09/21/15 18:37	2
Chloroform	1.6	J	2.0	0.34	ug/L			09/21/15 18:37	2
Chloromethane	2.0	U	2.0	0.57	ug/L			09/21/15 18:37	2
cis-1,2-Dichloroethene	26		2.0	0.47	ug/L			09/21/15 18:37	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.37	ug/L			09/21/15 18:37	2
Cyclohexane	2.0	U	2.0	0.51	ug/L			09/21/15 18:37	2
Dichlorobromomethane	2.0	U	2.0	0.26	ug/L			09/21/15 18:37	2
Dichlorodifluoromethane	2.0	U	2.0	0.39	ug/L			09/21/15 18:37	2
Ethylbenzene	2.0	U	2.0	0.45	ug/L			09/21/15 18:37	2
Isopropylbenzene	2.0	U	2.0	0.33	ug/L			09/21/15 18:37	2
Methyl acetate	2.0	U	2.0	0.28	ug/L			09/21/15 18:37	2
Methyl tert-butyl ether	2.0	U	2.0	0.37	ug/L			09/21/15 18:37	2
Methylcyclohexane	2.0	U	2.0	0.52	ug/L			09/21/15 18:37	2
Methylene Chloride	2.0	U	2.0	0.30	ug/L			09/21/15 18:37	2
Styrene	2.0	U	2.0	0.19	ug/L			09/21/15 18:37	2
Tetrachloroethene	8.5		2.0	0.30	ug/L			09/21/15 18:37	2
Toluene	2.0	U	2.0	0.30	ug/L			09/21/15 18:37	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			09/21/15 18:37	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.30	ug/L			09/21/15 18:37	2
Trichloroethene	56		2.0	0.29	ug/L			09/21/15 18:37	2
Trichlorofluoromethane	2.0	U	2.0	0.40	ug/L			09/21/15 18:37	2
Vinyl chloride	2.0	U	2.0	0.45	ug/L			09/21/15 18:37	2
Xylenes, Total	6.0	U	6.0	0.98	ug/L			09/21/15 18:37	2

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-003

Lab Sample ID: 180-47667-3

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		09/21/15 18:37	2
4-Bromofluorobenzene (Surr)	100		62 - 123		09/21/15 18:37	2
Toluene-d8 (Surr)	99		71 - 118		09/21/15 18:37	2
Dibromofluoromethane (Surr)	103		64 - 128		09/21/15 18:37	2

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	0.25	ug/L		09/14/15 11:41	09/15/15 16:41	1
Chromium	2.6	J	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 16:41	1
Lead	6.6	J	10	2.0	ug/L		09/14/15 11:41	09/15/15 16:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	22		1.0	1.0	mg/L			09/15/15 18:05	1
pH	11.7	HF	0.100	0.100	SU			09/12/15 13:50	1

Client Sample ID: WS-18036-091015-004

Lab Sample ID: 180-47667-4

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/17/15 23:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 23:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/17/15 23:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 23:55	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/17/15 23:55	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/17/15 23:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/17/15 23:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/17/15 23:55	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/17/15 23:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/17/15 23:55	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 23:55	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/17/15 23:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/17/15 23:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/17/15 23:55	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/17/15 23:55	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/17/15 23:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/17/15 23:55	1
Acetone	3.0	J	5.0	2.5	ug/L			09/17/15 23:55	1
Benzene	1.0	U	1.0	0.11	ug/L			09/17/15 23:55	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/17/15 23:55	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/17/15 23:55	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/17/15 23:55	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/17/15 23:55	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/17/15 23:55	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/17/15 23:55	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 23:55	1
Chloroform	1.7		1.0	0.17	ug/L			09/17/15 23:55	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/17/15 23:55	1
cis-1,2-Dichloroethene	25		1.0	0.24	ug/L			09/17/15 23:55	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-004

Lab Sample ID: 180-47667-4

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/17/15 23:55	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/17/15 23:55	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/17/15 23:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/17/15 23:55	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/17/15 23:55	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/17/15 23:55	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/17/15 23:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/17/15 23:55	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/17/15 23:55	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/17/15 23:55	1
Styrene	1.0	U	1.0	0.097	ug/L			09/17/15 23:55	1
Tetrachloroethene	8.8		1.0	0.15	ug/L			09/17/15 23:55	1
Toluene	1.0	U	1.0	0.15	ug/L			09/17/15 23:55	1
trans-1,2-Dichloroethene	0.27	J	1.0	0.17	ug/L			09/17/15 23:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/17/15 23:55	1
Trichloroethene	61	E	1.0	0.14	ug/L			09/17/15 23:55	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/17/15 23:55	1
Vinyl chloride	0.71	J	1.0	0.23	ug/L			09/17/15 23:55	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/17/15 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 135		09/17/15 23:55	1
4-Bromofluorobenzene (Surr)	87		62 - 123		09/17/15 23:55	1
Toluene-d8 (Surr)	104		71 - 118		09/17/15 23:55	1
Dibromofluoromethane (Surr)	113		64 - 128		09/17/15 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.57	ug/L			09/21/15 19:01	2
1,1,1,2-Tetrachloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 19:01	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.64	ug/L			09/21/15 19:01	2
1,1,2-Trichloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 19:01	2
1,1-Dichloroethane	2.0	U	2.0	0.23	ug/L			09/21/15 19:01	2
1,1-Dichloroethene	2.0	U	2.0	0.59	ug/L			09/21/15 19:01	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.54	ug/L			09/21/15 19:01	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.28	ug/L			09/21/15 19:01	2
1,2-Dibromoethane (EDB)	2.0	U	2.0	0.36	ug/L			09/21/15 19:01	2
1,2-Dichlorobenzene	2.0	U	2.0	0.30	ug/L			09/21/15 19:01	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			09/21/15 19:01	2
1,2-Dichloropropane	2.0	U	2.0	0.19	ug/L			09/21/15 19:01	2
1,3-Dichlorobenzene	2.0	U	2.0	0.21	ug/L			09/21/15 19:01	2
1,4-Dichlorobenzene	2.0	U	2.0	0.41	ug/L			09/21/15 19:01	2
2-Butanone (MEK)	10	U	10	1.1	ug/L			09/21/15 19:01	2
2-Hexanone	10	U	10	0.32	ug/L			09/21/15 19:01	2
4-Methyl-2-pentanone (MIBK)	10	U	10	1.1	ug/L			09/21/15 19:01	2
Acetone	10	U	10	5.0	ug/L			09/21/15 19:01	2
Benzene	2.0	U	2.0	0.21	ug/L			09/21/15 19:01	2
Bromoform	2.0	U	2.0	0.38	ug/L			09/21/15 19:01	2
Bromomethane	2.0	U	2.0	0.63	ug/L			09/21/15 19:01	2
Carbon disulfide	2.0	U	2.0	0.42	ug/L			09/21/15 19:01	2

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-004

Lab Sample ID: 180-47667-4

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	2.0	U	2.0	0.27	ug/L			09/21/15 19:01	2
Chlorobenzene	2.0	U	2.0	0.27	ug/L			09/21/15 19:01	2
Chlorodibromomethane	2.0	U	2.0	0.27	ug/L			09/21/15 19:01	2
Chloroethane	2.0	U	2.0	0.43	ug/L			09/21/15 19:01	2
Chloroform	1.6	J	2.0	0.34	ug/L			09/21/15 19:01	2
Chloromethane	2.0	U	2.0	0.57	ug/L			09/21/15 19:01	2
cis-1,2-Dichloroethene	25		2.0	0.47	ug/L			09/21/15 19:01	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.37	ug/L			09/21/15 19:01	2
Cyclohexane	2.0	U	2.0	0.51	ug/L			09/21/15 19:01	2
Dichlorobromomethane	2.0	U	2.0	0.26	ug/L			09/21/15 19:01	2
Dichlorodifluoromethane	2.0	U	2.0	0.39	ug/L			09/21/15 19:01	2
Ethylbenzene	2.0	U	2.0	0.45	ug/L			09/21/15 19:01	2
Isopropylbenzene	2.0	U	2.0	0.33	ug/L			09/21/15 19:01	2
Methyl acetate	2.0	U	2.0	0.28	ug/L			09/21/15 19:01	2
Methyl tert-butyl ether	2.0	U	2.0	0.37	ug/L			09/21/15 19:01	2
Methylcyclohexane	2.0	U	2.0	0.52	ug/L			09/21/15 19:01	2
Methylene Chloride	2.0	U	2.0	0.30	ug/L			09/21/15 19:01	2
Styrene	2.0	U	2.0	0.19	ug/L			09/21/15 19:01	2
Tetrachloroethene	8.1		2.0	0.30	ug/L			09/21/15 19:01	2
Toluene	2.0	U	2.0	0.30	ug/L			09/21/15 19:01	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			09/21/15 19:01	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.30	ug/L			09/21/15 19:01	2
Trichloroethene	56		2.0	0.29	ug/L			09/21/15 19:01	2
Trichlorofluoromethane	2.0	U	2.0	0.40	ug/L			09/21/15 19:01	2
Vinyl chloride	0.69	J	2.0	0.45	ug/L			09/21/15 19:01	2
Xylenes, Total	6.0	U	6.0	0.98	ug/L			09/21/15 19:01	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		09/21/15 19:01	2
4-Bromofluorobenzene (Surr)	88		62 - 123		09/21/15 19:01	2
Toluene-d8 (Surr)	96		71 - 118		09/21/15 19:01	2
Dibromofluoromethane (Surr)	100		64 - 128		09/21/15 19:01	2

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	0.25	ug/L		09/14/15 11:41	09/15/15 16:46	1
Chromium	2.5	J	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 16:46	1
Lead	6.4	J	10	2.0	ug/L		09/14/15 11:41	09/15/15 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	20		0.50	0.50	mg/L			09/15/15 18:05	1
pH	11.7	HF	0.100	0.100	SU			09/12/15 13:54	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-005

Lab Sample ID: 180-47667-5

Date Collected: 09/10/15 10:00

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/21/15 19:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 19:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/21/15 19:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 19:25	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/21/15 19:25	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/21/15 19:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/21/15 19:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/21/15 19:25	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/21/15 19:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/21/15 19:25	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 19:25	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/21/15 19:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/21/15 19:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/21/15 19:25	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/21/15 19:25	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/21/15 19:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/21/15 19:25	1
Acetone	5.0	U	5.0	2.5	ug/L			09/21/15 19:25	1
Benzene	1.0	U	1.0	0.11	ug/L			09/21/15 19:25	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/21/15 19:25	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/21/15 19:25	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/21/15 19:25	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/21/15 19:25	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/21/15 19:25	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/21/15 19:25	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 19:25	1
Chloroform	0.21	J	1.0	0.17	ug/L			09/21/15 19:25	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/21/15 19:25	1
cis-1,2-Dichloroethene	4.0		1.0	0.24	ug/L			09/21/15 19:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/21/15 19:25	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/21/15 19:25	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/21/15 19:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/21/15 19:25	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/21/15 19:25	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/21/15 19:25	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/21/15 19:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/21/15 19:25	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/21/15 19:25	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/21/15 19:25	1
Styrene	1.0	U	1.0	0.097	ug/L			09/21/15 19:25	1
Tetrachloroethene	0.55	J	1.0	0.15	ug/L			09/21/15 19:25	1
Toluene	1.0	U	1.0	0.15	ug/L			09/21/15 19:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/21/15 19:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/21/15 19:25	1
Trichloroethene	16		1.0	0.14	ug/L			09/21/15 19:25	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/21/15 19:25	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/21/15 19:25	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/21/15 19:25	1

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-005

Lab Sample ID: 180-47667-5

Date Collected: 09/10/15 10:00

Matrix: Water

Date Received: 09/11/15 09:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		58 - 135		09/21/15 19:25	1
4-Bromofluorobenzene (Surr)	89		62 - 123		09/21/15 19:25	1
Toluene-d8 (Surr)	92		71 - 118		09/21/15 19:25	1
Dibromofluoromethane (Surr)	104		64 - 128		09/21/15 19:25	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	0.25	ug/L		09/14/15 11:41	09/15/15 16:52	1
Chromium	5.0	U	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 16:52	1
Lead	2.6	J	10	2.0	ug/L		09/14/15 11:41	09/15/15 16:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.2		0.50	0.50	mg/L			09/15/15 18:05	1
pH	8.29	HF	0.100	0.100	SU			09/12/15 13:59	1

Client Sample ID: WS-18036-091015-006

Lab Sample ID: 180-47667-6

Date Collected: 09/10/15 10:10

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.57	ug/L			09/21/15 19:49	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 19:49	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.64	ug/L			09/21/15 19:49	2
1,1,2-Trichloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 19:49	2
1,1-Dichloroethane	2.0	U	2.0	0.23	ug/L			09/21/15 19:49	2
1,1-Dichloroethene	2.0	U	2.0	0.59	ug/L			09/21/15 19:49	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.54	ug/L			09/21/15 19:49	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.28	ug/L			09/21/15 19:49	2
1,2-Dibromoethane (EDB)	2.0	U	2.0	0.36	ug/L			09/21/15 19:49	2
1,2-Dichlorobenzene	2.0	U	2.0	0.30	ug/L			09/21/15 19:49	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			09/21/15 19:49	2
1,2-Dichloropropane	2.0	U	2.0	0.19	ug/L			09/21/15 19:49	2
1,3-Dichlorobenzene	2.0	U	2.0	0.21	ug/L			09/21/15 19:49	2
1,4-Dichlorobenzene	2.0	U	2.0	0.41	ug/L			09/21/15 19:49	2
2-Butanone (MEK)	10	U	10	1.1	ug/L			09/21/15 19:49	2
2-Hexanone	10	U	10	0.32	ug/L			09/21/15 19:49	2
4-Methyl-2-pentanone (MIBK)	10	U	10	1.1	ug/L			09/21/15 19:49	2
Acetone	10	U	10	5.0	ug/L			09/21/15 19:49	2
Benzene	2.0	U	2.0	0.21	ug/L			09/21/15 19:49	2
Bromoform	2.0	U	2.0	0.38	ug/L			09/21/15 19:49	2
Bromomethane	2.0	U	2.0	0.63	ug/L			09/21/15 19:49	2
Carbon disulfide	2.0	U	2.0	0.42	ug/L			09/21/15 19:49	2
Carbon tetrachloride	2.0	U	2.0	0.27	ug/L			09/21/15 19:49	2
Chlorobenzene	2.0	U	2.0	0.27	ug/L			09/21/15 19:49	2
Chlorodibromomethane	2.0	U	2.0	0.27	ug/L			09/21/15 19:49	2
Chloroethane	2.0	U	2.0	0.43	ug/L			09/21/15 19:49	2
Chloroform	1.9	J	2.0	0.34	ug/L			09/21/15 19:49	2
Chloromethane	2.0	U	2.0	0.57	ug/L			09/21/15 19:49	2
cis-1,2-Dichloroethene	29		2.0	0.47	ug/L			09/21/15 19:49	2

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-006

Lab Sample ID: 180-47667-6

Date Collected: 09/10/15 10:10

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	2.0	U	2.0	0.37	ug/L			09/21/15 19:49	2
Cyclohexane	2.0	U	2.0	0.51	ug/L			09/21/15 19:49	2
Dichlorobromomethane	2.0	U	2.0	0.26	ug/L			09/21/15 19:49	2
Dichlorodifluoromethane	2.0	U	2.0	0.39	ug/L			09/21/15 19:49	2
Ethylbenzene	2.0	U	2.0	0.45	ug/L			09/21/15 19:49	2
Isopropylbenzene	2.0	U	2.0	0.33	ug/L			09/21/15 19:49	2
Methyl acetate	2.0	U	2.0	0.28	ug/L			09/21/15 19:49	2
Methyl tert-butyl ether	2.0	U	2.0	0.37	ug/L			09/21/15 19:49	2
Methylcyclohexane	2.0	U	2.0	0.52	ug/L			09/21/15 19:49	2
Methylene Chloride	2.0	U	2.0	0.30	ug/L			09/21/15 19:49	2
Styrene	2.0	U	2.0	0.19	ug/L			09/21/15 19:49	2
Tetrachloroethene	9.4		2.0	0.30	ug/L			09/21/15 19:49	2
Toluene	2.0	U	2.0	0.30	ug/L			09/21/15 19:49	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			09/21/15 19:49	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.30	ug/L			09/21/15 19:49	2
Trichloroethene	59		2.0	0.29	ug/L			09/21/15 19:49	2
Trichlorofluoromethane	2.0	U	2.0	0.40	ug/L			09/21/15 19:49	2
Vinyl chloride	1.0 J		2.0	0.45	ug/L			09/21/15 19:49	2
Xylenes, Total	6.0	U	6.0	0.98	ug/L			09/21/15 19:49	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135		09/21/15 19:49	2
4-Bromofluorobenzene (Surr)	92		62 - 123		09/21/15 19:49	2
Toluene-d8 (Surr)	98		71 - 118		09/21/15 19:49	2
Dibromofluoromethane (Surr)	103		64 - 128		09/21/15 19:49	2

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	0.25	ug/L		09/14/15 11:41	09/15/15 16:57	1
Chromium	5.0		5.0	0.93	ug/L		09/14/15 11:41	09/15/15 16:57	1
Lead	11		10	2.0	ug/L		09/14/15 11:41	09/15/15 16:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	39		0.50	0.50	mg/L			09/15/15 18:05	1
pH	11.6 HF		0.100	0.100	SU			09/12/15 14:03	1

Client Sample ID: WS-18036-091015-007

Lab Sample ID: 180-47667-7

Date Collected: 09/10/15 10:30

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.57	ug/L			09/21/15 20:13	2
1,1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 20:13	2
1,1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.64	ug/L			09/21/15 20:13	2
1,1,2-Trichloroethane	2.0	U	2.0	0.40	ug/L			09/21/15 20:13	2
1,1-Dichloroethane	2.0	U	2.0	0.23	ug/L			09/21/15 20:13	2
1,1-Dichloroethene	2.0	U	2.0	0.59	ug/L			09/21/15 20:13	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.54	ug/L			09/21/15 20:13	2

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-007

Lab Sample ID: 180-47667-7

Date Collected: 09/10/15 10:30

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.28	ug/L			09/21/15 20:13	2
1,2-Dibromoethane (EDB)	2.0	U	2.0	0.36	ug/L			09/21/15 20:13	2
1,2-Dichlorobenzene	2.0	U	2.0	0.30	ug/L			09/21/15 20:13	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			09/21/15 20:13	2
1,2-Dichloropropane	2.0	U	2.0	0.19	ug/L			09/21/15 20:13	2
1,3-Dichlorobenzene	2.0	U	2.0	0.21	ug/L			09/21/15 20:13	2
1,4-Dichlorobenzene	2.0	U	2.0	0.41	ug/L			09/21/15 20:13	2
2-Butanone (MEK)	10	U	10	1.1	ug/L			09/21/15 20:13	2
2-Hexanone	10	U	10	0.32	ug/L			09/21/15 20:13	2
4-Methyl-2-pentanone (MIBK)	10	U	10	1.1	ug/L			09/21/15 20:13	2
Acetone	5.0	J	10	5.0	ug/L			09/21/15 20:13	2
Benzene	2.0	U	2.0	0.21	ug/L			09/21/15 20:13	2
Bromoform	2.0	U	2.0	0.38	ug/L			09/21/15 20:13	2
Bromomethane	2.0	U	2.0	0.63	ug/L			09/21/15 20:13	2
Carbon disulfide	2.0	U	2.0	0.42	ug/L			09/21/15 20:13	2
Carbon tetrachloride	2.0	U	2.0	0.27	ug/L			09/21/15 20:13	2
Chlorobenzene	2.0	U	2.0	0.27	ug/L			09/21/15 20:13	2
Chlorodibromomethane	2.0	U	2.0	0.27	ug/L			09/21/15 20:13	2
Chloroethane	2.0	U	2.0	0.43	ug/L			09/21/15 20:13	2
Chloroform	0.98	J	2.0	0.34	ug/L			09/21/15 20:13	2
Chloromethane	2.0	U	2.0	0.57	ug/L			09/21/15 20:13	2
cis-1,2-Dichloroethene	16		2.0	0.47	ug/L			09/21/15 20:13	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.37	ug/L			09/21/15 20:13	2
Cyclohexane	2.0	U	2.0	0.51	ug/L			09/21/15 20:13	2
Dichlorobromomethane	2.0	U	2.0	0.26	ug/L			09/21/15 20:13	2
Dichlorodifluoromethane	2.0	U	2.0	0.39	ug/L			09/21/15 20:13	2
Ethylbenzene	2.0	U	2.0	0.45	ug/L			09/21/15 20:13	2
Isopropylbenzene	2.0	U	2.0	0.33	ug/L			09/21/15 20:13	2
Methyl acetate	2.0	U	2.0	0.28	ug/L			09/21/15 20:13	2
Methyl tert-butyl ether	2.0	U	2.0	0.37	ug/L			09/21/15 20:13	2
Methylcyclohexane	2.0	U	2.0	0.52	ug/L			09/21/15 20:13	2
Methylene Chloride	0.60	J B	2.0	0.30	ug/L			09/21/15 20:13	2
Styrene	2.0	U	2.0	0.19	ug/L			09/21/15 20:13	2
Tetrachloroethene	2.0		2.0	0.30	ug/L			09/21/15 20:13	2
Toluene	2.0	U	2.0	0.30	ug/L			09/21/15 20:13	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.34	ug/L			09/21/15 20:13	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.30	ug/L			09/21/15 20:13	2
Trichloroethene	64		2.0	0.29	ug/L			09/21/15 20:13	2
Trichlorofluoromethane	2.0	U	2.0	0.40	ug/L			09/21/15 20:13	2
Vinyl chloride	1.6	J	2.0	0.45	ug/L			09/21/15 20:13	2
Xylenes, Total	6.0	U	6.0	0.98	ug/L			09/21/15 20:13	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135		09/21/15 20:13	2
4-Bromofluorobenzene (Surr)	98		62 - 123		09/21/15 20:13	2
Toluene-d8 (Surr)	97		71 - 118		09/21/15 20:13	2
Dibromofluoromethane (Surr)	102		64 - 128		09/21/15 20:13	2

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-007

Lab Sample ID: 180-47667-7

Date Collected: 09/10/15 10:30

Matrix: Water

Date Received: 09/11/15 09:20

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	0.25	ug/L		09/14/15 11:41	09/15/15 17:03	1
Chromium	2.7	J	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 17:03	1
Lead	4.5	J	10	2.0	ug/L		09/14/15 11:41	09/15/15 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	19		0.50	0.50	mg/L			09/15/15 18:05	1
pH	9.55	HF	0.100	0.100	SU			09/12/15 14:12	1

Client Sample ID: WS-18036-091015-008

Lab Sample ID: 180-47667-8

Date Collected: 09/10/15 10:50

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/21/15 23:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 23:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/21/15 23:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 23:26	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/21/15 23:26	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/21/15 23:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/21/15 23:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/21/15 23:26	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/21/15 23:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/21/15 23:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 23:26	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/21/15 23:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/21/15 23:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/21/15 23:26	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/21/15 23:26	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/21/15 23:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/21/15 23:26	1
Acetone	5.0	U	5.0	2.5	ug/L			09/21/15 23:26	1
Benzene	1.0	U	1.0	0.11	ug/L			09/21/15 23:26	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/21/15 23:26	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/21/15 23:26	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/21/15 23:26	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/21/15 23:26	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/21/15 23:26	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/21/15 23:26	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 23:26	1
Chloroform	0.29	J	1.0	0.17	ug/L			09/21/15 23:26	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/21/15 23:26	1
cis-1,2-Dichloroethene	5.7		1.0	0.24	ug/L			09/21/15 23:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/21/15 23:26	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/21/15 23:26	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/21/15 23:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/21/15 23:26	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/21/15 23:26	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/21/15 23:26	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-008

Lab Sample ID: 180-47667-8

Date Collected: 09/10/15 10:50

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/21/15 23:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/21/15 23:26	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/21/15 23:26	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/21/15 23:26	1
Styrene	1.0	U	1.0	0.097	ug/L			09/21/15 23:26	1
Tetrachloroethene	0.75	J	1.0	0.15	ug/L			09/21/15 23:26	1
Toluene	1.0	U	1.0	0.15	ug/L			09/21/15 23:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/21/15 23:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/21/15 23:26	1
Trichloroethene	24		1.0	0.14	ug/L			09/21/15 23:26	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/21/15 23:26	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/21/15 23:26	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/21/15 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		58 - 135		09/21/15 23:26	1
4-Bromofluorobenzene (Surr)	88		62 - 123		09/21/15 23:26	1
Toluene-d8 (Surr)	102		71 - 118		09/21/15 23:26	1
Dibromofluoromethane (Surr)	106		64 - 128		09/21/15 23:26	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	0.25	ug/L		09/14/15 11:41	09/15/15 17:18	1
Chromium	5.0	U	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 17:18	1
Lead	10	U	10	2.0	ug/L		09/14/15 11:41	09/15/15 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	24		0.50	0.50	mg/L			09/15/15 18:05	1
pH	8.14	HF	0.100	0.100	SU			09/12/15 14:17	1

Client Sample ID: WS-18036-091015-009

Lab Sample ID: 180-47667-9

Date Collected: 09/10/15 11:30

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/21/15 12:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/21/15 12:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 12:57	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/21/15 12:57	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/21/15 12:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/21/15 12:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/21/15 12:57	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/21/15 12:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/21/15 12:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 12:57	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/21/15 12:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/21/15 12:57	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-009

Lab Sample ID: 180-47667-9

Date Collected: 09/10/15 11:30

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/21/15 12:57	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/21/15 12:57	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/21/15 12:57	1
4-Methyl-2-pentanone (MIBK)	1.5	J	5.0	0.53	ug/L			09/21/15 12:57	1
Acetone	7.4		5.0	2.5	ug/L			09/21/15 12:57	1
Benzene	1.0	U	1.0	0.11	ug/L			09/21/15 12:57	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/21/15 12:57	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/21/15 12:57	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/21/15 12:57	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/21/15 12:57	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/21/15 12:57	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/21/15 12:57	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 12:57	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/21/15 12:57	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/21/15 12:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/21/15 12:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/21/15 12:57	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/21/15 12:57	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/21/15 12:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/21/15 12:57	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/21/15 12:57	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/21/15 12:57	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/21/15 12:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/21/15 12:57	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/21/15 12:57	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/21/15 12:57	1
Styrene	1.0	U	1.0	0.097	ug/L			09/21/15 12:57	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/21/15 12:57	1
Toluene	1.0	U	1.0	0.15	ug/L			09/21/15 12:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/21/15 12:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/21/15 12:57	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/21/15 12:57	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/21/15 12:57	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/21/15 12:57	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/21/15 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		58 - 135		09/21/15 12:57	1
4-Bromofluorobenzene (Surr)	102		62 - 123		09/21/15 12:57	1
Toluene-d8 (Surr)	103		71 - 118		09/21/15 12:57	1
Dibromofluoromethane (Surr)	102		64 - 128		09/21/15 12:57	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	0.25	ug/L		09/14/15 11:41	09/15/15 16:15	1
Chromium	9.0		5.0	0.93	ug/L		09/14/15 11:41	09/15/15 16:15	1
Lead	9.9	J	10	2.0	ug/L		09/14/15 11:41	09/15/15 16:15	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-009

Lab Sample ID: 180-47667-9

Date Collected: 09/10/15 11:30

Matrix: Water

Date Received: 09/11/15 09:20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	320		2.0	2.0	mg/L			09/15/15 18:05	1
pH	7.62	HF	0.100	0.100	SU			09/12/15 13:27	1

Client Sample ID: WS-18036-091015-010

Lab Sample ID: 180-47667-10

Date Collected: 09/10/15 12:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/21/15 23:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 23:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/21/15 23:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 23:51	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/21/15 23:51	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/21/15 23:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/21/15 23:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/21/15 23:51	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/21/15 23:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/21/15 23:51	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 23:51	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/21/15 23:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/21/15 23:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/21/15 23:51	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/21/15 23:51	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/21/15 23:51	1
4-Methyl-2-pentanone (MIBK)	1.7	J	5.0	0.53	ug/L			09/21/15 23:51	1
Acetone	10		5.0	2.5	ug/L			09/21/15 23:51	1
Benzene	1.0	U	1.0	0.11	ug/L			09/21/15 23:51	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/21/15 23:51	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/21/15 23:51	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/21/15 23:51	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/21/15 23:51	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/21/15 23:51	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/21/15 23:51	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 23:51	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/21/15 23:51	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/21/15 23:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/21/15 23:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/21/15 23:51	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/21/15 23:51	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/21/15 23:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/21/15 23:51	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/21/15 23:51	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/21/15 23:51	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/21/15 23:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/21/15 23:51	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/21/15 23:51	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/21/15 23:51	1
Styrene	1.0	U	1.0	0.097	ug/L			09/21/15 23:51	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/21/15 23:51	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-010

Lab Sample ID: 180-47667-10

Date Collected: 09/10/15 12:15

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.0	U	1.0	0.15	ug/L			09/21/15 23:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/21/15 23:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/21/15 23:51	1
Trichloroethene	1.7		1.0	0.14	ug/L			09/21/15 23:51	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/21/15 23:51	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/21/15 23:51	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/21/15 23:51	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 135					09/21/15 23:51	1
4-Bromofluorobenzene (Surr)	93		62 - 123					09/21/15 23:51	1
Toluene-d8 (Surr)	101		71 - 118					09/21/15 23:51	1
Dibromofluoromethane (Surr)	111		64 - 128					09/21/15 23:51	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	0.25	ug/L		09/14/15 11:41	09/15/15 17:24	1
Chromium	4.6	J	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 17:24	1
Lead	3.7	J	10	2.0	ug/L		09/14/15 11:41	09/15/15 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	150		2.0	2.0	mg/L			09/15/15 18:05	1
pH	7.52	HF	0.100	0.100	SU			09/12/15 14:28	1

Client Sample ID: WS-18036-091015-011

Lab Sample ID: 180-47667-11

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/22/15 00:15	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/22/15 00:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/22/15 00:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/22/15 00:15	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/22/15 00:15	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/22/15 00:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/22/15 00:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/22/15 00:15	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/22/15 00:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/22/15 00:15	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/22/15 00:15	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/22/15 00:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/22/15 00:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/22/15 00:15	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/22/15 00:15	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/22/15 00:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/22/15 00:15	1
Acetone	5.0	U	5.0	2.5	ug/L			09/22/15 00:15	1
Benzene	1.0	U	1.0	0.11	ug/L			09/22/15 00:15	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-011

Lab Sample ID: 180-47667-11

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.19	ug/L			09/22/15 00:15	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/22/15 00:15	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/22/15 00:15	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/22/15 00:15	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/22/15 00:15	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/22/15 00:15	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/22/15 00:15	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/22/15 00:15	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/22/15 00:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/22/15 00:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/22/15 00:15	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/22/15 00:15	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/22/15 00:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/22/15 00:15	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/22/15 00:15	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/22/15 00:15	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/22/15 00:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/22/15 00:15	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/22/15 00:15	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/22/15 00:15	1
Styrene	1.0	U	1.0	0.097	ug/L			09/22/15 00:15	1
Tetrachloroethene	1.0		1.0	0.15	ug/L			09/22/15 00:15	1
Toluene	1.0	U	1.0	0.15	ug/L			09/22/15 00:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/22/15 00:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/22/15 00:15	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/22/15 00:15	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/22/15 00:15	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/22/15 00:15	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/22/15 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		58 - 135		09/22/15 00:15	1
4-Bromofluorobenzene (Surr)	92		62 - 123		09/22/15 00:15	1
Toluene-d8 (Surr)	101		71 - 118		09/22/15 00:15	1
Dibromofluoromethane (Surr)	108		64 - 128		09/22/15 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.3	J	5.0	0.25	ug/L		09/15/15 06:57	09/16/15 12:33	1
Chromium	5.0	U	5.0	0.93	ug/L		09/15/15 06:57	09/16/15 12:33	1
Lead	2.2	J	10	2.0	ug/L		09/15/15 06:57	09/16/15 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.6		0.50	0.50	mg/L			09/15/15 18:05	1
pH	7.90	HF	0.100	0.100	SU			09/12/15 14:32	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: TB-18036-091015-01

Lab Sample ID: 180-47667-12

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/21/15 13:21	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/21/15 13:21	1
Toluene	1.0	U	1.0	0.15	ug/L			09/21/15 13:21	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/21/15 13:21	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/21/15 13:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/21/15 13:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/21/15 13:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/21/15 13:21	1
Benzene	1.0	U	1.0	0.11	ug/L			09/21/15 13:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/21/15 13:21	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/21/15 13:21	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/21/15 13:21	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 13:21	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/21/15 13:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 13:21	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/21/15 13:21	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/21/15 13:21	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/21/15 13:21	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/21/15 13:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/21/15 13:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/21/15 13:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 13:21	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 13:21	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/21/15 13:21	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/21/15 13:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/21/15 13:21	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/21/15 13:21	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/21/15 13:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/21/15 13:21	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/21/15 13:21	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/21/15 13:21	1
Acetone	5.0	U	5.0	2.5	ug/L			09/21/15 13:21	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/21/15 13:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/21/15 13:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/21/15 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/21/15 13:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/21/15 13:21	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/21/15 13:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/21/15 13:21	1
Styrene	1.0	U	1.0	0.097	ug/L			09/21/15 13:21	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/21/15 13:21	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/21/15 13:21	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/21/15 13:21	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/21/15 13:21	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/21/15 13:21	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/21/15 13:21	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/21/15 13:21	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/21/15 13:21	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: TB-18036-091015-01

Lab Sample ID: 180-47667-12

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		09/21/15 13:21	1
4-Bromofluorobenzene (Surr)	93		62 - 123		09/21/15 13:21	1
Toluene-d8 (Surr)	98		71 - 118		09/21/15 13:21	1
Dibromofluoromethane (Surr)	104		64 - 128		09/21/15 13:21	1

QC Sample Results

Client: Brausch Environmental LLC
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: MB 180-154014/5
Matrix: Water
Analysis Batch: 154014

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/17/15 13:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/17/15 13:57	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/17/15 13:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 13:57	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/17/15 13:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 13:57	1
Benzene	1.0	U	1.0	0.11	ug/L			09/17/15 13:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/17/15 13:57	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/17/15 13:57	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/17/15 13:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/17/15 13:57	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/17/15 13:57	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/17/15 13:57	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/17/15 13:57	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/17/15 13:57	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/17/15 13:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/17/15 13:57	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/17/15 13:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/17/15 13:57	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/17/15 13:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/17/15 13:57	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/17/15 13:57	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/17/15 13:57	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/17/15 13:57	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/17/15 13:57	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/17/15 13:57	1
Toluene	1.0	U	1.0	0.15	ug/L			09/17/15 13:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/17/15 13:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/17/15 13:57	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/17/15 13:57	1
Acetone	5.0	U	5.0	2.5	ug/L			09/17/15 13:57	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/17/15 13:57	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/17/15 13:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/17/15 13:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/17/15 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/17/15 13:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/17/15 13:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/17/15 13:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/17/15 13:57	1
Styrene	1.0	U	1.0	0.097	ug/L			09/17/15 13:57	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/17/15 13:57	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/17/15 13:57	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/17/15 13:57	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/17/15 13:57	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/17/15 13:57	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/17/15 13:57	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/17/15 13:57	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/17/15 13:57	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	108		58 - 135		09/17/15 13:57	1
4-Bromofluorobenzene (Surr)	88		62 - 123		09/17/15 13:57	1
Toluene-d8 (Surr)	101		71 - 118		09/17/15 13:57	1
Dibromofluoromethane (Surr)	107		64 - 128		09/17/15 13:57	1

Lab Sample ID: LCS 180-154014/1002

Matrix: Water

Analysis Batch: 154014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	9.38		ug/L		94	75 - 125
1,2-Dichlorobenzene	10.0	8.80		ug/L		88	68 - 127
1,1-Dichloroethane	10.0	9.63		ug/L		96	72 - 128
1,2-Dichloroethane	10.0	9.30		ug/L		93	68 - 132
1,2-Dichloropropane	10.0	10.3		ug/L		103	50 - 150
1,1,2-Trichloroethane	10.0	9.42		ug/L		94	71 - 129
Benzene	10.0	9.62		ug/L		96	71 - 129
1,3-Dichlorobenzene	10.0	9.08		ug/L		91	73 - 127
Bromoform	10.0	10.8		ug/L		108	56 - 139
Bromomethane	10.0	6.72		ug/L		67	40 - 146
1,1,2,2-Tetrachloroethane	10.0	8.76		ug/L		88	60 - 140
1,1-Dichloroethene	10.0	8.86		ug/L		89	60 - 130
Chlorobenzene	10.0	10.4		ug/L		104	73 - 125
Chlorodibromomethane	10.0	11.3		ug/L		113	67 - 133
Chloroethane	10.0	7.55		ug/L		76	47 - 143
Chloromethane	10.0	8.63		ug/L		86	51 - 137
cis-1,2-Dichloroethene	10.0	8.59		ug/L		86	69 - 127
Chloroform	10.0	8.96		ug/L		90	67 - 133
cis-1,3-Dichloropropene	10.0	9.88		ug/L		99	50 - 140
Carbon tetrachloride	10.0	11.2		ug/L		112	70 - 140
1,4-Dichlorobenzene	10.0	9.17		ug/L		92	65 - 127
Dichlorobromomethane	10.0	9.52		ug/L		95	65 - 135
Ethylbenzene	10.0	10.2		ug/L		102	65 - 133
Carbon disulfide	10.0	9.94		ug/L		99	52 - 138
Methylene Chloride	10.0	7.67		ug/L		77	60 - 140
Tetrachloroethene	10.0	10.9		ug/L		109	73 - 127
Toluene	10.0	9.99		ug/L		100	74 - 126
trans-1,2-Dichloroethene	10.0	9.06		ug/L		91	69 - 131
trans-1,3-Dichloropropene	10.0	9.52		ug/L		95	64 - 134
Trichloroethene	10.0	10.8		ug/L		108	73 - 125
Acetone	20.0	20.3		ug/L		101	22 - 150
Methyl acetate	50.0	50.9		ug/L		102	47 - 142
Vinyl chloride	10.0	7.91		ug/L		79	30 - 140
Dichlorodifluoromethane	10.0	7.68		ug/L		77	38 - 145
4-Methyl-2-pentanone (MIBK)	20.0	19.3		ug/L		96	60 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.73		ug/L		97	46 - 148
1,2,4-Trichlorobenzene	10.0	8.24		ug/L		82	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	7.36		ug/L		74	37 - 133
Methyl tert-butyl ether	10.0	8.06		ug/L		81	50 - 150
Styrene	10.0	10.4		ug/L		104	70 - 130
2-Hexanone	20.0	22.2		ug/L		111	25 - 132
2-Butanone (MEK)	20.0	21.2		ug/L		106	39 - 138
Isopropylbenzene	10.0	9.97		ug/L		100	58 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: LCS 180-154014/1002

Matrix: Water

Analysis Batch: 154014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	10.0	9.06		ug/L		91	45 - 145
Trichlorofluoromethane	10.0	7.62		ug/L		76	56 - 141
Xylenes, Total	20.0	19.8		ug/L		99	53 - 140
Cyclohexane	10.0	10.3		ug/L		103	45 - 142
1,2-Dibromoethane (EDB)	10.0	9.74		ug/L		97	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		58 - 135
4-Bromofluorobenzene (Surr)	96		62 - 123
Toluene-d8 (Surr)	107		71 - 118
Dibromofluoromethane (Surr)	102		64 - 128

Lab Sample ID: 180-47663-D-10 MS

Matrix: Water

Analysis Batch: 154014

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
1,1,1-Trichloroethane	1.0	U	10.0	11.1		ug/L		111	75 - 125
1,2-Dichlorobenzene	1.0	U	10.0	10.1		ug/L		101	68 - 127
1,1-Dichloroethane	1.0	U	10.0	11.2		ug/L		112	72 - 128
1,2-Dichloroethane	1.0	U	10.0	11.8		ug/L		118	68 - 132
1,2-Dichloropropane	1.0	U	10.0	12.2		ug/L		122	50 - 150
1,1,2-Trichloroethane	1.0	U	10.0	10.3		ug/L		103	71 - 129
Benzene	1.0	U	10.0	11.1		ug/L		111	71 - 129
1,3-Dichlorobenzene	1.0	U	10.0	10.0		ug/L		100	73 - 127
Bromoform	1.0	U	10.0	13.9		ug/L		139	56 - 139
Bromomethane	1.0	U	10.0	10.7		ug/L		107	40 - 146
1,1,2,2-Tetrachloroethane	1.0	U	10.0	10.3		ug/L		103	60 - 140
1,1-Dichloroethene	1.0	U	10.0	9.87		ug/L		99	60 - 130
Chlorobenzene	1.0	U	10.0	11.0		ug/L		110	73 - 125
Chlorodibromomethane	1.0	U	10.0	12.2		ug/L		122	67 - 133
Chloroethane	1.0	U	10.0	9.98		ug/L		100	47 - 143
Chloromethane	1.0	U	10.0	11.0		ug/L		110	51 - 137
cis-1,2-Dichloroethene	1.0	U	10.0	10.2		ug/L		102	69 - 127
Chloroform	1.0	U	10.0	11.3		ug/L		113	67 - 133
cis-1,3-Dichloropropene	1.0	U	10.0	10.7		ug/L		107	50 - 140
Carbon tetrachloride	1.0	U	10.0	13.0		ug/L		130	70 - 140
1,4-Dichlorobenzene	1.0	U	10.0	10.2		ug/L		102	65 - 127
Dichlorobromomethane	1.0	U	10.0	11.5		ug/L		115	65 - 135
Ethylbenzene	1.0	U	10.0	10.5		ug/L		105	65 - 133
Carbon disulfide	1.0	U	10.0	11.1		ug/L		111	52 - 138
Methylene Chloride	1.0	U	10.0	9.12		ug/L		91	60 - 140
Tetrachloroethene	1.0	U	10.0	11.9		ug/L		119	73 - 127
Toluene	1.0	U	10.0	10.5		ug/L		105	74 - 126
trans-1,2-Dichloroethene	1.0	U	10.0	10.7		ug/L		107	69 - 131
trans-1,3-Dichloropropene	1.0	U	10.0	10.0		ug/L		100	64 - 134
Trichloroethene	0.80	J F1	10.0	13.4	F1	ug/L		126	73 - 125
Acetone	5.0	U	20.0	19.8		ug/L		99	22 - 150

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: 180-47663-D-10 MS

Matrix: Water

Analysis Batch: 154014

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Methyl acetate	1.0	U	50.0	59.2		ug/L		118	47 - 142
Vinyl chloride	1.0	U	10.0	9.82		ug/L		98	30 - 140
Dichlorodifluoromethane	1.0	U	10.0	8.55		ug/L		85	38 - 145
4-Methyl-2-pentanone (MIBK)	5.0	U	20.0	19.1		ug/L		95	60 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	10.7		ug/L		107	46 - 148
1,2,4-Trichlorobenzene	1.0	U	10.0	9.21		ug/L		92	55 - 140
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	8.06		ug/L		81	37 - 133
Methyl tert-butyl ether	1.0	U	10.0	9.54		ug/L		95	50 - 150
Styrene	1.0	U	10.0	11.3		ug/L		113	70 - 130
2-Hexanone	5.0	U	20.0	20.2		ug/L		101	25 - 132
2-Butanone (MEK)	5.0	U	20.0	20.5		ug/L		102	39 - 138
Isopropylbenzene	1.0	U	10.0	10.9		ug/L		109	58 - 130
Methylcyclohexane	1.0	U	10.0	9.82		ug/L		98	45 - 145
Trichlorofluoromethane	1.0	U	10.0	11.2		ug/L		112	56 - 141
Xylenes, Total	3.0	U	20.0	20.7		ug/L		104	53 - 140
Cyclohexane	1.0	U	10.0	10.5		ug/L		105	45 - 142
1,2-Dibromoethane (EDB)	1.0	U	10.0	11.0		ug/L		110	74 - 123

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	115		58 - 135
4-Bromofluorobenzene (Surr)	99		62 - 123
Toluene-d8 (Surr)	103		71 - 118
Dibromofluoromethane (Surr)	115		64 - 128

Lab Sample ID: MB 180-154282/4

Matrix: Water

Analysis Batch: 154282

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			09/21/15 12:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/21/15 12:19	1
1,1-Dichloroethane	1.0	U	1.0	0.12	ug/L			09/21/15 12:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 12:19	1
1,2-Dichloropropane	1.0	U	1.0	0.095	ug/L			09/21/15 12:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 12:19	1
Benzene	1.0	U	1.0	0.11	ug/L			09/21/15 12:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.11	ug/L			09/21/15 12:19	1
Bromoform	1.0	U	1.0	0.19	ug/L			09/21/15 12:19	1
Bromomethane	1.0	U	1.0	0.31	ug/L			09/21/15 12:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			09/21/15 12:19	1
1,1-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/21/15 12:19	1
Chlorobenzene	1.0	U	1.0	0.14	ug/L			09/21/15 12:19	1
Chlorodibromomethane	1.0	U	1.0	0.14	ug/L			09/21/15 12:19	1
Chloroethane	1.0	U	1.0	0.21	ug/L			09/21/15 12:19	1
Chloromethane	1.0	U	1.0	0.28	ug/L			09/21/15 12:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/21/15 12:19	1
Chloroform	1.0	U	1.0	0.17	ug/L			09/21/15 12:19	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: MB 180-154282/4
Matrix: Water
Analysis Batch: 154282

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/21/15 12:19	1
Carbon tetrachloride	1.0	U	1.0	0.14	ug/L			09/21/15 12:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/21/15 12:19	1
Dichlorobromomethane	1.0	U	1.0	0.13	ug/L			09/21/15 12:19	1
Ethylbenzene	1.0	U	1.0	0.23	ug/L			09/21/15 12:19	1
Carbon disulfide	1.0	U	1.0	0.21	ug/L			09/21/15 12:19	1
Methylene Chloride	0.184	J	1.0	0.15	ug/L			09/21/15 12:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/21/15 12:19	1
Toluene	1.0	U	1.0	0.15	ug/L			09/21/15 12:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/21/15 12:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/L			09/21/15 12:19	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/21/15 12:19	1
Acetone	5.0	U	5.0	2.5	ug/L			09/21/15 12:19	1
Methyl acetate	1.0	U	1.0	0.14	ug/L			09/21/15 12:19	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			09/21/15 12:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.19	ug/L			09/21/15 12:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.53	ug/L			09/21/15 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32	ug/L			09/21/15 12:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/21/15 12:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.14	ug/L			09/21/15 12:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.18	ug/L			09/21/15 12:19	1
Styrene	1.0	U	1.0	0.097	ug/L			09/21/15 12:19	1
2-Hexanone	5.0	U	5.0	0.16	ug/L			09/21/15 12:19	1
2-Butanone (MEK)	5.0	U	5.0	0.55	ug/L			09/21/15 12:19	1
Isopropylbenzene	1.0	U	1.0	0.16	ug/L			09/21/15 12:19	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/21/15 12:19	1
Trichlorofluoromethane	1.0	U	1.0	0.20	ug/L			09/21/15 12:19	1
Xylenes, Total	3.0	U	3.0	0.49	ug/L			09/21/15 12:19	1
Cyclohexane	1.0	U	1.0	0.25	ug/L			09/21/15 12:19	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.18	ug/L			09/21/15 12:19	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		09/21/15 12:19	1
4-Bromofluorobenzene (Surr)	98		62 - 123		09/21/15 12:19	1
Toluene-d8 (Surr)	99		71 - 118		09/21/15 12:19	1
Dibromofluoromethane (Surr)	93		64 - 128		09/21/15 12:19	1

Lab Sample ID: LCS 180-154282/1002
Matrix: Water
Analysis Batch: 154282

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1-Trichloroethane	10.0	8.09		ug/L		81	75 - 125
1,2-Dichlorobenzene	10.0	10.3		ug/L		103	68 - 127
1,1-Dichloroethane	10.0	8.74		ug/L		87	72 - 128
1,2-Dichloroethane	10.0	8.88		ug/L		89	68 - 132
1,2-Dichloropropane	10.0	9.18		ug/L		92	50 - 150
1,1,2-Trichloroethane	10.0	9.97		ug/L		100	71 - 129

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: LCS 180-154282/1002

Matrix: Water

Analysis Batch: 154282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	8.93		ug/L		89	71 - 129
1,3-Dichlorobenzene	10.0	10.3		ug/L		103	73 - 127
Bromoform	10.0	12.1		ug/L		121	56 - 139
Bromomethane	10.0	8.89		ug/L		89	40 - 146
1,1,2,2-Tetrachloroethane	10.0	10.5		ug/L		105	60 - 140
1,1-Dichloroethene	10.0	8.78		ug/L		88	60 - 130
Chlorobenzene	10.0	10.0		ug/L		100	73 - 125
Chlorodibromomethane	10.0	10.9		ug/L		109	67 - 133
Chloroethane	10.0	8.32		ug/L		83	47 - 143
Chloromethane	10.0	10.6		ug/L		106	51 - 137
cis-1,2-Dichloroethene	10.0	8.73		ug/L		87	69 - 127
Chloroform	10.0	8.62		ug/L		86	67 - 133
cis-1,3-Dichloropropene	10.0	8.87		ug/L		89	50 - 140
Carbon tetrachloride	10.0	9.44		ug/L		94	70 - 140
1,4-Dichlorobenzene	10.0	10.1		ug/L		101	65 - 127
Dichlorobromomethane	10.0	9.38		ug/L		94	65 - 135
Ethylbenzene	10.0	10.4		ug/L		104	65 - 133
Carbon disulfide	10.0	9.00		ug/L		90	52 - 138
Methylene Chloride	10.0	8.31		ug/L		83	60 - 140
Tetrachloroethene	10.0	10.2		ug/L		102	73 - 127
Toluene	10.0	10.2		ug/L		102	74 - 126
trans-1,2-Dichloroethene	10.0	9.11		ug/L		91	69 - 131
trans-1,3-Dichloropropene	10.0	9.40		ug/L		94	64 - 134
Trichloroethene	10.0	9.51		ug/L		95	73 - 125
Acetone	20.0	22.5		ug/L		113	22 - 150
Methyl acetate	50.0	49.5		ug/L		99	47 - 142
Vinyl chloride	10.0	8.98		ug/L		90	30 - 140
Dichlorodifluoromethane	10.0	9.79		ug/L		98	38 - 145
4-Methyl-2-pentanone (MIBK)	20.0	23.1		ug/L		115	60 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.63		ug/L		86	46 - 148
1,2,4-Trichlorobenzene	10.0	11.6		ug/L		116	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	12.0		ug/L		120	37 - 133
Methyl tert-butyl ether	10.0	8.56		ug/L		86	50 - 150
Styrene	10.0	11.0		ug/L		110	70 - 130
2-Hexanone	20.0	24.1		ug/L		121	25 - 132
2-Butanone (MEK)	20.0	22.5		ug/L		113	39 - 138
Isopropylbenzene	10.0	11.1		ug/L		111	58 - 130
Methylcyclohexane	10.0	9.64		ug/L		96	45 - 145
Trichlorofluoromethane	10.0	9.05		ug/L		90	56 - 141
Xylenes, Total	20.0	20.9		ug/L		105	53 - 140
Cyclohexane	10.0	9.66		ug/L		97	45 - 142
1,2-Dibromoethane (EDB)	10.0	10.5		ug/L		105	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		58 - 135
4-Bromofluorobenzene (Surr)	108		62 - 123
Toluene-d8 (Surr)	104		71 - 118

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: LCS 180-154282/1002
Matrix: Water
Analysis Batch: 154282

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	85		64 - 128

Lab Sample ID: 180-47667-9 MS
Matrix: Water
Analysis Batch: 154282

Client Sample ID: WS-18036-091015-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	10.0	8.12		ug/L		81	75 - 125
1,1,2,2-Tetrachloroethane	1.0	U	10.0	11.7		ug/L		117	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	8.32		ug/L		83	46 - 148
1,1,2-Trichloroethane	1.0	U	10.0	10.4		ug/L		104	71 - 129
1,1-Dichloroethane	1.0	U	10.0	8.46		ug/L		85	72 - 128
1,1-Dichloroethene	1.0	U	10.0	8.23		ug/L		82	60 - 130
1,2,4-Trichlorobenzene	1.0	U	10.0	11.2		ug/L		112	55 - 140
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	11.4		ug/L		114	37 - 133
1,2-Dibromoethane (EDB)	1.0	U	10.0	10.8		ug/L		108	74 - 123
1,2-Dichlorobenzene	1.0	U	10.0	10.6		ug/L		106	68 - 127
1,2-Dichloroethane	1.0	U	10.0	8.20		ug/L		82	68 - 132
1,2-Dichloropropane	1.0	U	10.0	9.10		ug/L		91	50 - 150
1,3-Dichlorobenzene	1.0	U	10.0	11.1		ug/L		111	73 - 127
1,4-Dichlorobenzene	1.0	U	10.0	10.5		ug/L		105	65 - 127
2-Butanone (MEK)	5.0	U	20.0	22.5		ug/L		112	39 - 138
2-Hexanone	5.0	U	20.0	21.5		ug/L		108	25 - 132
4-Methyl-2-pentanone (MIBK)	1.5	J	20.0	24.0		ug/L		112	60 - 135
Acetone	7.4		20.0	23.3		ug/L		80	22 - 150
Benzene	1.0	U	10.0	8.52		ug/L		85	71 - 129
Bromoform	1.0	U	10.0	12.2		ug/L		122	56 - 139
Bromomethane	1.0	U	10.0	8.50		ug/L		85	40 - 146
Carbon disulfide	1.0	U	10.0	7.91		ug/L		79	52 - 138
Carbon tetrachloride	1.0	U	10.0	8.47		ug/L		85	70 - 140
Chlorobenzene	1.0	U	10.0	10.2		ug/L		102	73 - 125
Chlorodibromomethane	1.0	U	10.0	10.5		ug/L		105	67 - 133
Chloroethane	1.0	U	10.0	8.09		ug/L		81	47 - 143
Chloroform	1.0	U	10.0	8.74		ug/L		87	67 - 133
Chloromethane	1.0	U	10.0	10.3		ug/L		103	51 - 137
cis-1,2-Dichloroethene	1.0	U	10.0	8.74		ug/L		87	69 - 127
cis-1,3-Dichloropropene	1.0	U	10.0	7.83		ug/L		78	50 - 140
Cyclohexane	1.0	U	10.0	8.93		ug/L		89	45 - 142
Dichlorobromomethane	1.0	U	10.0	9.13		ug/L		91	65 - 135
Dichlorodifluoromethane	1.0	U	10.0	9.26		ug/L		93	38 - 145
Ethylbenzene	1.0	U	10.0	10.2		ug/L		102	65 - 133
Isopropylbenzene	1.0	U	10.0	11.4		ug/L		114	58 - 130
Methyl acetate	1.0	U	50.0	48.4		ug/L		97	47 - 142
Methyl tert-butyl ether	1.0	U	10.0	8.15		ug/L		81	50 - 150
Methylcyclohexane	1.0	U	10.0	9.08		ug/L		91	45 - 145
Methylene Chloride	1.0	U	10.0	7.64		ug/L		76	60 - 140
Styrene	1.0	U	10.0	11.6		ug/L		116	70 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: 180-47667-9 MS

Client Sample ID: WS-18036-091015-009

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	1.0	U	10.0	10.1		ug/L		101	73 - 127
Toluene	1.0	U	10.0	9.60		ug/L		96	74 - 126
trans-1,2-Dichloroethene	1.0	U	10.0	8.52		ug/L		85	69 - 131
trans-1,3-Dichloropropene	1.0	U	10.0	8.80		ug/L		88	64 - 134
Trichloroethene	1.0	U	10.0	9.31		ug/L		93	73 - 125
Trichlorofluoromethane	1.0	U	10.0	9.14		ug/L		91	56 - 141
Vinyl chloride	1.0	U	10.0	9.27		ug/L		93	30 - 140
Xylenes, Total	3.0	U	20.0	21.2		ug/L		106	53 - 140

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	77		58 - 135
4-Bromofluorobenzene (Surr)	104		62 - 123
Toluene-d8 (Surr)	97		71 - 118
Dibromofluoromethane (Surr)	81		64 - 128

Lab Sample ID: 180-47667-9 MSD

Client Sample ID: WS-18036-091015-009

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	10.0	8.31		ug/L		83	75 - 125	2	25
1,1,2,2-Tetrachloroethane	1.0	U	10.0	10.3		ug/L		103	60 - 140	12	25
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	7.82		ug/L		78	46 - 148	6	35
1,1,2-Trichloroethane	1.0	U	10.0	9.15		ug/L		91	71 - 129	13	25
1,1-Dichloroethane	1.0	U	10.0	8.35		ug/L		84	72 - 128	1	25
1,1-Dichloroethene	1.0	U	10.0	8.17		ug/L		82	60 - 130	1	25
1,2,4-Trichlorobenzene	1.0	U	10.0	11.2		ug/L		112	55 - 140	0	35
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	11.3		ug/L		113	37 - 133	1	35
1,2-Dibromoethane (EDB)	1.0	U	10.0	10.0		ug/L		100	74 - 123	8	35
1,2-Dichlorobenzene	1.0	U	10.0	9.96		ug/L		100	68 - 127	6	35
1,2-Dichloroethane	1.0	U	10.0	8.38		ug/L		84	68 - 132	2	25
1,2-Dichloropropane	1.0	U	10.0	8.74		ug/L		87	50 - 150	4	35
1,3-Dichlorobenzene	1.0	U	10.0	10.0		ug/L		100	73 - 127	10	35
1,4-Dichlorobenzene	1.0	U	10.0	10.0		ug/L		100	65 - 127	4	35
2-Butanone (MEK)	5.0	U	20.0	22.7		ug/L		114	39 - 138	1	35
2-Hexanone	5.0	U	20.0	20.3		ug/L		102	25 - 132	6	35
4-Methyl-2-pentanone (MIBK)	1.5	J	20.0	23.1		ug/L		108	60 - 135	4	30
Acetone	7.4		20.0	23.0		ug/L		78	22 - 150	1	35
Benzene	1.0	U	10.0	8.56		ug/L		86	71 - 129	0	25
Bromoform	1.0	U	10.0	10.6		ug/L		106	56 - 139	14	35
Bromomethane	1.0	U	10.0	8.66		ug/L		87	40 - 146	2	35
Carbon disulfide	1.0	U	10.0	7.73		ug/L		77	52 - 138	2	35
Carbon tetrachloride	1.0	U	10.0	8.43		ug/L		84	70 - 140	0	25
Chlorobenzene	1.0	U	10.0	9.44		ug/L		94	73 - 125	8	25
Chlorodibromomethane	1.0	U	10.0	9.45		ug/L		95	67 - 133	11	25
Chloroethane	1.0	U	10.0	7.85		ug/L		79	47 - 143	3	35
Chloroform	1.0	U	10.0	8.24		ug/L		82	67 - 133	6	25

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: 180-47667-9 MSD
Matrix: Water
Analysis Batch: 154282

Client Sample ID: WS-18036-091015-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	1.0	U	10.0	10.1		ug/L		101	51 - 137	2	35
cis-1,2-Dichloroethene	1.0	U	10.0	8.40		ug/L		84	69 - 127	4	20
cis-1,3-Dichloropropene	1.0	U	10.0	8.19		ug/L		82	50 - 140	5	35
Cyclohexane	1.0	U	10.0	8.74		ug/L		87	45 - 142	2	35
Dichlorobromomethane	1.0	U	10.0	9.07		ug/L		91	65 - 135	1	25
Dichlorodifluoromethane	1.0	U	10.0	8.48		ug/L		85	38 - 145	9	35
Ethylbenzene	1.0	U	10.0	9.35		ug/L		93	65 - 133	9	25
Isopropylbenzene	1.0	U	10.0	10.6		ug/L		106	58 - 130	8	35
Methyl acetate	1.0	U	50.0	50.2		ug/L		100	47 - 142	3	35
Methyl tert-butyl ether	1.0	U	10.0	8.56		ug/L		86	50 - 150	5	50
Methylcyclohexane	1.0	U	10.0	8.58		ug/L		86	45 - 145	6	35
Methylene Chloride	1.0	U	10.0	7.66		ug/L		77	60 - 140	0	25
Styrene	1.0	U	10.0	10.8		ug/L		108	70 - 130	7	30
Tetrachloroethene	1.0	U	10.0	9.24		ug/L		92	73 - 127	9	25
Toluene	1.0	U	10.0	9.20		ug/L		92	74 - 126	4	25
trans-1,2-Dichloroethene	1.0	U	10.0	8.80		ug/L		88	69 - 131	3	25
trans-1,3-Dichloropropene	1.0	U	10.0	8.43		ug/L		84	64 - 134	4	33
Trichloroethene	1.0	U	10.0	8.96		ug/L		90	73 - 125	4	25
Trichlorofluoromethane	1.0	U	10.0	9.18		ug/L		92	56 - 141	1	35
Vinyl chloride	1.0	U	10.0	9.08		ug/L		91	30 - 140	2	35
Xylenes, Total	3.0	U	20.0	19.8		ug/L		99	53 - 140	7	25

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	76		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	90		71 - 118
Dibromofluoromethane (Surr)	79		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-153573/1-A
Matrix: Water
Analysis Batch: 153775

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 153573

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.25	ug/L		09/14/15 11:41	09/15/15 14:28	1
Chromium	5.0	U	5.0	0.93	ug/L		09/14/15 11:41	09/15/15 14:28	1
Lead	10	U	10	2.0	ug/L		09/14/15 11:41	09/15/15 14:28	1

Lab Sample ID: LCS 180-153573/2-A
Matrix: Water
Analysis Batch: 153775

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 153573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	47.6		ug/L		95	85 - 115
Chromium	200	204		ug/L		102	85 - 115
Lead	500	486		ug/L		97	85 - 115

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: 180-47667-9 MS
Matrix: Water
Analysis Batch: 153775

Client Sample ID: WS-18036-091015-009
Prep Type: Total Recoverable
Prep Batch: 153573

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Cadmium	5.0	U	50.0	46.6		ug/L		93	70 - 130
Chromium	9.0		200	225		ug/L		108	70 - 130
Lead	9.9	J	500	500		ug/L		98	70 - 130

Lab Sample ID: 180-47667-9 MSD
Matrix: Water
Analysis Batch: 153775

Client Sample ID: WS-18036-091015-009
Prep Type: Total Recoverable
Prep Batch: 153573

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Cadmium	5.0	U	50.0	46.0		ug/L		92	70 - 130	1	20
Chromium	9.0		200	205		ug/L		98	70 - 130	10	20
Lead	9.9	J	500	485		ug/L		95	70 - 130	3	20

Lab Sample ID: MB 180-153654/1-A
Matrix: Water
Analysis Batch: 153915

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 153654

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.25	ug/L		09/15/15 06:57	09/16/15 12:17	1
Chromium	5.0	U	5.0	0.93	ug/L		09/15/15 06:57	09/16/15 12:17	1
Lead	10	U	10	2.0	ug/L		09/15/15 06:57	09/16/15 12:17	1

Lab Sample ID: LCS 180-153654/2-A
Matrix: Water
Analysis Batch: 153915

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 153654

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
Cadmium	50.0	48.4		ug/L		97	85 - 115
Chromium	200	188		ug/L		94	85 - 115
Lead	500	493		ug/L		99	85 - 115

Lab Sample ID: 180-47667-11 MS
Matrix: Water
Analysis Batch: 153915

Client Sample ID: WS-18036-091015-011
Prep Type: Total Recoverable
Prep Batch: 153654

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Cadmium	1.3	J	50.0	50.2		ug/L		98	70 - 130
Chromium	5.0	U	200	195		ug/L		97	70 - 130
Lead	2.2	J	500	503		ug/L		100	70 - 130

Lab Sample ID: 180-47667-11 MSD
Matrix: Water
Analysis Batch: 153915

Client Sample ID: WS-18036-091015-011
Prep Type: Total Recoverable
Prep Batch: 153654

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Cadmium	1.3	J	50.0	49.4		ug/L		96	70 - 130	2	20
Chromium	5.0	U	200	192		ug/L		96	70 - 130	1	20
Lead	2.2	J	500	502		ug/L		100	70 - 130	0	20

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: MB 180-153771/2
Matrix: Water
Analysis Batch: 153771

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	0.50	U	0.50	0.50	mg/L			09/15/15 18:05	1

Lab Sample ID: LCS 180-153771/1
Matrix: Water
Analysis Batch: 153771

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	53.8	54.0		mg/L		100	80 - 120

Lab Sample ID: 180-47667-3 DU
Matrix: Water
Analysis Batch: 153771

Client Sample ID: WS-18036-091015-003
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	22		20.2		mg/L		7	10

Lab Sample ID: 180-47667-9 DU
Matrix: Water
Analysis Batch: 153771

Client Sample ID: WS-18036-091015-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	320		320		mg/L		1	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-153442/1
Matrix: Water
Analysis Batch: 153442

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	6.970		SU		100	99 - 101

Lab Sample ID: 180-47667-9 DU
Matrix: Water
Analysis Batch: 153442

Client Sample ID: WS-18036-091015-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.62	HF	7.650	HF	SU		0.4	2

Lab Sample ID: LCS 180-153443/1
Matrix: Water
Analysis Batch: 153443

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	7.010		SU		100	99 - 101

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 180-47667-10 DU
Matrix: Water
Analysis Batch: 153443

Client Sample ID: WS-18036-091015-010
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.52	HF	7.580		SU	--	0.8	2

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QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

GC/MS VOA

Analysis Batch: 154014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-1	WS-18036-091015-001	Total/NA	Water	624	
180-47667-2	WS-18036-091015-002	Total/NA	Water	624	
180-47667-3	WS-18036-091015-003	Total/NA	Water	624	
180-47667-4	WS-18036-091015-004	Total/NA	Water	624	
MB 180-154014/5	Method Blank	Total/NA	Water	624	
LCS 180-154014/1002	Lab Control Sample	Total/NA	Water	624	
180-47663-D-10 MS	Matrix Spike	Total/NA	Water	624	

Analysis Batch: 154282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-3 - DL	WS-18036-091015-003	Total/NA	Water	624	
180-47667-4 - DL	WS-18036-091015-004	Total/NA	Water	624	
180-47667-5	WS-18036-091015-005	Total/NA	Water	624	
180-47667-6	WS-18036-091015-006	Total/NA	Water	624	
180-47667-7	WS-18036-091015-007	Total/NA	Water	624	
180-47667-8	WS-18036-091015-008	Total/NA	Water	624	
180-47667-9	WS-18036-091015-009	Total/NA	Water	624	
180-47667-10	WS-18036-091015-010	Total/NA	Water	624	
180-47667-11	WS-18036-091015-011	Total/NA	Water	624	
180-47667-12	TB-18036-091015-01	Total/NA	Water	624	
MB 180-154282/4	Method Blank	Total/NA	Water	624	
LCS 180-154282/1002	Lab Control Sample	Total/NA	Water	624	
180-47667-9 MS	WS-18036-091015-009	Total/NA	Water	624	
180-47667-9 MSD	WS-18036-091015-009	Total/NA	Water	624	

Metals

Prep Batch: 153573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-1	WS-18036-091015-001	Total Recoverable	Water	200.7	
180-47667-2	WS-18036-091015-002	Total Recoverable	Water	200.7	
180-47667-3	WS-18036-091015-003	Total Recoverable	Water	200.7	
180-47667-4	WS-18036-091015-004	Total Recoverable	Water	200.7	
180-47667-5	WS-18036-091015-005	Total Recoverable	Water	200.7	
180-47667-6	WS-18036-091015-006	Total Recoverable	Water	200.7	
180-47667-7	WS-18036-091015-007	Total Recoverable	Water	200.7	
180-47667-8	WS-18036-091015-008	Total Recoverable	Water	200.7	
180-47667-9	WS-18036-091015-009	Total Recoverable	Water	200.7	
180-47667-10	WS-18036-091015-010	Total Recoverable	Water	200.7	
MB 180-153573/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 180-153573/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-47667-9 MS	WS-18036-091015-009	Total Recoverable	Water	200.7	
180-47667-9 MSD	WS-18036-091015-009	Total Recoverable	Water	200.7	

Prep Batch: 153654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-11	WS-18036-091015-011	Total Recoverable	Water	200.7	
MB 180-153654/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 180-153654/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-47667-11 MS	WS-18036-091015-011	Total Recoverable	Water	200.7	

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Metals (Continued)

Prep Batch: 153654 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-11 MSD	WS-18036-091015-011	Total Recoverable	Water	200.7	

Analysis Batch: 153775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-1	WS-18036-091015-001	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-2	WS-18036-091015-002	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-3	WS-18036-091015-003	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-4	WS-18036-091015-004	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-5	WS-18036-091015-005	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-6	WS-18036-091015-006	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-7	WS-18036-091015-007	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-8	WS-18036-091015-008	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-9	WS-18036-091015-009	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-10	WS-18036-091015-010	Total Recoverable	Water	200.7 Rev 4.4	153573
MB 180-153573/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	153573
LCS 180-153573/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-9 MS	WS-18036-091015-009	Total Recoverable	Water	200.7 Rev 4.4	153573
180-47667-9 MSD	WS-18036-091015-009	Total Recoverable	Water	200.7 Rev 4.4	153573

Analysis Batch: 153915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-11	WS-18036-091015-011	Total Recoverable	Water	200.7 Rev 4.4	153654
MB 180-153654/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	153654
LCS 180-153654/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	153654
180-47667-11 MS	WS-18036-091015-011	Total Recoverable	Water	200.7 Rev 4.4	153654
180-47667-11 MSD	WS-18036-091015-011	Total Recoverable	Water	200.7 Rev 4.4	153654

General Chemistry

Analysis Batch: 153442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-1	WS-18036-091015-001	Total/NA	Water	SM 4500 H+ B	
180-47667-2	WS-18036-091015-002	Total/NA	Water	SM 4500 H+ B	
180-47667-3	WS-18036-091015-003	Total/NA	Water	SM 4500 H+ B	
180-47667-4	WS-18036-091015-004	Total/NA	Water	SM 4500 H+ B	
180-47667-5	WS-18036-091015-005	Total/NA	Water	SM 4500 H+ B	
180-47667-6	WS-18036-091015-006	Total/NA	Water	SM 4500 H+ B	
180-47667-7	WS-18036-091015-007	Total/NA	Water	SM 4500 H+ B	
180-47667-8	WS-18036-091015-008	Total/NA	Water	SM 4500 H+ B	
180-47667-9	WS-18036-091015-009	Total/NA	Water	SM 4500 H+ B	
LCS 180-153442/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
180-47667-9 DU	WS-18036-091015-009	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 153443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-10	WS-18036-091015-010	Total/NA	Water	SM 4500 H+ B	
180-47667-11	WS-18036-091015-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-153443/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
180-47667-10 DU	WS-18036-091015-010	Total/NA	Water	SM 4500 H+ B	

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

General Chemistry (Continued)

Analysis Batch: 153771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-47667-1	WS-18036-091015-001	Total/NA	Water	SM 2540D	
180-47667-2	WS-18036-091015-002	Total/NA	Water	SM 2540D	
180-47667-3	WS-18036-091015-003	Total/NA	Water	SM 2540D	
180-47667-4	WS-18036-091015-004	Total/NA	Water	SM 2540D	
180-47667-5	WS-18036-091015-005	Total/NA	Water	SM 2540D	
180-47667-6	WS-18036-091015-006	Total/NA	Water	SM 2540D	
180-47667-7	WS-18036-091015-007	Total/NA	Water	SM 2540D	
180-47667-8	WS-18036-091015-008	Total/NA	Water	SM 2540D	
180-47667-9	WS-18036-091015-009	Total/NA	Water	SM 2540D	
180-47667-10	WS-18036-091015-010	Total/NA	Water	SM 2540D	
180-47667-11	WS-18036-091015-011	Total/NA	Water	SM 2540D	
MB 180-153771/2	Method Blank	Total/NA	Water	SM 2540D	
LCS 180-153771/1	Lab Control Sample	Total/NA	Water	SM 2540D	
180-47667-3 DU	WS-18036-091015-003	Total/NA	Water	SM 2540D	
180-47667-9 DU	WS-18036-091015-009	Total/NA	Water	SM 2540D	

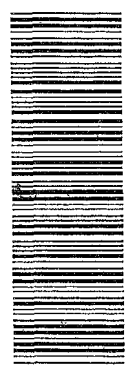


CONESTOGA-ROVERS & ASSOCIATES
 GHD Services Inc.

CHAIN OF CUSTODY RECORD
 Address: 2855 Niagara Falls Blvd, Niagara Falls, NY
 Phone: 716 297 4180 Fax: 716 297 2245

COC NO.: 48143
 PAGE 1 OF 1
 (See Reverse Side for Instructions)

Item	SAMPLE IDENTIFICATION <small>(Containers for each sample may be combined on one line)</small>	DATE <small>(mm/dd/yy)</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	Laboratory Name: Test America		Lab Location: Pittsburg L, PA		SSOW ID: 18036
																		Project Name: 18036 - 2014	Lab Contact: Jill Colussy	Carrier: Fedex	Cooler No: 2 Coolers	
Project Location: Buffalo Airport Quarterly Stormwater																						
Chemistry Contact: Kevin Lynch; Doug Oscar																						
Sampler(s): Sue Scrocchi																						
1	WS-18036-091015-001	9/10/15	0800	WS	G	2	3	1							6	3	1	1	624 VOA	2540 D TSS	SM4500 HFPH	
2	WS-18036-091015-002	9/10/15	0830	WS	G	2	3	1							6	3	1	1				
3	WS-18036-091015-003	9/10/15	0915	WS	G	2	3	1							6	3	1	1				
4	WS-18036-091015-004	9/10/15	0915	WS	G	2	3	1							6	3	1	1				
5	WS-18036-091015-005	9/10/15	1000	WS	G	2	3	1							6	3	1	1				
6	WS-18036-091015-006	9/10/15	1010	WS	G	2	3	1							6	3	1	1				
7	WS-18036-091015-007	9/10/15	1030	WS	G	2	3	1							6	3	1	1				
8	WS-18036-091015-008	9/10/15	1050	WS	G	2	3	1							6	3	1	1				
9	WS-18036-091015-009	9/10/15	1130	WS	G	4	3	1							6	3	1	1				
10	WS-18036-091015-010	9/10/15	1215	WS	G	2	3	1							6	3	1	1				
11	WS-18036-091015-011	9/10/15	1245	WS	G	2	3	1							6	3	1	1				
12	TB-18036-091015-01	9/10/15	-	TB	-	-	2	-							2	2	-	-				
13																						
14																						
15																						



180-47667 Chain of Custody

Total Number of Containers: **72** Notes/ Special Requirements: **No MS/MSD for pH**

TAT Required in business days (use separate COCs for different TATs):
 1 Day 2 Days 3 Days 1 Week 2 Week Other: **Per SSOW**

REQUISITIONED BY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
<i>[Signature]</i>	9/10/15	1330*	<i>[Signature]</i>	GHG	9/10/15	1330*

Login Sample Receipt Checklist

Client: Brausch Environmental LLC

Job Number: 180-47667-1

Login Number: 47667

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



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: 180-50683-1

Client Project/Site: Buffalo Airport

For:

Brausch Environmental LLC

5318 Alexa Road

Charlotte, North Carolina 28277

Attn: Leo Brausch



Authorized for release by:

12/29/2015 4:40:03 PM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

Review your project
results through

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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.

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Case Narrative

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Job ID: 180-50683-1

Laboratory: TestAmerica Pittsburgh

Narrative

**Job Narrative
180-50683-1**

Receipt

The samples were received on 12/11/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

The following samples were diluted to bring the concentration of target analytes within the calibration range: SW-18036-121015-04 (180-50683-4), SW-18036-121015-05 (180-50683-5), SW-18036-121015-06 (180-50683-6) and SW-18036-121015-07 (180-50683-7). Elevated reporting limits (RLs) are provided.

Metals

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

General Chemistry

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

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Definitions/Glossary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Sample Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-50683-1	SW-18036-121015-01	Water	12/10/15 08:00	12/11/15 08:50
180-50683-2	SW-18036-121015-02	Water	12/10/15 08:40	12/11/15 08:50
180-50683-3	SW-18036-121015-03	Water	12/10/15 09:15	12/11/15 08:50
180-50683-4	SW-18036-121015-04	Water	12/10/15 09:30	12/11/15 08:50
180-50683-5	SW-18036-121015-05	Water	12/10/15 10:00	12/11/15 08:50
180-50683-6	SW-18036-121015-06	Water	12/10/15 10:30	12/11/15 08:50
180-50683-7	SW-18036-121015-07	Water	12/10/15 10:30	12/11/15 08:50
180-50683-8	SW-18036-121015-08	Water	12/10/15 11:00	12/11/15 08:50
180-50683-9	SW-18036-121015-09	Water	12/10/15 11:45	12/11/15 08:50
180-50683-10	SW-18036-121015-12	Water	12/10/15 12:15	12/11/15 08:50
180-50683-11	SW-18036-121015-13	Water	12/10/15 13:00	12/11/15 08:50
180-50683-12	TB-18036-121015-01	Water	12/10/15 08:00	12/11/15 08:50

Method Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-01

Lab Sample ID: 180-50683-1

Date Collected: 12/10/15 08:00

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/15/15 16:12	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 12:41	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:58	JLR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-121015-02

Lab Sample ID: 180-50683-2

Date Collected: 12/10/15 08:40

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/15/15 16:36	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:02	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:55	JLR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-121015-03

Lab Sample ID: 180-50683-3

Date Collected: 12/10/15 09:15

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/16/15 08:36	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:08	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:50	JLR	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-04

Lab Sample ID: 180-50683-4

Date Collected: 12/10/15 09:30

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	163622	12/15/15 17:25	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:13	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:48	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-121015-05

Lab Sample ID: 180-50683-5

Date Collected: 12/10/15 10:00

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	163622	12/15/15 17:49	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:19	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:43	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-121015-06

Lab Sample ID: 180-50683-6

Date Collected: 12/10/15 10:30

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	163622	12/16/15 09:00	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:34	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:40	JLR	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-07

Lab Sample ID: 180-50683-7

Date Collected: 12/10/15 10:30

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	163622	12/16/15 09:25	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:40	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:38	JLR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-121015-08

Lab Sample ID: 180-50683-8

Date Collected: 12/10/15 11:00

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/16/15 09:49	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:45	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:35	JLR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-121015-09

Lab Sample ID: 180-50683-9

Date Collected: 12/10/15 11:45

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/15/15 20:15	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 13:51	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:33	JLR	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-12

Lab Sample ID: 180-50683-10

Date Collected: 12/10/15 12:15

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/16/15 10:13	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 14:12	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:30	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-121015-13

Lab Sample ID: 180-50683-11

Date Collected: 12/10/15 13:00

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/16/15 10:37	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	163541	12/15/15 05:34	RJR	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	163677	12/15/15 14:17	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	163654	12/15/15 13:45	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	163351	12/14/15 14:28	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: TB-18036-121015-01

Lab Sample ID: 180-50683-12

Date Collected: 12/10/15 08:00

Matrix: Water

Date Received: 12/11/15 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	163622	12/15/15 21:52	DLF	TAL PIT
Instrument ID: CHHP6										

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

RJR = Ron Rosenbaum

Batch Type: Analysis

DLF = Donald Ferguson

JLR = Jennifer Rumble

JWS = Jim Swanson

RJG = Rob Good

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Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-01

Lab Sample ID: 180-50683-1

Date Collected: 12/10/15 08:00

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/15/15 16:12	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/15/15 16:12	1
Toluene	1.0	U	1.0	0.15	ug/L			12/15/15 16:12	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/15/15 16:12	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/15/15 16:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/15/15 16:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/15/15 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135		12/15/15 16:12	1
4-Bromofluorobenzene (Surr)	95		62 - 123		12/15/15 16:12	1
Toluene-d8 (Surr)	96		71 - 118		12/15/15 16:12	1
Dibromofluoromethane (Surr)	104		64 - 128		12/15/15 16:12	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	0.25	ug/L		12/15/15 05:34	12/15/15 12:41	1
Chromium	5.0	U	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 12:41	1
Lead	10	U	10	2.0	ug/L		12/15/15 05:34	12/15/15 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.2		0.50	0.50	mg/L			12/15/15 13:45	1
pH	7.90	HF	0.100	0.100	SU			12/14/15 14:58	1

Client Sample ID: SW-18036-121015-02

Lab Sample ID: 180-50683-2

Date Collected: 12/10/15 08:40

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/15/15 16:36	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/15/15 16:36	1
Toluene	1.0	U	1.0	0.15	ug/L			12/15/15 16:36	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/15/15 16:36	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/15/15 16:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/15/15 16:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/15/15 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		12/15/15 16:36	1
4-Bromofluorobenzene (Surr)	88		62 - 123		12/15/15 16:36	1
Toluene-d8 (Surr)	91		71 - 118		12/15/15 16:36	1
Dibromofluoromethane (Surr)	109		64 - 128		12/15/15 16:36	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	0.25	ug/L		12/15/15 05:34	12/15/15 13:02	1
Chromium	5.0	U	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:02	1
Lead	10	U	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:02	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-02

Lab Sample ID: 180-50683-2

Date Collected: 12/10/15 08:40

Matrix: Water

Date Received: 12/11/15 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	54		0.50	0.50	mg/L			12/15/15 13:45	1
pH	8.19	HF	0.100	0.100	SU			12/14/15 14:55	1

Client Sample ID: SW-18036-121015-03

Lab Sample ID: 180-50683-3

Date Collected: 12/10/15 09:15

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.24	J B	1.0	0.15	ug/L			12/16/15 08:36	1
Tetrachloroethene	2.7		1.0	0.15	ug/L			12/16/15 08:36	1
Toluene	1.0	U	1.0	0.15	ug/L			12/16/15 08:36	1
Trichloroethene	25		1.0	0.14	ug/L			12/16/15 08:36	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/16/15 08:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/16/15 08:36	1
cis-1,2-Dichloroethene	13		1.0	0.24	ug/L			12/16/15 08:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		58 - 135					12/16/15 08:36	1
4-Bromofluorobenzene (Surr)	92		62 - 123					12/16/15 08:36	1
Toluene-d8 (Surr)	96		71 - 118					12/16/15 08:36	1
Dibromofluoromethane (Surr)	113		64 - 128					12/16/15 08:36	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	0.25	ug/L		12/15/15 05:34	12/15/15 13:08	1
Chromium	1.5	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:08	1
Lead	2.2	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.9		0.50	0.50	mg/L			12/15/15 13:45	1
pH	7.89	HF	0.100	0.100	SU			12/14/15 14:50	1

Client Sample ID: SW-18036-121015-04

Lab Sample ID: 180-50683-4

Date Collected: 12/10/15 09:30

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.6	J B	5.0	0.75	ug/L			12/15/15 17:25	5
Tetrachloroethene	8.6		5.0	0.74	ug/L			12/15/15 17:25	5
Toluene	5.0	U	5.0	0.75	ug/L			12/15/15 17:25	5
Trichloroethene	58		5.0	0.72	ug/L			12/15/15 17:25	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			12/15/15 17:25	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			12/15/15 17:25	5
cis-1,2-Dichloroethene	33		5.0	1.2	ug/L			12/15/15 17:25	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		58 - 135					12/15/15 17:25	5
4-Bromofluorobenzene (Surr)	91		62 - 123					12/15/15 17:25	5

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-04

Lab Sample ID: 180-50683-4

Date Collected: 12/10/15 09:30

Matrix: Water

Date Received: 12/11/15 08:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		71 - 118		12/15/15 17:25	5
Dibromofluoromethane (Surr)	107		64 - 128		12/15/15 17:25	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.25	ug/L		12/15/15 05:34	12/15/15 13:13	1
Chromium	5.2		5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:13	1
Lead	8.4	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	57		1.0	1.0	mg/L			12/15/15 13:45	1
pH	11.6	HF	0.100	0.100	SU			12/14/15 14:48	1

Client Sample ID: SW-18036-121015-05

Lab Sample ID: 180-50683-5

Date Collected: 12/10/15 10:00

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	3.3	J B	5.0	0.75	ug/L			12/15/15 17:49	5
Tetrachloroethene	1.7	J	5.0	0.74	ug/L			12/15/15 17:49	5
Toluene	5.0	U	5.0	0.75	ug/L			12/15/15 17:49	5
Trichloroethene	84		5.0	0.72	ug/L			12/15/15 17:49	5
Vinyl chloride	1.5	J	5.0	1.1	ug/L			12/15/15 17:49	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			12/15/15 17:49	5
cis-1,2-Dichloroethene	30		5.0	1.2	ug/L			12/15/15 17:49	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		58 - 135		12/15/15 17:49	5
4-Bromofluorobenzene (Surr)	93		62 - 123		12/15/15 17:49	5
Toluene-d8 (Surr)	95		71 - 118		12/15/15 17:49	5
Dibromofluoromethane (Surr)	105		64 - 128		12/15/15 17:49	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.25	ug/L		12/15/15 05:34	12/15/15 13:19	1
Chromium	3.5	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:19	1
Lead	4.8	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	64		1.0	1.0	mg/L			12/15/15 13:45	1
pH	9.44	HF	0.100	0.100	SU			12/14/15 14:43	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-06

Lab Sample ID: 180-50683-6

Date Collected: 12/10/15 10:30

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.3	J B	3.0	0.45	ug/L			12/16/15 09:00	3
Tetrachloroethene	9.2		3.0	0.45	ug/L			12/16/15 09:00	3
Toluene	3.0	U	3.0	0.45	ug/L			12/16/15 09:00	3
Trichloroethene	69		3.0	0.43	ug/L			12/16/15 09:00	3
Vinyl chloride	1.1	J	3.0	0.68	ug/L			12/16/15 09:00	3
1,2-Dichlorobenzene	3.0	U	3.0	0.46	ug/L			12/16/15 09:00	3
cis-1,2-Dichloroethene	37		3.0	0.71	ug/L			12/16/15 09:00	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		12/16/15 09:00	3
4-Bromofluorobenzene (Surr)	94		62 - 123		12/16/15 09:00	3
Toluene-d8 (Surr)	98		71 - 118		12/16/15 09:00	3
Dibromofluoromethane (Surr)	107		64 - 128		12/16/15 09:00	3

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	0.25	ug/L		12/15/15 05:34	12/15/15 13:34	1
Chromium	3.2	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:34	1
Lead	3.6	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	11		0.50	0.50	mg/L			12/15/15 13:45	1
pH	11.7	HF	0.100	0.100	SU			12/14/15 14:40	1

Client Sample ID: SW-18036-121015-07

Lab Sample ID: 180-50683-7

Date Collected: 12/10/15 10:30

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.4	J B	3.0	0.45	ug/L			12/16/15 09:25	3
Tetrachloroethene	9.5		3.0	0.45	ug/L			12/16/15 09:25	3
Toluene	3.0	U	3.0	0.45	ug/L			12/16/15 09:25	3
Trichloroethene	68		3.0	0.43	ug/L			12/16/15 09:25	3
Vinyl chloride	1.1	J	3.0	0.68	ug/L			12/16/15 09:25	3
1,2-Dichlorobenzene	3.0	U	3.0	0.46	ug/L			12/16/15 09:25	3
cis-1,2-Dichloroethene	36		3.0	0.71	ug/L			12/16/15 09:25	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		58 - 135		12/16/15 09:25	3
4-Bromofluorobenzene (Surr)	92		62 - 123		12/16/15 09:25	3
Toluene-d8 (Surr)	94		71 - 118		12/16/15 09:25	3
Dibromofluoromethane (Surr)	107		64 - 128		12/16/15 09:25	3

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	0.25	ug/L		12/15/15 05:34	12/15/15 13:40	1
Chromium	2.7	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:40	1
Lead	4.6	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:40	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-07

Lab Sample ID: 180-50683-7

Date Collected: 12/10/15 10:30

Matrix: Water

Date Received: 12/11/15 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.8		0.50	0.50	mg/L			12/15/15 13:45	1
pH	11.6	HF	0.100	0.100	SU			12/14/15 14:38	1

Client Sample ID: SW-18036-121015-08

Lab Sample ID: 180-50683-8

Date Collected: 12/10/15 11:00

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/16/15 09:49	1
Tetrachloroethene	4.4		1.0	0.15	ug/L			12/16/15 09:49	1
Toluene	1.0	U	1.0	0.15	ug/L			12/16/15 09:49	1
Trichloroethene	46		1.0	0.14	ug/L			12/16/15 09:49	1
Vinyl chloride	0.26	J	1.0	0.23	ug/L			12/16/15 09:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/16/15 09:49	1
cis-1,2-Dichloroethene	25		1.0	0.24	ug/L			12/16/15 09:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		58 - 135					12/16/15 09:49	1
4-Bromofluorobenzene (Surr)	91		62 - 123					12/16/15 09:49	1
Toluene-d8 (Surr)	95		71 - 118					12/16/15 09:49	1
Dibromofluoromethane (Surr)	109		64 - 128					12/16/15 09:49	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	0.25	ug/L		12/15/15 05:34	12/15/15 13:45	1
Chromium	3.2	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:45	1
Lead	2.1	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	120		1.0	1.0	mg/L			12/15/15 13:45	1
pH	7.85	HF	0.100	0.100	SU			12/14/15 14:35	1

Client Sample ID: SW-18036-121015-09

Lab Sample ID: 180-50683-9

Date Collected: 12/10/15 11:45

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/15/15 20:15	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/15/15 20:15	1
Toluene	1.0	U	1.0	0.15	ug/L			12/15/15 20:15	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/15/15 20:15	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/15/15 20:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/15/15 20:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/15/15 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135					12/15/15 20:15	1
4-Bromofluorobenzene (Surr)	92		62 - 123					12/15/15 20:15	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-09

Lab Sample ID: 180-50683-9

Date Collected: 12/10/15 11:45

Matrix: Water

Date Received: 12/11/15 08:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 118		12/15/15 20:15	1
Dibromofluoromethane (Surr)	106		64 - 128		12/15/15 20:15	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	0.25	ug/L		12/15/15 05:34	12/15/15 13:51	1
Chromium	1.9	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 13:51	1
Lead	3.3	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	72		2.0	2.0	mg/L			12/15/15 13:45	1
pH	7.14	HF	0.100	0.100	SU			12/14/15 14:33	1

Client Sample ID: SW-18036-121015-12

Lab Sample ID: 180-50683-10

Date Collected: 12/10/15 12:15

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/16/15 10:13	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/16/15 10:13	1
Toluene	1.0	U	1.0	0.15	ug/L			12/16/15 10:13	1
Trichloroethene	0.22	J	1.0	0.14	ug/L			12/16/15 10:13	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/16/15 10:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/16/15 10:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/16/15 10:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		12/16/15 10:13	1
4-Bromofluorobenzene (Surr)	95		62 - 123		12/16/15 10:13	1
Toluene-d8 (Surr)	96		71 - 118		12/16/15 10:13	1
Dibromofluoromethane (Surr)	117		64 - 128		12/16/15 10:13	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	0.25	ug/L		12/15/15 05:34	12/15/15 14:12	1
Chromium	1.6	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 14:12	1
Lead	2.1	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	14		1.0	1.0	mg/L			12/15/15 13:45	1
pH	7.22	HF	0.100	0.100	SU			12/14/15 14:30	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Client Sample ID: SW-18036-121015-13

Lab Sample ID: 180-50683-11

Date Collected: 12/10/15 13:00

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/16/15 10:37	1
Tetrachloroethene	1.7		1.0	0.15	ug/L			12/16/15 10:37	1
Toluene	1.0	U	1.0	0.15	ug/L			12/16/15 10:37	1
Trichloroethene	0.20	J	1.0	0.14	ug/L			12/16/15 10:37	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/16/15 10:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/16/15 10:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/16/15 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135		12/16/15 10:37	1
4-Bromofluorobenzene (Surr)	93		62 - 123		12/16/15 10:37	1
Toluene-d8 (Surr)	93		71 - 118		12/16/15 10:37	1
Dibromofluoromethane (Surr)	106		64 - 128		12/16/15 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.8	J	5.0	0.25	ug/L		12/15/15 05:34	12/15/15 14:17	1
Chromium	1.5	J	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 14:17	1
Lead	2.0	J	10	2.0	ug/L		12/15/15 05:34	12/15/15 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.3		0.50	0.50	mg/L			12/15/15 13:45	1
pH	7.64	HF	0.100	0.100	SU			12/14/15 14:28	1

Client Sample ID: TB-18036-121015-01

Lab Sample ID: 180-50683-12

Date Collected: 12/10/15 08:00

Matrix: Water

Date Received: 12/11/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	B	1.0	0.15	ug/L			12/15/15 21:52	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/15/15 21:52	1
Toluene	1.0	U	1.0	0.15	ug/L			12/15/15 21:52	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/15/15 21:52	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/15/15 21:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/15/15 21:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/15/15 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		58 - 135		12/15/15 21:52	1
4-Bromofluorobenzene (Surr)	93		62 - 123		12/15/15 21:52	1
Toluene-d8 (Surr)	94		71 - 118		12/15/15 21:52	1
Dibromofluoromethane (Surr)	109		64 - 128		12/15/15 21:52	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

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

Lab Sample ID: MB 180-163622/4

Matrix: Water

Analysis Batch: 163622

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.228	J	1.0	0.15	ug/L			12/15/15 13:50	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/15/15 13:50	1
Toluene	1.0	U	1.0	0.15	ug/L			12/15/15 13:50	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/15/15 13:50	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/15/15 13:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/15/15 13:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/15/15 13:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135		12/15/15 13:50	1
4-Bromofluorobenzene (Surr)	96		62 - 123		12/15/15 13:50	1
Toluene-d8 (Surr)	98		71 - 118		12/15/15 13:50	1
Dibromofluoromethane (Surr)	105		64 - 128		12/15/15 13:50	1

Lab Sample ID: LCS 180-163622/1002

Matrix: Water

Analysis Batch: 163622

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	9.91		ug/L		99	60 - 140
Tetrachloroethene	10.0	10.7		ug/L		107	73 - 127
Toluene	10.0	10.3		ug/L		103	74 - 126
Trichloroethene	10.0	11.5		ug/L		115	73 - 125
Vinyl chloride	10.0	9.59		ug/L		96	30 - 140
1,2-Dichlorobenzene	10.0	9.33		ug/L		93	68 - 127
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		58 - 135
4-Bromofluorobenzene (Surr)	94		62 - 123
Toluene-d8 (Surr)	97		71 - 118
Dibromofluoromethane (Surr)	103		64 - 128

Lab Sample ID: 180-50683-9 MS

Matrix: Water

Analysis Batch: 163622

Client Sample ID: SW-18036-121015-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	1.0	U	10.0	11.2		ug/L		112	60 - 140
Tetrachloroethene	1.0	U	10.0	10.1		ug/L		101	73 - 127
Toluene	1.0	U	10.0	9.66		ug/L		97	74 - 126
Trichloroethene	1.0	U	10.0	11.5		ug/L		115	73 - 125
Vinyl chloride	1.0	U	10.0	9.57		ug/L		96	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.26		ug/L		93	68 - 127
cis-1,2-Dichloroethene	1.0	U	10.0	11.0		ug/L		110	69 - 127

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

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

Lab Sample ID: 180-50683-9 MS
Matrix: Water
Analysis Batch: 163622

Client Sample ID: SW-18036-121015-10
Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		58 - 135
4-Bromofluorobenzene (Surr)	94		62 - 123
Toluene-d8 (Surr)	90		71 - 118
Dibromofluoromethane (Surr)	100		64 - 128

Lab Sample ID: 180-50683-9 MSD
Matrix: Water
Analysis Batch: 163622

Client Sample ID: SW-18036-121015-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
Methylene Chloride	1.0	U	10.0	11.7		ug/L		117	60 - 140	4	25
Tetrachloroethene	1.0	U	10.0	9.59		ug/L		96	73 - 127	5	25
Toluene	1.0	U	10.0	9.41		ug/L		94	74 - 126	3	25
Trichloroethene	1.0	U	10.0	11.5		ug/L		115	73 - 125	1	25
Vinyl chloride	1.0	U	10.0	9.28		ug/L		93	30 - 140	3	35
1,2-Dichlorobenzene	1.0	U	10.0	9.02		ug/L		90	68 - 127	3	35
cis-1,2-Dichloroethene	1.0	U	10.0	10.9		ug/L		109	69 - 127	1	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	91		71 - 118
Dibromofluoromethane (Surr)	102		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-163541/1-A
Matrix: Water
Analysis Batch: 163677

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 163541

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.25	ug/L		12/15/15 05:34	12/15/15 12:31	1
Chromium	5.0	U	5.0	0.93	ug/L		12/15/15 05:34	12/15/15 12:31	1
Lead	10	U	10	2.0	ug/L		12/15/15 05:34	12/15/15 12:31	1

Lab Sample ID: LCS 180-163541/2-A
Matrix: Water
Analysis Batch: 163677

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 163541

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Cadmium	50.0	51.0		ug/L		102	85 - 115
Chromium	200	204		ug/L		102	85 - 115
Lead	500	513		ug/L		103	85 - 115

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

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

Lab Sample ID: 180-50683-1 MS
Matrix: Water
Analysis Batch: 163677

Client Sample ID: SW-18036-121015-01
Prep Type: Total Recoverable
Prep Batch: 163541

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits	%Rec.
	Result	Qualifier		Result	Qualifier					
Cadmium	5.0	U	50.0	49.7		ug/L		99	70 - 130	
Chromium	5.0	U	200	201		ug/L		100	70 - 130	
Lead	10	U	500	512		ug/L		102	70 - 130	

Lab Sample ID: 180-50683-1 MSD
Matrix: Water
Analysis Batch: 163677

Client Sample ID: SW-18036-121015-01
Prep Type: Total Recoverable
Prep Batch: 163541

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Cadmium	5.0	U	50.0	49.8		ug/L		100	70 - 130	0	20
Chromium	5.0	U	200	200		ug/L		100	70 - 130	0	20
Lead	10	U	500	508		ug/L		102	70 - 130	1	20

Lab Sample ID: 180-50683-9 MS
Matrix: Water
Analysis Batch: 163677

Client Sample ID: SW-18036-121015-10
Prep Type: Total Recoverable
Prep Batch: 163541

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits	%Rec.
	Result	Qualifier		Result	Qualifier					
Cadmium	5.0	U	50.0	50.1		ug/L		100	70 - 130	
Chromium	1.9	J	200	205		ug/L		102	70 - 130	
Lead	3.3	J	500	517		ug/L		103	70 - 130	

Lab Sample ID: 180-50683-9 MSD
Matrix: Water
Analysis Batch: 163677

Client Sample ID: SW-18036-121015-11
Prep Type: Total Recoverable
Prep Batch: 163541

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Cadmium	5.0	U	50.0	50.9		ug/L		102	70 - 130	2	20
Chromium	1.9	J	200	209		ug/L		103	70 - 130	2	20
Lead	3.3	J	500	518		ug/L		103	70 - 130	0	20

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

Lab Sample ID: MB 180-163654/2
Matrix: Water
Analysis Batch: 163654

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	0.50	U	0.50	0.50	mg/L			12/15/15 13:45	1

Lab Sample ID: LCS 180-163654/1
Matrix: Water
Analysis Batch: 163654

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

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
Total Suspended Solids	76.7	72.0		mg/L		94	80 - 120

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

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

Lab Sample ID: 180-50683-4 DU
Matrix: Water
Analysis Batch: 163654

Client Sample ID: SW-18036-121015-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	57		57.4		mg/L		0	10

Lab Sample ID: 180-50683-9 DU
Matrix: Water
Analysis Batch: 163654

Client Sample ID: SW-18036-121015-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	72		76.4		mg/L		5	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-163351/1
Matrix: Water
Analysis Batch: 163351

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.050		SU		101	99 - 101

Lab Sample ID: 180-50683-3 DU
Matrix: Water
Analysis Batch: 163351

Client Sample ID: SW-18036-121015-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.89	HF	7.940		SU		0.6	2

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

GC/MS VOA

Analysis Batch: 163622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-50683-1	SW-18036-121015-01	Total/NA	Water	624	
180-50683-2	SW-18036-121015-02	Total/NA	Water	624	
180-50683-3	SW-18036-121015-03	Total/NA	Water	624	
180-50683-4	SW-18036-121015-04	Total/NA	Water	624	
180-50683-5	SW-18036-121015-05	Total/NA	Water	624	
180-50683-6	SW-18036-121015-06	Total/NA	Water	624	
180-50683-7	SW-18036-121015-07	Total/NA	Water	624	
180-50683-8	SW-18036-121015-08	Total/NA	Water	624	
180-50683-9	SW-18036-121015-09	Total/NA	Water	624	
180-50683-9 MS	SW-18036-121015-10	Total/NA	Water	624	
180-50683-9 MSD	SW-18036-121015-11	Total/NA	Water	624	
180-50683-10	SW-18036-121015-12	Total/NA	Water	624	
180-50683-11	SW-18036-121015-13	Total/NA	Water	624	
180-50683-12	TB-18036-121015-01	Total/NA	Water	624	
LCS 180-163622/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-163622/4	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 163541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-50683-1	SW-18036-121015-01	Total Recoverable	Water	200.7	
180-50683-1 MS	SW-18036-121015-01	Total Recoverable	Water	200.7	
180-50683-1 MSD	SW-18036-121015-01	Total Recoverable	Water	200.7	
180-50683-2	SW-18036-121015-02	Total Recoverable	Water	200.7	
180-50683-3	SW-18036-121015-03	Total Recoverable	Water	200.7	
180-50683-4	SW-18036-121015-04	Total Recoverable	Water	200.7	
180-50683-5	SW-18036-121015-05	Total Recoverable	Water	200.7	
180-50683-6	SW-18036-121015-06	Total Recoverable	Water	200.7	
180-50683-7	SW-18036-121015-07	Total Recoverable	Water	200.7	
180-50683-8	SW-18036-121015-08	Total Recoverable	Water	200.7	
180-50683-9	SW-18036-121015-09	Total Recoverable	Water	200.7	
180-50683-9 MS	SW-18036-121015-10	Total Recoverable	Water	200.7	
180-50683-9 MSD	SW-18036-121015-11	Total Recoverable	Water	200.7	
180-50683-10	SW-18036-121015-12	Total Recoverable	Water	200.7	
180-50683-11	SW-18036-121015-13	Total Recoverable	Water	200.7	
LCS 180-163541/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-163541/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 163677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-50683-1	SW-18036-121015-01	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-1 MS	SW-18036-121015-01	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-1 MSD	SW-18036-121015-01	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-2	SW-18036-121015-02	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-3	SW-18036-121015-03	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-4	SW-18036-121015-04	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-5	SW-18036-121015-05	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-6	SW-18036-121015-06	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-7	SW-18036-121015-07	Total Recoverable	Water	200.7 Rev 4.4	163541

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-50683-1

Metals (Continued)

Analysis Batch: 163677 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-50683-8	SW-18036-121015-08	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-9	SW-18036-121015-09	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-9 MS	SW-18036-121015-10	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-9 MSD	SW-18036-121015-11	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-10	SW-18036-121015-12	Total Recoverable	Water	200.7 Rev 4.4	163541
180-50683-11	SW-18036-121015-13	Total Recoverable	Water	200.7 Rev 4.4	163541
LCS 180-163541/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	163541
MB 180-163541/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	163541

General Chemistry

Analysis Batch: 163351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-50683-1	SW-18036-121015-01	Total/NA	Water	SM 4500 H+ B	
180-50683-2	SW-18036-121015-02	Total/NA	Water	SM 4500 H+ B	
180-50683-3	SW-18036-121015-03	Total/NA	Water	SM 4500 H+ B	
180-50683-3 DU	SW-18036-121015-03	Total/NA	Water	SM 4500 H+ B	
180-50683-4	SW-18036-121015-04	Total/NA	Water	SM 4500 H+ B	
180-50683-5	SW-18036-121015-05	Total/NA	Water	SM 4500 H+ B	
180-50683-6	SW-18036-121015-06	Total/NA	Water	SM 4500 H+ B	
180-50683-7	SW-18036-121015-07	Total/NA	Water	SM 4500 H+ B	
180-50683-8	SW-18036-121015-08	Total/NA	Water	SM 4500 H+ B	
180-50683-9	SW-18036-121015-09	Total/NA	Water	SM 4500 H+ B	
180-50683-10	SW-18036-121015-12	Total/NA	Water	SM 4500 H+ B	
180-50683-11	SW-18036-121015-13	Total/NA	Water	SM 4500 H+ B	
LCS 180-163351/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 163654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-50683-1	SW-18036-121015-01	Total/NA	Water	SM 2540D	
180-50683-2	SW-18036-121015-02	Total/NA	Water	SM 2540D	
180-50683-3	SW-18036-121015-03	Total/NA	Water	SM 2540D	
180-50683-4	SW-18036-121015-04	Total/NA	Water	SM 2540D	
180-50683-4 DU	SW-18036-121015-04	Total/NA	Water	SM 2540D	
180-50683-5	SW-18036-121015-05	Total/NA	Water	SM 2540D	
180-50683-6	SW-18036-121015-06	Total/NA	Water	SM 2540D	
180-50683-7	SW-18036-121015-07	Total/NA	Water	SM 2540D	
180-50683-8	SW-18036-121015-08	Total/NA	Water	SM 2540D	
180-50683-9	SW-18036-121015-09	Total/NA	Water	SM 2540D	
180-50683-9 DU	SW-18036-121015-09	Total/NA	Water	SM 2540D	
180-50683-10	SW-18036-121015-12	Total/NA	Water	SM 2540D	
180-50683-11	SW-18036-121015-13	Total/NA	Water	SM 2540D	
LCS 180-163654/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-163654/2	Method Blank	Total/NA	Water	SM 2540D	

TestAmerica Pittsburgh



CONESTOGA-ROVERS & ASSOCIATES
GHD Services Inc.

CHAIN OF CUSTODY RECORD
 Address: 2055 Niagara Falls Blvd, Niagara Falls, NY
 Phone: 716 297 6150 Fax: 716 297-2265

COC NO.: 48769
 PAGE 1 OF 1
 (See Reverse Side for Instructions)

Project No/Phase/Task Code: 018036-2014
 Project Name: Quarterly Storm Sewer Sampling
 Project Location: Buffalo Niagara Int'l. Airport
 Chemistry Contact: Sue Scrocchi
 Sampler(s): Kevin Lynch

Laboratory Name: Test America
 Lab Contact: Jill Colussy
 Lab Location: Pottsburgh, PA
 Lab Quote No: 18006817
 SOW ID: 18036
 Cobler No:

Carrier: Fedex
 Airbill No:
 Date Shipped: 12/10/15
 COMMENTS/SPECIAL INSTRUCTIONS:

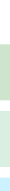
SAMPLE IDENTIFICATION (Container of each sample to be completed on site)	DATE (analytical)	TIME (lab time)	Matrix Code	(see back of COC)	Grab (g) or Comp (c)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil)	EnCores 3x5-g, 1x25-g	Other	Total Containers/Sample	MSMSD Request	ANALYSIS REQUESTED (See Back of COC for Definitions)	
																Carrier	Airbill No.
1 SW-18036-121015-01	12/10/15	0800	WS	6	2	3	1							6	3	1	PH
2 SW-18036-121015-02		0840												6	3	1	PH
3 SW-18036-121015-03		0915												6	3	1	PH
4 SW-18036-121015-04		0930												6	3	1	PH
5 SW-18036-121015-05		1000												6	3	1	PH
6 SW-18036-121015-06		1030												6	3	1	PH
7 SW-18036-121015-07		1030												6	3	1	PH
8 SW-18036-121015-08		1100												6	3	1	PH
9 SW-18036-121015-09		1145												6	3	1	PH
10 SW-18036-121015-10		1145												6	3	1	PH
11 SW-18036-121015-11		1145												6	3	1	PH
12 SW-18036-121015-12		1215												6	3	1	PH
13 SW-18036-121015-13		1300												6	3	1	PH
14																	
15 TB-18036-121015-01	12/10/15	-	TB	-										2	2	-	-

TAT Required in business days (use separate COCs for different TATs):
 1 Day 2 Days 3 Days 1 Week 2 Week Other: Per SOW

Total Number of Containers: 78
 All Samples in Cooler must be on COC
 Notes/Special Requirements: No COC on pH for MS/MS. pH ALSO Field Measured

RELINQUISH TO: GHD
 RECEIVED BY: [Signature]
 DATE: 12/10/15
 COMPANY: GHD

Distribution: WHITE - Fully Executed Copy (CRA)
 YELLOW - Receiving Laboratory Copy
 PINK - Shipper
 GREEN - GOLDE
 * Colors Sold for



180-50683 Chain of Custody

05 (20110804)

Login Sample Receipt Checklist

Client: Brausch Environmental LLC

Job Number: 180-50683-1

Login Number: 50683

List Number: 1

Creator: Neri, Tom

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	

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: 180-53155-1

Client Project/Site: Buffalo Airport

For:

Brausch Environmental LLC

5318 Alexa Road

Charlotte, North Carolina 28277

Attn: Leo Brausch



Authorized for release by:

3/31/2016 2:18:10 PM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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.

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QC Association Summary	26
Chain of Custody	29
Receipt Checklists	30

Case Narrative

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Job ID: 180-53155-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-53155-1

Receipt

The samples were received on 3/18/2016 2:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.1° C and 1.3° C.

The chain of custody did not list a sampling time for the TRIP BLANK. The earliest sample time was logged in.

GC/MS VOA

The following samples were diluted to bring the concentration of target analytes within the calibration range: SW-18036-031716-003 (180-53155-3), SW-18036-031716-004 (180-53155-4), SW-18036-031716-005 (180-53155-5) and SW-18036-031716-009 (180-53155-9). Elevated reporting limits (RLs) are provided.

Metals

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

General Chemistry

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

Definitions/Glossary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

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.
F1	MS and/or MSD Recovery is outside acceptance limits.

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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-16 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH

* Certification renewal pending - certification considered valid.



Sample Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-53155-1	SW-18036-031716-001	Water	03/17/16 07:45	03/18/16 14:15
180-53155-2	SW-18036-031716-002	Water	03/17/16 08:20	03/18/16 14:15
180-53155-3	SW-18036-031716-003	Water	03/17/16 08:45	03/18/16 14:15
180-53155-4	SW-18036-031716-004	Water	03/17/16 09:00	03/18/16 14:15
180-53155-5	SW-18036-031716-005	Water	03/17/16 09:15	03/18/16 14:15
180-53155-6	SW-18036-031716-006	Water	03/17/16 09:45	03/18/16 14:15
180-53155-9	SW-18036-031716-009	Water	03/17/16 10:15	03/18/16 14:15
180-53155-10	SW-18036-031716-010	Water	03/17/16 11:00	03/18/16 14:15
180-53155-11	SW-18036-031716-011	Water	03/17/16 11:00	03/18/16 14:15
180-53155-12	SW-18036-031716-012	Water	03/17/16 11:15	03/18/16 14:15
180-53155-13	SW-10836-031716-013	Water	03/17/16 11:45	03/18/16 14:15
180-53155-14	TB-18036-031716-001	Water	03/17/16 07:45	03/18/16 14:15

Method Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-001

Lab Sample ID: 180-53155-1

Date Collected: 03/17/16 07:45

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171549	03/23/16 21:08	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 15:18	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 14:41	JLR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-031716-002

Lab Sample ID: 180-53155-2

Date Collected: 03/17/16 08:20

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171549	03/23/16 21:32	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 15:24	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	100 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 14:44	JLR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-031716-003

Lab Sample ID: 180-53155-3

Date Collected: 03/17/16 08:45

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	171549	03/23/16 22:21	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 15:29	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 14:48	JLR	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-004

Lab Sample ID: 180-53155-4

Date Collected: 03/17/16 09:00

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	171549	03/23/16 22:45	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 15:34	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 14:52	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-031716-005

Lab Sample ID: 180-53155-5

Date Collected: 03/17/16 09:15

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	171549	03/23/16 23:09	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 15:40	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	100 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 14:55	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-031716-006

Lab Sample ID: 180-53155-6

Date Collected: 03/17/16 09:45

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171696	03/24/16 13:30	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 15:45	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 14:59	JLR	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-009

Lab Sample ID: 180-53155-9

Date Collected: 03/17/16 10:15

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	171549	03/23/16 23:33	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 16:16	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	25 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 15:03	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-031716-010

Lab Sample ID: 180-53155-10

Date Collected: 03/17/16 11:00

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171696	03/24/16 20:49	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 16:21	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	100 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 15:06	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-031716-011

Lab Sample ID: 180-53155-11

Date Collected: 03/17/16 11:00

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171696	03/24/16 21:13	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 16:26	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	50 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 15:14	JLR	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-012

Lab Sample ID: 180-53155-12

Date Collected: 03/17/16 11:15

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171696	03/24/16 21:37	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 16:32	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 15:17	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-10836-031716-013

Lab Sample ID: 180-53155-13

Date Collected: 03/17/16 11:45

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171696	03/24/16 22:01	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	171313	03/21/16 07:30	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	171626	03/23/16 16:37	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	171504	03/22/16 16:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20.0 mL	171884	03/28/16 15:25	JLR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: TB-18036-031716-001

Lab Sample ID: 180-53155-14

Date Collected: 03/17/16 07:45

Matrix: Water

Date Received: 03/18/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	171696	03/24/16 13:54	DLF	TAL PIT
Instrument ID: CHHP5										

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

ANA = Alexis Anderson

Batch Type: Analysis

DLF = Donald Ferguson

JLR = Jennifer Rumble

JWS = Jim Swanson

RJG = Rob Good

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Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-001

Lab Sample ID: 180-53155-1

Date Collected: 03/17/16 07:45

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/23/16 21:08	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/23/16 21:08	1
Toluene	1.0	U	1.0	0.15	ug/L			03/23/16 21:08	1
Trichloroethene	0.45	J	1.0	0.14	ug/L			03/23/16 21:08	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/23/16 21:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/23/16 21:08	1
cis-1,2-Dichloroethene	0.66	J	1.0	0.24	ug/L			03/23/16 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		03/23/16 21:08	1
4-Bromofluorobenzene (Surr)	94		62 - 123		03/23/16 21:08	1
Toluene-d8 (Surr)	103		71 - 118		03/23/16 21:08	1
Dibromofluoromethane (Surr)	106		64 - 128		03/23/16 21:08	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	0.25	ug/L		03/21/16 07:30	03/23/16 15:18	1
Chromium	1.1	J	5.0	0.93	ug/L		03/21/16 07:30	03/23/16 15:18	1
Lead	10	U	10	2.0	ug/L		03/21/16 07:30	03/23/16 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	0.80		0.50	0.50	mg/L			03/22/16 16:21	1
pH	8.08	HF	0.100	0.100	SU			03/28/16 14:41	1

Client Sample ID: SW-18036-031716-002

Lab Sample ID: 180-53155-2

Date Collected: 03/17/16 08:20

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/23/16 21:32	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/23/16 21:32	1
Toluene	1.0	U	1.0	0.15	ug/L			03/23/16 21:32	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			03/23/16 21:32	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/23/16 21:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/23/16 21:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/23/16 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 135		03/23/16 21:32	1
4-Bromofluorobenzene (Surr)	91		62 - 123		03/23/16 21:32	1
Toluene-d8 (Surr)	101		71 - 118		03/23/16 21:32	1
Dibromofluoromethane (Surr)	105		64 - 128		03/23/16 21:32	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	0.25	ug/L		03/21/16 07:30	03/23/16 15:24	1
Chromium	5.0	U	5.0	0.93	ug/L		03/21/16 07:30	03/23/16 15:24	1
Lead	10	U	10	2.0	ug/L		03/21/16 07:30	03/23/16 15:24	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-002

Lab Sample ID: 180-53155-2

Date Collected: 03/17/16 08:20

Matrix: Water

Date Received: 03/18/16 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	180		5.0	5.0	mg/L			03/22/16 16:21	1
pH	8.25	HF	0.100	0.100	SU			03/28/16 14:44	1

Client Sample ID: SW-18036-031716-003

Lab Sample ID: 180-53155-3

Date Collected: 03/17/16 08:45

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.4	J B	5.0	0.75	ug/L			03/23/16 22:21	5
Tetrachloroethene	5.0	U	5.0	0.74	ug/L			03/23/16 22:21	5
Toluene	5.0	U	5.0	0.75	ug/L			03/23/16 22:21	5
Trichloroethene	93		5.0	0.72	ug/L			03/23/16 22:21	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			03/23/16 22:21	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			03/23/16 22:21	5
cis-1,2-Dichloroethene	18		5.0	1.2	ug/L			03/23/16 22:21	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135					03/23/16 22:21	5
4-Bromofluorobenzene (Surr)	92		62 - 123					03/23/16 22:21	5
Toluene-d8 (Surr)	106		71 - 118					03/23/16 22:21	5
Dibromofluoromethane (Surr)	104		64 - 128					03/23/16 22:21	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.25	ug/L		03/21/16 07:30	03/23/16 15:29	1
Chromium	2.5	J	5.0	0.93	ug/L		03/21/16 07:30	03/23/16 15:29	1
Lead	10	U	10	2.0	ug/L		03/21/16 07:30	03/23/16 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	0.50	U	0.50	0.50	mg/L			03/22/16 16:21	1
pH	8.25	HF	0.100	0.100	SU			03/28/16 14:48	1

Client Sample ID: SW-18036-031716-004

Lab Sample ID: 180-53155-4

Date Collected: 03/17/16 09:00

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	J B	3.0	0.45	ug/L			03/23/16 22:45	3
Tetrachloroethene	7.5		3.0	0.45	ug/L			03/23/16 22:45	3
Toluene	3.0	U	3.0	0.45	ug/L			03/23/16 22:45	3
Trichloroethene	52		3.0	0.43	ug/L			03/23/16 22:45	3
Vinyl chloride	0.84	J	3.0	0.68	ug/L			03/23/16 22:45	3
1,2-Dichlorobenzene	3.0	U	3.0	0.46	ug/L			03/23/16 22:45	3
cis-1,2-Dichloroethene	26		3.0	0.71	ug/L			03/23/16 22:45	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 135					03/23/16 22:45	3
4-Bromofluorobenzene (Surr)	92		62 - 123					03/23/16 22:45	3

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-004

Lab Sample ID: 180-53155-4

Date Collected: 03/17/16 09:00

Matrix: Water

Date Received: 03/18/16 14:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 118		03/23/16 22:45	3
Dibromofluoromethane (Surr)	106		64 - 128		03/23/16 22:45	3

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	0.25	ug/L		03/21/16 07:30	03/23/16 15:34	1
Chromium	6.6		5.0	0.93	ug/L		03/21/16 07:30	03/23/16 15:34	1
Lead	2.2	J	10	2.0	ug/L		03/21/16 07:30	03/23/16 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	100		1.0	1.0	mg/L			03/22/16 16:21	1
pH	11.0	HF	0.100	0.100	SU			03/28/16 14:52	1

Client Sample ID: SW-18036-031716-005

Lab Sample ID: 180-53155-5

Date Collected: 03/17/16 09:15

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.5	J B	5.0	0.75	ug/L			03/23/16 23:09	5
Tetrachloroethene	5.0	U	5.0	0.74	ug/L			03/23/16 23:09	5
Toluene	5.0	U	5.0	0.75	ug/L			03/23/16 23:09	5
Trichloroethene	77		5.0	0.72	ug/L			03/23/16 23:09	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			03/23/16 23:09	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			03/23/16 23:09	5
cis-1,2-Dichloroethene	20		5.0	1.2	ug/L			03/23/16 23:09	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		03/23/16 23:09	5
4-Bromofluorobenzene (Surr)	88		62 - 123		03/23/16 23:09	5
Toluene-d8 (Surr)	102		71 - 118		03/23/16 23:09	5
Dibromofluoromethane (Surr)	105		64 - 128		03/23/16 23:09	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.25	ug/L		03/21/16 07:30	03/23/16 15:40	1
Chromium	13		5.0	0.93	ug/L		03/21/16 07:30	03/23/16 15:40	1
Lead	6.5	J	10	2.0	ug/L		03/21/16 07:30	03/23/16 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	330		5.0	5.0	mg/L			03/22/16 16:21	1
pH	8.94	HF	0.100	0.100	SU			03/28/16 14:55	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-006

Lab Sample ID: 180-53155-6

Date Collected: 03/17/16 09:45

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/24/16 13:30	1
Tetrachloroethene	6.8		1.0	0.15	ug/L			03/24/16 13:30	1
Toluene	1.0	U	1.0	0.15	ug/L			03/24/16 13:30	1
Trichloroethene	37	F1	1.0	0.14	ug/L			03/24/16 13:30	1
Vinyl chloride	1.1		1.0	0.23	ug/L			03/24/16 13:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/24/16 13:30	1
cis-1,2-Dichloroethene	19	F1	1.0	0.24	ug/L			03/24/16 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135		03/24/16 13:30	1
4-Bromofluorobenzene (Surr)	90		62 - 123		03/24/16 13:30	1
Toluene-d8 (Surr)	97		71 - 118		03/24/16 13:30	1
Dibromofluoromethane (Surr)	102		64 - 128		03/24/16 13:30	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	0.25	ug/L		03/21/16 07:30	03/23/16 15:45	1
Chromium	6.5		5.0	0.93	ug/L		03/21/16 07:30	03/23/16 15:45	1
Lead	10	U	10	2.0	ug/L		03/21/16 07:30	03/23/16 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	55		0.50	0.50	mg/L			03/22/16 16:21	1
pH	11.0	HF	0.100	0.100	SU			03/28/16 14:59	1

Client Sample ID: SW-18036-031716-009

Lab Sample ID: 180-53155-9

Date Collected: 03/17/16 10:15

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.7	J B	5.0	0.75	ug/L			03/23/16 23:33	5
Tetrachloroethene	5.0	U	5.0	0.74	ug/L			03/23/16 23:33	5
Toluene	5.0	U	5.0	0.75	ug/L			03/23/16 23:33	5
Trichloroethene	130		5.0	0.72	ug/L			03/23/16 23:33	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			03/23/16 23:33	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			03/23/16 23:33	5
cis-1,2-Dichloroethene	23		5.0	1.2	ug/L			03/23/16 23:33	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 135		03/23/16 23:33	5
4-Bromofluorobenzene (Surr)	94		62 - 123		03/23/16 23:33	5
Toluene-d8 (Surr)	104		71 - 118		03/23/16 23:33	5
Dibromofluoromethane (Surr)	105		64 - 128		03/23/16 23:33	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.41	J	5.0	0.25	ug/L		03/21/16 07:30	03/23/16 16:16	1
Chromium	35		5.0	0.93	ug/L		03/21/16 07:30	03/23/16 16:16	1
Lead	49		10	2.0	ug/L		03/21/16 07:30	03/23/16 16:16	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-009

Lab Sample ID: 180-53155-9

Date Collected: 03/17/16 10:15

Matrix: Water

Date Received: 03/18/16 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1300		20	20	mg/L			03/22/16 16:21	1
pH	8.34	HF	0.100	0.100	SU			03/28/16 15:03	1

Client Sample ID: SW-18036-031716-010

Lab Sample ID: 180-53155-10

Date Collected: 03/17/16 11:00

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/24/16 20:49	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/24/16 20:49	1
Toluene	0.18	J	1.0	0.15	ug/L			03/24/16 20:49	1
Trichloroethene	0.18	J	1.0	0.14	ug/L			03/24/16 20:49	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/24/16 20:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/24/16 20:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/24/16 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 135					03/24/16 20:49	1
4-Bromofluorobenzene (Surr)	96		62 - 123					03/24/16 20:49	1
Toluene-d8 (Surr)	104		71 - 118					03/24/16 20:49	1
Dibromofluoromethane (Surr)	105		64 - 128					03/24/16 20:49	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	0.25	ug/L		03/21/16 07:30	03/23/16 16:21	1
Chromium	13		5.0	0.93	ug/L		03/21/16 07:30	03/23/16 16:21	1
Lead	15		10	2.0	ug/L		03/21/16 07:30	03/23/16 16:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	170		5.0	5.0	mg/L			03/22/16 16:21	1
pH	8.10	HF	0.100	0.100	SU			03/28/16 15:06	1

Client Sample ID: SW-18036-031716-011

Lab Sample ID: 180-53155-11

Date Collected: 03/17/16 11:00

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/24/16 21:13	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/24/16 21:13	1
Toluene	0.16	J	1.0	0.15	ug/L			03/24/16 21:13	1
Trichloroethene	0.14	J	1.0	0.14	ug/L			03/24/16 21:13	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/24/16 21:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/24/16 21:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/24/16 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135					03/24/16 21:13	1
4-Bromofluorobenzene (Surr)	91		62 - 123					03/24/16 21:13	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-18036-031716-011

Lab Sample ID: 180-53155-11

Date Collected: 03/17/16 11:00

Matrix: Water

Date Received: 03/18/16 14:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 118		03/24/16 21:13	1
Dibromofluoromethane (Surr)	104		64 - 128		03/24/16 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.32	J	5.0	0.25	ug/L		03/21/16 07:30	03/23/16 16:26	1
Chromium	16		5.0	0.93	ug/L		03/21/16 07:30	03/23/16 16:26	1
Lead	21		10	2.0	ug/L		03/21/16 07:30	03/23/16 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	660		10	10	mg/L			03/22/16 16:21	1
pH	7.84	HF	0.100	0.100	SU			03/28/16 15:14	1

Client Sample ID: SW-18036-031716-012

Lab Sample ID: 180-53155-12

Date Collected: 03/17/16 11:15

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/24/16 21:37	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/24/16 21:37	1
Toluene	1.0	U	1.0	0.15	ug/L			03/24/16 21:37	1
Trichloroethene	0.21	J	1.0	0.14	ug/L			03/24/16 21:37	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/24/16 21:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/24/16 21:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/24/16 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 135		03/24/16 21:37	1
4-Bromofluorobenzene (Surr)	95		62 - 123		03/24/16 21:37	1
Toluene-d8 (Surr)	104		71 - 118		03/24/16 21:37	1
Dibromofluoromethane (Surr)	105		64 - 128		03/24/16 21:37	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	0.25	ug/L		03/21/16 07:30	03/23/16 16:32	1
Chromium	5.2		5.0	0.93	ug/L		03/21/16 07:30	03/23/16 16:32	1
Lead	4.7	J	10	2.0	ug/L		03/21/16 07:30	03/23/16 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	11		2.0	2.0	mg/L			03/22/16 16:21	1
pH	8.20	HF	0.100	0.100	SU			03/28/16 15:17	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Client Sample ID: SW-10836-031716-013

Lab Sample ID: 180-53155-13

Date Collected: 03/17/16 11:45

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/24/16 22:01	1
Tetrachloroethene	1.3		1.0	0.15	ug/L			03/24/16 22:01	1
Toluene	1.0	U	1.0	0.15	ug/L			03/24/16 22:01	1
Trichloroethene	0.17	J	1.0	0.14	ug/L			03/24/16 22:01	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/24/16 22:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/24/16 22:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/24/16 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 135		03/24/16 22:01	1
4-Bromofluorobenzene (Surr)	88		62 - 123		03/24/16 22:01	1
Toluene-d8 (Surr)	101		71 - 118		03/24/16 22:01	1
Dibromofluoromethane (Surr)	105		64 - 128		03/24/16 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.5	J	5.0	0.25	ug/L		03/21/16 07:30	03/23/16 16:37	1
Chromium	0.97	J	5.0	0.93	ug/L		03/21/16 07:30	03/23/16 16:37	1
Lead	10	U	10	2.0	ug/L		03/21/16 07:30	03/23/16 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	7.7		0.50	0.50	mg/L			03/22/16 16:21	1
pH	7.91	HF	0.100	0.100	SU			03/28/16 15:25	1

Client Sample ID: TB-18036-031716-001

Lab Sample ID: 180-53155-14

Date Collected: 03/17/16 07:45

Matrix: Water

Date Received: 03/18/16 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.54	J	1.0	0.15	ug/L			03/24/16 13:54	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/24/16 13:54	1
Toluene	1.0	U	1.0	0.15	ug/L			03/24/16 13:54	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			03/24/16 13:54	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/24/16 13:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/24/16 13:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/24/16 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		58 - 135		03/24/16 13:54	1
4-Bromofluorobenzene (Surr)	96		62 - 123		03/24/16 13:54	1
Toluene-d8 (Surr)	102		71 - 118		03/24/16 13:54	1
Dibromofluoromethane (Surr)	106		64 - 128		03/24/16 13:54	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

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

Lab Sample ID: MB 180-171549/6

Matrix: Water

Analysis Batch: 171549

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.307	J	1.0	0.15	ug/L			03/23/16 11:49	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/23/16 11:49	1
Toluene	1.0	U	1.0	0.15	ug/L			03/23/16 11:49	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			03/23/16 11:49	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/23/16 11:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/23/16 11:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/23/16 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		58 - 135		03/23/16 11:49	1
4-Bromofluorobenzene (Surr)	85		62 - 123		03/23/16 11:49	1
Toluene-d8 (Surr)	102		71 - 118		03/23/16 11:49	1
Dibromofluoromethane (Surr)	100		64 - 128		03/23/16 11:49	1

Lab Sample ID: LCS 180-171549/1002

Matrix: Water

Analysis Batch: 171549

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	10.4		ug/L		104	60 - 140
Tetrachloroethene	10.0	11.2		ug/L		112	73 - 127
Toluene	10.0	11.6		ug/L		116	74 - 126
Trichloroethene	10.0	11.4		ug/L		114	73 - 125
Vinyl chloride	10.0	8.77		ug/L		88	30 - 140
1,2-Dichlorobenzene	10.0	9.36		ug/L		94	68 - 127
cis-1,2-Dichloroethene	10.0	10.5		ug/L		105	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	108		71 - 118
Dibromofluoromethane (Surr)	99		64 - 128

Lab Sample ID: 180-53149-B-7 MSD

Matrix: Water

Analysis Batch: 171549

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	1.0	U	10.0	7.63		ug/L		76	60 - 140	9	25
Tetrachloroethene	1.0	U	10.0	9.51		ug/L		95	73 - 127	6	25
Toluene	1.0	U	10.0	9.68		ug/L		97	74 - 126	7	25
Trichloroethene	0.30	J	10.0	9.23		ug/L		89	73 - 125	7	25
Vinyl chloride	5.6		10.0	12.2		ug/L		66	30 - 140	11	35
1,2-Dichlorobenzene	1.0	U	10.0	8.85		ug/L		88	68 - 127	4	35
cis-1,2-Dichloroethene	3.5		10.0	12.0		ug/L		85	69 - 127	3	20

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

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

Lab Sample ID: 180-53149-B-7 MSD
Matrix: Water
Analysis Batch: 171549

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

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	86		58 - 135
4-Bromofluorobenzene (Surr)	88		62 - 123
Toluene-d8 (Surr)	102		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

Lab Sample ID: 180-53149-C-7 MS
Matrix: Water
Analysis Batch: 171549

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Methylene Chloride	1.0	U	10.0	8.38		ug/L		84	60 - 140
Tetrachloroethene	1.0	U	10.0	10.1		ug/L		101	73 - 127
Toluene	1.0	U	10.0	10.4		ug/L		104	74 - 126
Trichloroethene	0.30	J	10.0	9.94		ug/L		96	73 - 125
Vinyl chloride	5.6		10.0	13.5		ug/L		79	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.17		ug/L		92	68 - 127
cis-1,2-Dichloroethene	3.5		10.0	12.3		ug/L		88	69 - 127

Surrogate	MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	90		62 - 123
Toluene-d8 (Surr)	103		71 - 118
Dibromofluoromethane (Surr)	99		64 - 128

Lab Sample ID: MB 180-171696/4
Matrix: Water
Analysis Batch: 171696

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	1.0	U	1.0	0.15	ug/L			03/24/16 12:51	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/24/16 12:51	1
Toluene	1.0	U	1.0	0.15	ug/L			03/24/16 12:51	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			03/24/16 12:51	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			03/24/16 12:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			03/24/16 12:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/24/16 12:51	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		03/24/16 12:51	1
4-Bromofluorobenzene (Surr)	94		62 - 123		03/24/16 12:51	1
Toluene-d8 (Surr)	101		71 - 118		03/24/16 12:51	1
Dibromofluoromethane (Surr)	104		64 - 128		03/24/16 12:51	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

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

Lab Sample ID: LCS 180-171696/1002

Matrix: Water

Analysis Batch: 171696

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	8.98		ug/L		90	60 - 140
Tetrachloroethene	10.0	10.7		ug/L		107	73 - 127
Toluene	10.0	11.2		ug/L		112	74 - 126
Trichloroethene	10.0	10.2		ug/L		102	73 - 125
Vinyl chloride	10.0	8.30		ug/L		83	30 - 140
1,2-Dichlorobenzene	10.0	9.25		ug/L		92	68 - 127
cis-1,2-Dichloroethene	10.0	9.96		ug/L		100	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	109		71 - 118
Dibromofluoromethane (Surr)	101		64 - 128

Lab Sample ID: 180-53155-6 MS

Matrix: Water

Analysis Batch: 171696

Client Sample ID: SW-18036-031716-007

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	1.0	U	10.0	9.04		ug/L		90	60 - 140
Tetrachloroethene	6.8		10.0	18.0		ug/L		111	73 - 127
Toluene	1.0	U	10.0	11.2		ug/L		112	74 - 126
Trichloroethene	37	F1	10.0	44.8		ug/L		76	73 - 125
Vinyl chloride	1.1		10.0	9.10		ug/L		80	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.02		ug/L		90	68 - 127
cis-1,2-Dichloroethene	19	F1	10.0	28.7		ug/L		101	69 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		58 - 135
4-Bromofluorobenzene (Surr)	91		62 - 123
Toluene-d8 (Surr)	104		71 - 118
Dibromofluoromethane (Surr)	97		64 - 128

Lab Sample ID: 180-53155-6 MSD

Matrix: Water

Analysis Batch: 171696

Client Sample ID: SW-18036-031716-008

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	1.0	U	10.0	9.65		ug/L		96	60 - 140	7	25
Tetrachloroethene	6.8		10.0	15.4		ug/L		86	73 - 127	15	25
Toluene	1.0	U	10.0	10.4		ug/L		104	74 - 126	7	25
Trichloroethene	37	F1	10.0	38.7	F1	ug/L		15	73 - 125	15	25
Vinyl chloride	1.1		10.0	8.40		ug/L		73	30 - 140	8	35
1,2-Dichlorobenzene	1.0	U	10.0	9.11		ug/L		91	68 - 127	1	35
cis-1,2-Dichloroethene	19	F1	10.0	25.0	F1	ug/L		64	69 - 127	14	20

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

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

Lab Sample ID: 180-53155-6 MSD
Matrix: Water
Analysis Batch: 171696

Client Sample ID: SW-18036-031716-008
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85	U	58 - 135
4-Bromofluorobenzene (Surr)	92	U	62 - 123
Toluene-d8 (Surr)	98	U	71 - 118
Dibromofluoromethane (Surr)	93	U	64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-171313/1-A
Matrix: Water
Analysis Batch: 171626

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 171313

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.25	ug/L		03/21/16 07:30	03/23/16 15:09	1
Chromium	5.0	U	5.0	0.93	ug/L		03/21/16 07:30	03/23/16 15:09	1
Lead	10	U	10	2.0	ug/L		03/21/16 07:30	03/23/16 15:09	1

Lab Sample ID: LCS 180-171313/2-A
Matrix: Water
Analysis Batch: 171626

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 171313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cadmium	50.0	50.9	U	ug/L		102	85 - 115
Chromium	200	195	U	ug/L		97	85 - 115
Lead	500	491	U	ug/L		98	85 - 115

Lab Sample ID: 180-53155-6 MS
Matrix: Water
Analysis Batch: 171626

Client Sample ID: SW-18036-031716-007
Prep Type: Total Recoverable
Prep Batch: 171313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cadmium	5.0	U	50.0	53.0	U	ug/L		106	70 - 130
Chromium	6.5	U	200	201	U	ug/L		97	70 - 130
Lead	10	U	500	502	U	ug/L		100	70 - 130

Lab Sample ID: 180-53155-6 MSD
Matrix: Water
Analysis Batch: 171626

Client Sample ID: SW-18036-031716-008
Prep Type: Total Recoverable
Prep Batch: 171313

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Cadmium	5.0	U	50.0	53.1	U	ug/L		106	70 - 130	0	20
Chromium	6.5	U	200	200	U	ug/L		97	70 - 130	1	20
Lead	10	U	500	502	U	ug/L		100	70 - 130	0	20

Lab Sample ID: 180-53155-13 MS
Matrix: Water
Analysis Batch: 171626

Client Sample ID: SW-10836-031716-013
Prep Type: Total Recoverable
Prep Batch: 171313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cadmium	1.5	J	50.0	54.5	U	ug/L		106	70 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

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

Lab Sample ID: 180-53155-13 MS
Matrix: Water
Analysis Batch: 171626

Client Sample ID: SW-10836-031716-013
Prep Type: Total Recoverable
Prep Batch: 171313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.97	J	200	194		ug/L		97	70 - 130
Lead	10	U	500	504		ug/L		101	70 - 130

Lab Sample ID: 180-53155-13 MSD
Matrix: Water
Analysis Batch: 171626

Client Sample ID: SW-10836-031716-013
Prep Type: Total Recoverable
Prep Batch: 171313

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cadmium	1.5	J	50.0	53.7		ug/L		104	70 - 130	1	20
Chromium	0.97	J	200	194		ug/L		96	70 - 130	0	20
Lead	10	U	500	495		ug/L		99	70 - 130	2	20

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

Lab Sample ID: MB 180-171504/2
Matrix: Water
Analysis Batch: 171504

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	0.50	U	0.50	0.50	mg/L			03/22/16 16:21	1

Lab Sample ID: LCS 180-171504/1
Matrix: Water
Analysis Batch: 171504

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	58.0	56.0		mg/L		97	80 - 120

Lab Sample ID: 180-53155-4 DU
Matrix: Water
Analysis Batch: 171504

Client Sample ID: SW-18036-031716-004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	100		101		mg/L		0.6	10

Lab Sample ID: 180-53155-6 DU
Matrix: Water
Analysis Batch: 171504

Client Sample ID: SW-18036-031716-006
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	55		55.6		mg/L		2	10

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-171884/1
 Matrix: Water
 Analysis Batch: 171884

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	7.040		SU		101	99 - 101

Lab Sample ID: 180-53155-12 DU
 Matrix: Water
 Analysis Batch: 171884

Client Sample ID: SW-18036-031716-012
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.20	HF	8.340		SU		2	2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

GC/MS VOA

Analysis Batch: 171549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-53149-B-7 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-53149-C-7 MS	Matrix Spike	Total/NA	Water	624	
180-53155-1	SW-18036-031716-001	Total/NA	Water	624	
180-53155-2	SW-18036-031716-002	Total/NA	Water	624	
180-53155-3	SW-18036-031716-003	Total/NA	Water	624	
180-53155-4	SW-18036-031716-004	Total/NA	Water	624	
180-53155-5	SW-18036-031716-005	Total/NA	Water	624	
180-53155-9	SW-18036-031716-009	Total/NA	Water	624	
LCS 180-171549/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-171549/6	Method Blank	Total/NA	Water	624	

Analysis Batch: 171696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-53155-6	SW-18036-031716-006	Total/NA	Water	624	
180-53155-6 MS	SW-18036-031716-007	Total/NA	Water	624	
180-53155-6 MSD	SW-18036-031716-008	Total/NA	Water	624	
180-53155-10	SW-18036-031716-010	Total/NA	Water	624	
180-53155-11	SW-18036-031716-011	Total/NA	Water	624	
180-53155-12	SW-18036-031716-012	Total/NA	Water	624	
180-53155-13	SW-10836-031716-013	Total/NA	Water	624	
180-53155-14	TB-18036-031716-001	Total/NA	Water	624	
LCS 180-171696/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-171696/4	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 171313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-53155-1	SW-18036-031716-001	Total Recoverable	Water	200.7	
180-53155-2	SW-18036-031716-002	Total Recoverable	Water	200.7	
180-53155-3	SW-18036-031716-003	Total Recoverable	Water	200.7	
180-53155-4	SW-18036-031716-004	Total Recoverable	Water	200.7	
180-53155-5	SW-18036-031716-005	Total Recoverable	Water	200.7	
180-53155-6	SW-18036-031716-006	Total Recoverable	Water	200.7	
180-53155-6 MS	SW-18036-031716-007	Total Recoverable	Water	200.7	
180-53155-6 MSD	SW-18036-031716-008	Total Recoverable	Water	200.7	
180-53155-9	SW-18036-031716-009	Total Recoverable	Water	200.7	
180-53155-10	SW-18036-031716-010	Total Recoverable	Water	200.7	
180-53155-11	SW-18036-031716-011	Total Recoverable	Water	200.7	
180-53155-12	SW-18036-031716-012	Total Recoverable	Water	200.7	
180-53155-13	SW-10836-031716-013	Total Recoverable	Water	200.7	
180-53155-13 MS	SW-10836-031716-013	Total Recoverable	Water	200.7	
180-53155-13 MSD	SW-10836-031716-013	Total Recoverable	Water	200.7	
LCS 180-171313/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-171313/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 171626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-53155-1	SW-18036-031716-001	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-2	SW-18036-031716-002	Total Recoverable	Water	200.7 Rev 4.4	171313

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

Metals (Continued)

Analysis Batch: 171626 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-53155-3	SW-18036-031716-003	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-4	SW-18036-031716-004	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-5	SW-18036-031716-005	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-6	SW-18036-031716-006	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-6 MS	SW-18036-031716-007	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-6 MSD	SW-18036-031716-008	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-9	SW-18036-031716-009	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-10	SW-18036-031716-010	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-11	SW-18036-031716-011	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-12	SW-18036-031716-012	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-13	SW-10836-031716-013	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-13 MS	SW-10836-031716-013	Total Recoverable	Water	200.7 Rev 4.4	171313
180-53155-13 MSD	SW-10836-031716-013	Total Recoverable	Water	200.7 Rev 4.4	171313
LCS 180-171313/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	171313
MB 180-171313/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	171313

General Chemistry

Analysis Batch: 171504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-53155-1	SW-18036-031716-001	Total/NA	Water	SM 2540D	
180-53155-2	SW-18036-031716-002	Total/NA	Water	SM 2540D	
180-53155-3	SW-18036-031716-003	Total/NA	Water	SM 2540D	
180-53155-4	SW-18036-031716-004	Total/NA	Water	SM 2540D	
180-53155-4 DU	SW-18036-031716-004	Total/NA	Water	SM 2540D	
180-53155-5	SW-18036-031716-005	Total/NA	Water	SM 2540D	
180-53155-6	SW-18036-031716-006	Total/NA	Water	SM 2540D	
180-53155-6 DU	SW-18036-031716-006	Total/NA	Water	SM 2540D	
180-53155-9	SW-18036-031716-009	Total/NA	Water	SM 2540D	
180-53155-10	SW-18036-031716-010	Total/NA	Water	SM 2540D	
180-53155-11	SW-18036-031716-011	Total/NA	Water	SM 2540D	
180-53155-12	SW-18036-031716-012	Total/NA	Water	SM 2540D	
180-53155-13	SW-10836-031716-013	Total/NA	Water	SM 2540D	
LCS 180-171504/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-171504/2	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 171884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-53155-1	SW-18036-031716-001	Total/NA	Water	SM 4500 H+ B	
180-53155-2	SW-18036-031716-002	Total/NA	Water	SM 4500 H+ B	
180-53155-3	SW-18036-031716-003	Total/NA	Water	SM 4500 H+ B	
180-53155-4	SW-18036-031716-004	Total/NA	Water	SM 4500 H+ B	
180-53155-5	SW-18036-031716-005	Total/NA	Water	SM 4500 H+ B	
180-53155-6	SW-18036-031716-006	Total/NA	Water	SM 4500 H+ B	
180-53155-9	SW-18036-031716-009	Total/NA	Water	SM 4500 H+ B	
180-53155-10	SW-18036-031716-010	Total/NA	Water	SM 4500 H+ B	
180-53155-11	SW-18036-031716-011	Total/NA	Water	SM 4500 H+ B	
180-53155-12	SW-18036-031716-012	Total/NA	Water	SM 4500 H+ B	
180-53155-12 DU	SW-18036-031716-012	Total/NA	Water	SM 4500 H+ B	
180-53155-13	SW-10836-031716-013	Total/NA	Water	SM 4500 H+ B	

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-53155-1

General Chemistry (Continued)

Analysis Batch: 171884 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-171884/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

- 1
- 2
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CONESTOGA-ROVERS & ASSOCIATES
GHD Services Inc.

CHAIN OF CUSTODY RECORD

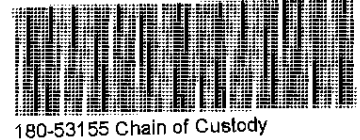
Address: 2055 Niagara Falls Blvd, Niagara Falls, NY
Phone: 716 297 6150 Fax: 716 297 2265

COC NO.: 48146

PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No/Phase/Task Code: 18036-2014			Laboratory Name: Test America							Lab Location: Pittsburgh, PA			SSOW ID:			
Project Name: Quarterly Storm Sewer Sampling-CBS			Lab Contact: Jill Calussy							Lab Quote No: 18006817			Cooler No: 2 Coolers			
Project Location: Buffalo - Niagara International Airport			CONTAINER QUANTITY & PRESERVATION							ANALYSIS REQUESTED (See Back of COC for Definitions)			Carrier: FedEx			
Chemistry Contact: Sue Scrocchi			SAMPLE TYPE							Date Shipped: 3/17/16			Airbill No:			
Sampler(s): Kevin Lynch Doug Oscar			Matrix Code (see back of COC)							MSD Request			COMMENT:			
Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code	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	MSD Request	COMMENT:
1	SW-18036-031716-001	3/17/16	0745	W	G	2	3	1						6	624 PPL VOCs	
2	SW-18036-031716-002		0820			2	3	1						6	200.7 Metals	
3	SW-18036-031716-003		0845			2	3	1						6	2540D TSS	
4	SW-18036-031716-004		0900			2	3	1						6		
5	SW-18036-031716-005		0915			2	3	1						6		
6	SW-18036-031716-006		0945			2	3	1						6		
7	SW-18036-031716-007		0945			1	3	1						5		
8	SW-18036-031716-008		0945			1	3	1						5		
9	SW-18036-031716-009		1015			2	3	1						6		
10	SW-18036-031716-010		1100			2	3	1						6		
11	SW-18036-031716-011		1100			2	3	1						6		
12	SW-18036-031716-012		1115			2	3	1						6		
13	SW-18036-031716-013		1145			2	3	1						6		
14	TB-18036-031716-001	3/17/16		W	G	-	2	-						2		
15	Temp blank in cooler															
TAT Required in business days (use separate COCs for different TATs): <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <input checked="" type="checkbox"/> Other: Per CBS Contract										Total Number of Containers: 78		Notes/ Special Requirements: NO QC FOR pH pH Field measured also Elevated pH noted - may affect preservation				
All Samples in Cooler must be on COC																
RELINQUISHED BY		COMPANY		DATE		TIME		RECEIVED BY		COMPANY		DATE		TIME		
[Signature]		GHD		3/17/16		1300 *		Denise Watson		TAP		3-18-16		HILS		



180-53155 Chain of Custody

High pH - 11.8
High pH - 10.01
X High pH - 11.6
X MS/MSD
X High pH - 11.6
Bubble in both Vials

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Login Sample Receipt Checklist

Client: Brausch Environmental LLC

Job Number: 180-53155-1

Login Number: 53155

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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: 180-55991-1

Client Project/Site: Buffalo Airport

For:

Brausch Environmental LLC

5318 Alexa Road

Charlotte, North Carolina 28277

Attn: Leo Brausch



Authorized for release by:

7/6/2016 3:02:47 PM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

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results through

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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: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Job ID: 180-55991-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-55991-1

Receipt

The samples were received on 6/24/2016 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.9° C, 3.8° C and 4.4° C.

The chain of custody was not relinquished by the client.

One out of three VOA vials for the following sample was received broken or leaking: SW-18036-062316-010 (180-55991-10).

One of the VOA vials for sample SW-18036-062316-001 was identified as SW-18036-062316-011.

GC/MS VOA

The following volatiles samples was diluted due to foaming at the time of purging during the original sample analysis: SW-18036-062316-003 (180-55991-3), SW-18036-062316-004 (180-55991-4), SW-18036-062316-005 (180-55991-5), SW-18036-062316-009 (180-55991-9), and : SW-18036-062316-010 (180-55991-10). Elevated reporting limits (RLs) are provided.

The following samples were diluted to bring the concentration of target analytes within the calibration range: SW-18036-062316-005 (180-55991-5), SW-18036-062316-006 (180-55991-6) and SW-18036-062316-007 (180-55991-7). Elevated reporting limits (RLs) are provided.

Metals

Due to sample matrix effect on the internal standard (ISTD); indium was suppressed; a dilution was required for the following sample: SW-18036-062316-006 (180-55991-6). Elevated reporting limits (RLs) are provided.

General Chemistry

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

Definitions/Glossary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Qualifiers

GC/MS VOA

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

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH

- 1
- 2
- 3
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Sample Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-55991-1	SW-18036-062316-001	Water	06/23/16 08:00	06/24/16 08:50
180-55991-2	SW-18036-062316-002	Water	06/23/16 09:00	06/24/16 08:50
180-55991-3	SW-18036-062316-003	Water	06/23/16 09:30	06/24/16 08:50
180-55991-4	SW-18036-062316-004	Water	06/23/16 09:45	06/24/16 08:50
180-55991-5	SW-18036-062316-005	Water	06/23/16 10:15	06/24/16 08:50
180-55991-6	SW-18036-062316-006	Water	06/23/16 10:15	06/24/16 08:50
180-55991-7	SW-18036-062316-007	Water	06/23/16 10:45	06/24/16 08:50
180-55991-8	SW-18036-062316-008	Water	06/23/16 11:30	06/24/16 08:50
180-55991-9	SW-18036-062316-009	Water	06/23/16 12:00	06/24/16 08:50
180-55991-10	SW-18036-062316-010	Water	06/23/16 12:45	06/24/16 08:50
180-55991-11	SW-18036-062316-011	Water	06/23/16 13:15	06/24/16 08:50
180-55991-12	TB-18036-062316-001	Water	06/23/16 08:00	06/24/16 08:50

Method Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-001

Lab Sample ID: 180-55991-1

Date Collected: 06/23/16 08:00

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	180567	06/29/16 20:00	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	180267	06/27/16 07:48	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180422	06/28/16 09:23	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:28	JJZ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-062316-002

Lab Sample ID: 180-55991-2

Date Collected: 06/23/16 09:00

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	180567	06/29/16 20:24	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	180267	06/27/16 07:48	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180422	06/28/16 09:28	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:48	JJZ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-062316-003

Lab Sample ID: 180-55991-3

Date Collected: 06/23/16 09:30

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	180567	06/29/16 20:48	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	180267	06/27/16 07:48	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180422	06/28/16 09:34	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:50	JJZ	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-004

Lab Sample ID: 180-55991-4

Date Collected: 06/23/16 09:45

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	180567	06/29/16 21:12	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 12:19	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:18	JJZ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-062316-005

Lab Sample ID: 180-55991-5

Date Collected: 06/23/16 10:15

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	180567	06/29/16 21:36	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 12:25	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:20	JJZ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-062316-006

Lab Sample ID: 180-55991-6

Date Collected: 06/23/16 10:15

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	5 mL	5 mL	180705	07/01/16 00:15	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 12:30	RJR	TAL PIT
		Instrument ID: Q								
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		2	50 mL	50 mL	180485	06/28/16 13:37	RJR	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:22	JJZ	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-007

Lab Sample ID: 180-55991-7

Date Collected: 06/23/16 10:45

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	180705	07/01/16 00:41	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 12:36	RJR	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:24	JJZ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-062316-008

Lab Sample ID: 180-55991-8

Date Collected: 06/23/16 11:30

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	180837	07/01/16 23:12	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 12:42	RJR	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:26	JJZ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-062316-009

Lab Sample ID: 180-55991-9

Date Collected: 06/23/16 12:00

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	180705	06/30/16 14:02	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 12:47	RJR	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:13	JJZ	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-010

Lab Sample ID: 180-55991-10

Date Collected: 06/23/16 12:45

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	180837	07/02/16 00:01	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 13:20	RJR	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:30	JJZ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-062316-011

Lab Sample ID: 180-55991-11

Date Collected: 06/23/16 13:15

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	180837	07/02/16 00:49	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	180268	06/27/16 07:49	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	180485	06/28/16 13:25	RJR	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	180324	06/27/16 13:21	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		20 mL	180277	06/27/16 15:32	JJZ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: TB-18036-062316-001

Lab Sample ID: 180-55991-12

Date Collected: 06/23/16 08:00

Matrix: Water

Date Received: 06/24/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	180705	06/30/16 14:27	DLF	TAL PIT
Instrument ID: CHHP6										

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

ANA = Alexis Anderson

Batch Type: Analysis

DLF = Donald Ferguson

JJZ = Joseph Zubrow

JWS = Jim Swanson

RJR = Ron Rosenbaum

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Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-001

Lab Sample ID: 180-55991-1

Date Collected: 06/23/16 08:00

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.36	ug/L			06/29/16 20:00	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			06/29/16 20:00	1
Toluene	1.0	U	1.0	0.28	ug/L			06/29/16 20:00	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			06/29/16 20:00	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			06/29/16 20:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			06/29/16 20:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/29/16 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		58 - 135		06/29/16 20:00	1
4-Bromofluorobenzene (Surr)	92		62 - 123		06/29/16 20:00	1
Toluene-d8 (Surr)	108		71 - 118		06/29/16 20:00	1
Dibromofluoromethane (Surr)	107		64 - 128		06/29/16 20:00	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	0.057	ug/L		06/27/16 07:48	06/28/16 09:23	1
Chromium	0.84	J	5.0	0.69	ug/L		06/27/16 07:48	06/28/16 09:23	1
Lead	10	U	10	2.7	ug/L		06/27/16 07:48	06/28/16 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0		0.50	0.50	mg/L			06/27/16 13:21	1
pH	8.13	HF	0.100	0.100	SU			06/27/16 15:28	1

Client Sample ID: SW-18036-062316-002

Lab Sample ID: 180-55991-2

Date Collected: 06/23/16 09:00

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.36	ug/L			06/29/16 20:24	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			06/29/16 20:24	1
Toluene	1.0	U	1.0	0.28	ug/L			06/29/16 20:24	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			06/29/16 20:24	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			06/29/16 20:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			06/29/16 20:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/29/16 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		58 - 135		06/29/16 20:24	1
4-Bromofluorobenzene (Surr)	77		62 - 123		06/29/16 20:24	1
Toluene-d8 (Surr)	109		71 - 118		06/29/16 20:24	1
Dibromofluoromethane (Surr)	108		64 - 128		06/29/16 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.20	J	5.0	0.057	ug/L		06/27/16 07:48	06/28/16 09:28	1
Chromium	1.4	J	5.0	0.69	ug/L		06/27/16 07:48	06/28/16 09:28	1
Lead	10	U	10	2.7	ug/L		06/27/16 07:48	06/28/16 09:28	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-002

Lab Sample ID: 180-55991-2

Date Collected: 06/23/16 09:00

Matrix: Water

Date Received: 06/24/16 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	13		0.50	0.50	mg/L			06/27/16 13:21	1
pH	8.06	HF	0.100	0.100	SU			06/27/16 15:48	1

Client Sample ID: SW-18036-062316-003

Lab Sample ID: 180-55991-3

Date Collected: 06/23/16 09:30

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.1	J	5.0	1.8	ug/L			06/29/16 20:48	5
Tetrachloroethene	5.0	U	5.0	1.3	ug/L			06/29/16 20:48	5
Toluene	5.0	U	5.0	1.4	ug/L			06/29/16 20:48	5
Trichloroethene	11		5.0	1.3	ug/L			06/29/16 20:48	5
Vinyl chloride	5.0	U	5.0	1.6	ug/L			06/29/16 20:48	5
1,2-Dichlorobenzene	5.0	U	5.0	1.4	ug/L			06/29/16 20:48	5
cis-1,2-Dichloroethene	2.6	J	5.0	1.4	ug/L			06/29/16 20:48	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		58 - 135					06/29/16 20:48	5
4-Bromofluorobenzene (Surr)	92		62 - 123					06/29/16 20:48	5
Toluene-d8 (Surr)	105		71 - 118					06/29/16 20:48	5
Dibromofluoromethane (Surr)	113		64 - 128					06/29/16 20:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		06/27/16 07:48	06/28/16 09:34	1
Chromium	1.7	J	5.0	0.69	ug/L		06/27/16 07:48	06/28/16 09:34	1
Lead	10	U	10	2.7	ug/L		06/27/16 07:48	06/28/16 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.4		0.50	0.50	mg/L			06/27/16 13:21	1
pH	8.09	HF	0.100	0.100	SU			06/27/16 15:50	1

Client Sample ID: SW-18036-062316-004

Lab Sample ID: 180-55991-4

Date Collected: 06/23/16 09:45

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.3	J	3.0	1.1	ug/L			06/29/16 21:12	3
Tetrachloroethene	4.7		3.0	0.80	ug/L			06/29/16 21:12	3
Toluene	3.0	U	3.0	0.84	ug/L			06/29/16 21:12	3
Trichloroethene	28		3.0	0.77	ug/L			06/29/16 21:12	3
Vinyl chloride	3.0	U	3.0	0.95	ug/L			06/29/16 21:12	3
1,2-Dichlorobenzene	3.0	U	3.0	0.84	ug/L			06/29/16 21:12	3
cis-1,2-Dichloroethene	18		3.0	0.86	ug/L			06/29/16 21:12	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 135					06/29/16 21:12	3
4-Bromofluorobenzene (Surr)	96		62 - 123					06/29/16 21:12	3

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-004

Lab Sample ID: 180-55991-4

Date Collected: 06/23/16 09:45

Matrix: Water

Date Received: 06/24/16 08:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		71 - 118		06/29/16 21:12	3
Dibromofluoromethane (Surr)	110		64 - 128		06/29/16 21:12	3

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	0.057	ug/L		06/27/16 07:49	06/28/16 12:19	1
Chromium	7.3		5.0	0.69	ug/L		06/27/16 07:49	06/28/16 12:19	1
Lead	18		10	2.7	ug/L		06/27/16 07:49	06/28/16 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	260		1.0	1.0	mg/L			06/27/16 13:21	1
pH	11.2	HF	0.100	0.100	SU			06/27/16 15:18	1

Client Sample ID: SW-18036-062316-005

Lab Sample ID: 180-55991-5

Date Collected: 06/23/16 10:15

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.8	J	5.0	1.8	ug/L			06/29/16 21:36	5
Tetrachloroethene	5.4		5.0	1.3	ug/L			06/29/16 21:36	5
Toluene	5.0	U	5.0	1.4	ug/L			06/29/16 21:36	5
Trichloroethene	50		5.0	1.3	ug/L			06/29/16 21:36	5
Vinyl chloride	5.0	U	5.0	1.6	ug/L			06/29/16 21:36	5
1,2-Dichlorobenzene	5.0	U	5.0	1.4	ug/L			06/29/16 21:36	5
cis-1,2-Dichloroethene	23		5.0	1.4	ug/L			06/29/16 21:36	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		58 - 135		06/29/16 21:36	5
4-Bromofluorobenzene (Surr)	92		62 - 123		06/29/16 21:36	5
Toluene-d8 (Surr)	97		71 - 118		06/29/16 21:36	5
Dibromofluoromethane (Surr)	108		64 - 128		06/29/16 21:36	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		06/27/16 07:49	06/28/16 12:25	1
Chromium	4.6	J	5.0	0.69	ug/L		06/27/16 07:49	06/28/16 12:25	1
Lead	4.4	J	10	2.7	ug/L		06/27/16 07:49	06/28/16 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	18		0.50	0.50	mg/L			06/27/16 13:21	1
pH	11.6	HF	0.100	0.100	SU			06/27/16 15:20	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-006

Lab Sample ID: 180-55991-6

Date Collected: 06/23/16 10:15

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.0	U	2.0	0.72	ug/L			07/01/16 00:15	2
Tetrachloroethene	8.6		2.0	0.54	ug/L			07/01/16 00:15	2
Toluene	2.0	U	2.0	0.56	ug/L			07/01/16 00:15	2
Trichloroethene	61		2.0	0.52	ug/L			07/01/16 00:15	2
Vinyl chloride	1.1	J	2.0	0.63	ug/L			07/01/16 00:15	2
1,2-Dichlorobenzene	2.0	U	2.0	0.56	ug/L			07/01/16 00:15	2
cis-1,2-Dichloroethene	38		2.0	0.57	ug/L			07/01/16 00:15	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		58 - 135		07/01/16 00:15	2
4-Bromofluorobenzene (Surr)	102		62 - 123		07/01/16 00:15	2
Toluene-d8 (Surr)	104		71 - 118		07/01/16 00:15	2
Dibromofluoromethane (Surr)	98		64 - 128		07/01/16 00:15	2

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	0.057	ug/L		06/27/16 07:49	06/28/16 12:30	1
Chromium	0.96	J	5.0	0.69	ug/L		06/27/16 07:49	06/28/16 12:30	1
Lead	20	U	20	5.4	ug/L		06/27/16 07:49	06/28/16 13:37	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	18		0.50	0.50	mg/L			06/27/16 13:21	1
pH	11.6	HF	0.100	0.100	SU			06/27/16 15:22	1

Client Sample ID: SW-18036-062316-007

Lab Sample ID: 180-55991-7

Date Collected: 06/23/16 10:45

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	3.0	U	3.0	1.1	ug/L			07/01/16 00:41	3
Tetrachloroethene	2.0	J	3.0	0.80	ug/L			07/01/16 00:41	3
Toluene	3.0	U	3.0	0.84	ug/L			07/01/16 00:41	3
Trichloroethene	67		3.0	0.77	ug/L			07/01/16 00:41	3
Vinyl chloride	1.2	J	3.0	0.95	ug/L			07/01/16 00:41	3
1,2-Dichlorobenzene	3.0	U	3.0	0.84	ug/L			07/01/16 00:41	3
cis-1,2-Dichloroethene	22		3.0	0.86	ug/L			07/01/16 00:41	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		07/01/16 00:41	3
4-Bromofluorobenzene (Surr)	102		62 - 123		07/01/16 00:41	3
Toluene-d8 (Surr)	106		71 - 118		07/01/16 00:41	3
Dibromofluoromethane (Surr)	100		64 - 128		07/01/16 00:41	3

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	0.057	ug/L		06/27/16 07:49	06/28/16 12:36	1
Chromium	4.0	J	5.0	0.69	ug/L		06/27/16 07:49	06/28/16 12:36	1
Lead	10	U	10	2.7	ug/L		06/27/16 07:49	06/28/16 12:36	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-007

Lab Sample ID: 180-55991-7

Date Collected: 06/23/16 10:45

Matrix: Water

Date Received: 06/24/16 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	17		0.50	0.50	mg/L			06/27/16 13:21	1
pH	9.47	HF	0.100	0.100	SU			06/27/16 15:24	1

Client Sample ID: SW-18036-062316-008

Lab Sample ID: 180-55991-8

Date Collected: 06/23/16 11:30

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.36	ug/L			07/01/16 23:12	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			07/01/16 23:12	1
Toluene	1.0	U	1.0	0.28	ug/L			07/01/16 23:12	1
Trichloroethene	19		1.0	0.26	ug/L			07/01/16 23:12	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			07/01/16 23:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			07/01/16 23:12	1
cis-1,2-Dichloroethene	4.4		1.0	0.29	ug/L			07/01/16 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		58 - 135					07/01/16 23:12	1
4-Bromofluorobenzene (Surr)	107		62 - 123					07/01/16 23:12	1
Toluene-d8 (Surr)	108		71 - 118					07/01/16 23:12	1
Dibromofluoromethane (Surr)	106		64 - 128					07/01/16 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.080	J	5.0	0.057	ug/L		06/27/16 07:49	06/28/16 12:42	1
Chromium	4.0	J	5.0	0.69	ug/L		06/27/16 07:49	06/28/16 12:42	1
Lead	5.6	J	10	2.7	ug/L		06/27/16 07:49	06/28/16 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	81		1.0	1.0	mg/L			06/27/16 13:21	1
pH	8.13	HF	0.100	0.100	SU			06/27/16 15:26	1

Client Sample ID: SW-18036-062316-009

Lab Sample ID: 180-55991-9

Date Collected: 06/23/16 12:00

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	3.0	J	5.0	1.8	ug/L			06/30/16 14:02	5
Tetrachloroethene	5.0	U	5.0	1.3	ug/L			06/30/16 14:02	5
Toluene	5.0	U	5.0	1.4	ug/L			06/30/16 14:02	5
Trichloroethene	5.0	U	5.0	1.3	ug/L			06/30/16 14:02	5
Vinyl chloride	5.0	U	5.0	1.6	ug/L			06/30/16 14:02	5
1,2-Dichlorobenzene	5.0	U	5.0	1.4	ug/L			06/30/16 14:02	5
cis-1,2-Dichloroethene	5.0	U	5.0	1.4	ug/L			06/30/16 14:02	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		58 - 135					06/30/16 14:02	5
4-Bromofluorobenzene (Surr)	105		62 - 123					06/30/16 14:02	5

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-009

Lab Sample ID: 180-55991-9

Date Collected: 06/23/16 12:00

Matrix: Water

Date Received: 06/24/16 08:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		71 - 118		06/30/16 14:02	5
Dibromofluoromethane (Surr)	100		64 - 128		06/30/16 14:02	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		06/27/16 07:49	06/28/16 12:47	1
Chromium	14		5.0	0.69	ug/L		06/27/16 07:49	06/28/16 12:47	1
Lead	9.5	J	10	2.7	ug/L		06/27/16 07:49	06/28/16 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	240		2.0	2.0	mg/L			06/27/16 13:21	1
pH	7.44	HF	0.100	0.100	SU			06/27/16 15:13	1

Client Sample ID: SW-18036-062316-010

Lab Sample ID: 180-55991-10

Date Collected: 06/23/16 12:45

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.8	J	5.0	1.8	ug/L			07/02/16 00:01	5
Tetrachloroethene	5.0	U	5.0	1.3	ug/L			07/02/16 00:01	5
Toluene	5.0	U	5.0	1.4	ug/L			07/02/16 00:01	5
Trichloroethene	5.0	U	5.0	1.3	ug/L			07/02/16 00:01	5
Vinyl chloride	5.0	U	5.0	1.6	ug/L			07/02/16 00:01	5
1,2-Dichlorobenzene	5.0	U	5.0	1.4	ug/L			07/02/16 00:01	5
cis-1,2-Dichloroethene	5.0	U	5.0	1.4	ug/L			07/02/16 00:01	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 135		07/02/16 00:01	5
4-Bromofluorobenzene (Surr)	107		62 - 123		07/02/16 00:01	5
Toluene-d8 (Surr)	104		71 - 118		07/02/16 00:01	5
Dibromofluoromethane (Surr)	97		64 - 128		07/02/16 00:01	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		06/27/16 07:49	06/28/16 13:20	1
Chromium	17		5.0	0.69	ug/L		06/27/16 07:49	06/28/16 13:20	1
Lead	10	U	10	2.7	ug/L		06/27/16 07:49	06/28/16 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	23		1.0	1.0	mg/L			06/27/16 13:21	1
pH	7.72	HF	0.100	0.100	SU			06/27/16 15:30	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Client Sample ID: SW-18036-062316-011

Lab Sample ID: 180-55991-11

Date Collected: 06/23/16 13:15

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.36	ug/L			07/02/16 00:49	1
Tetrachloroethene	0.98	J	1.0	0.27	ug/L			07/02/16 00:49	1
Toluene	1.0	U	1.0	0.28	ug/L			07/02/16 00:49	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			07/02/16 00:49	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			07/02/16 00:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			07/02/16 00:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/02/16 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		07/02/16 00:49	1
4-Bromofluorobenzene (Surr)	100		62 - 123		07/02/16 00:49	1
Toluene-d8 (Surr)	104		71 - 118		07/02/16 00:49	1
Dibromofluoromethane (Surr)	99		64 - 128		07/02/16 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.6	J	5.0	0.057	ug/L		06/27/16 07:49	06/28/16 13:25	1
Chromium	5.7		5.0	0.69	ug/L		06/27/16 07:49	06/28/16 13:25	1
Lead	9.2	J	10	2.7	ug/L		06/27/16 07:49	06/28/16 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	350		2.0	2.0	mg/L			06/27/16 13:21	1
pH	7.84	HF	0.100	0.100	SU			06/27/16 15:32	1

Client Sample ID: TB-18036-062316-001

Lab Sample ID: 180-55991-12

Date Collected: 06/23/16 08:00

Matrix: Water

Date Received: 06/24/16 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.43	J	1.0	0.36	ug/L			06/30/16 14:27	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			06/30/16 14:27	1
Toluene	1.0	U	1.0	0.28	ug/L			06/30/16 14:27	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			06/30/16 14:27	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			06/30/16 14:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			06/30/16 14:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/30/16 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135		06/30/16 14:27	1
4-Bromofluorobenzene (Surr)	99		62 - 123		06/30/16 14:27	1
Toluene-d8 (Surr)	101		71 - 118		06/30/16 14:27	1
Dibromofluoromethane (Surr)	104		64 - 128		06/30/16 14:27	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

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

Lab Sample ID: MB 180-180567/7

Matrix: Water

Analysis Batch: 180567

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.36	ug/L			06/29/16 15:10	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			06/29/16 15:10	1
Toluene	1.0	U	1.0	0.28	ug/L			06/29/16 15:10	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			06/29/16 15:10	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			06/29/16 15:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			06/29/16 15:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/29/16 15:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 135		06/29/16 15:10	1
4-Bromofluorobenzene (Surr)	89		62 - 123		06/29/16 15:10	1
Toluene-d8 (Surr)	106		71 - 118		06/29/16 15:10	1
Dibromofluoromethane (Surr)	106		64 - 128		06/29/16 15:10	1

Lab Sample ID: LCS 180-180567/1002

Matrix: Water

Analysis Batch: 180567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	9.35		ug/L		94	60 - 140
Tetrachloroethene	10.0	11.1		ug/L		111	73 - 127
Toluene	10.0	10.8		ug/L		108	74 - 126
Trichloroethene	10.0	10.1		ug/L		101	73 - 125
Vinyl chloride	10.0	9.99		ug/L		100	30 - 140
1,2-Dichlorobenzene	10.0	10.4		ug/L		104	68 - 127
cis-1,2-Dichloroethene	10.0	10.0		ug/L		100	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		58 - 135
4-Bromofluorobenzene (Surr)	88		62 - 123
Toluene-d8 (Surr)	102		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

Lab Sample ID: MB 180-180705/5

Matrix: Water

Analysis Batch: 180705

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.36	ug/L			06/30/16 13:25	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			06/30/16 13:25	1
Toluene	1.0	U	1.0	0.28	ug/L			06/30/16 13:25	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			06/30/16 13:25	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			06/30/16 13:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			06/30/16 13:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/30/16 13:25	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

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

Lab Sample ID: MB 180-180705/5
Matrix: Water
Analysis Batch: 180705

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		06/30/16 13:25	1
4-Bromofluorobenzene (Surr)	101		62 - 123		06/30/16 13:25	1
Toluene-d8 (Surr)	102		71 - 118		06/30/16 13:25	1
Dibromofluoromethane (Surr)	98		64 - 128		06/30/16 13:25	1

Lab Sample ID: LCS 180-180705/1002
Matrix: Water
Analysis Batch: 180705

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	10.0	10.7		ug/L		107	73 - 127
Toluene	10.0	11.3		ug/L		113	74 - 126
Trichloroethene	10.0	10.6		ug/L		106	73 - 125
Vinyl chloride	10.0	10.2		ug/L		102	30 - 140
1,2-Dichlorobenzene	10.0	10.5		ug/L		105	68 - 127
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	69 - 127

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		58 - 135
4-Bromofluorobenzene (Surr)	105		62 - 123
Toluene-d8 (Surr)	107		71 - 118
Dibromofluoromethane (Surr)	104		64 - 128

Lab Sample ID: 180-55991-9 MS
Matrix: Water
Analysis Batch: 180705

Client Sample ID: SW-18036-062316-009
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	5.0	U	50.0	54.9		ug/L		110	73 - 127
Toluene	5.0	U	50.0	55.2		ug/L		110	74 - 126
Trichloroethene	5.0	U	50.0	53.0		ug/L		106	73 - 125
Vinyl chloride	5.0	U	50.0	52.7		ug/L		105	30 - 140
1,2-Dichlorobenzene	5.0	U	50.0	46.3		ug/L		93	68 - 127
cis-1,2-Dichloroethene	5.0	U	50.0	51.7		ug/L		103	69 - 127

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		58 - 135
4-Bromofluorobenzene (Surr)	109		62 - 123
Toluene-d8 (Surr)	106		71 - 118
Dibromofluoromethane (Surr)	98		64 - 128

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

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

Lab Sample ID: 180-55991-9 MSD

Matrix: Water

Analysis Batch: 180705

Client Sample ID: SW-18036-062316-009

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	3.0	J	50.0	48.2		ug/L		90	60 - 140	2	25
Tetrachloroethene	5.0	U	50.0	52.5		ug/L		105	73 - 127	4	25
Toluene	5.0	U	50.0	51.6		ug/L		103	74 - 126	7	25
Trichloroethene	5.0	U	50.0	51.8		ug/L		104	73 - 125	2	25
Vinyl chloride	5.0	U	50.0	47.0		ug/L		94	30 - 140	11	35
1,2-Dichlorobenzene	5.0	U	50.0	49.2		ug/L		98	68 - 127	6	35
cis-1,2-Dichloroethene	5.0	U	50.0	51.9		ug/L		104	69 - 127	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		58 - 135
4-Bromofluorobenzene (Surr)	97		62 - 123
Toluene-d8 (Surr)	100		71 - 118
Dibromofluoromethane (Surr)	98		64 - 128

Lab Sample ID: MB 180-180837/5

Matrix: Water

Analysis Batch: 180837

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.36	ug/L			07/01/16 12:48	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			07/01/16 12:48	1
Toluene	1.0	U	1.0	0.28	ug/L			07/01/16 12:48	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			07/01/16 12:48	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			07/01/16 12:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			07/01/16 12:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/01/16 12:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 135		07/01/16 12:48	1
4-Bromofluorobenzene (Surr)	100		62 - 123		07/01/16 12:48	1
Toluene-d8 (Surr)	103		71 - 118		07/01/16 12:48	1
Dibromofluoromethane (Surr)	102		64 - 128		07/01/16 12:48	1

Lab Sample ID: LCS 180-180837/1002

Matrix: Water

Analysis Batch: 180837

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	9.23		ug/L		92	60 - 140
Tetrachloroethene	10.0	10.8		ug/L		108	73 - 127
Toluene	10.0	10.9		ug/L		109	74 - 126
Trichloroethene	10.0	9.83		ug/L		98	73 - 125
Vinyl chloride	10.0	9.13		ug/L		91	30 - 140
1,2-Dichlorobenzene	10.0	10.5		ug/L		105	68 - 127
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	69 - 127

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

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

Lab Sample ID: LCS 180-180837/1002
Matrix: Water
Analysis Batch: 180837

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

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		58 - 135
4-Bromofluorobenzene (Surr)	109		62 - 123
Toluene-d8 (Surr)	104		71 - 118
Dibromofluoromethane (Surr)	98		64 - 128

Lab Sample ID: 180-56185-F-2 MSD
Matrix: Water
Analysis Batch: 180837

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		
Methylene Chloride	1.0	U	10.0	10.9		ug/L		109	60 - 140	3	25
Tetrachloroethene	0.41	J	10.0	10.8		ug/L		104	73 - 127	10	25
Toluene	1.0	U	10.0	11.4		ug/L		114	74 - 126	1	25
Trichloroethene	5.0		10.0	14.8		ug/L		98	73 - 125	2	25
Vinyl chloride	18		10.0	23.7		ug/L		57	30 - 140	3	35
1,2-Dichlorobenzene	1.0	U	10.0	10.9		ug/L		109	68 - 127	6	35
cis-1,2-Dichloroethene	9.1		10.0	18.9		ug/L		98	69 - 127	0	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		58 - 135
4-Bromofluorobenzene (Surr)	110		62 - 123
Toluene-d8 (Surr)	107		71 - 118
Dibromofluoromethane (Surr)	106		64 - 128

Lab Sample ID: 180-56185-G-2 MS
Matrix: Water
Analysis Batch: 180837

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Methylene Chloride	1.0	U	10.0	11.2		ug/L		112	60 - 140		
Tetrachloroethene	0.41	J	10.0	11.9		ug/L		115	73 - 127		
Toluene	1.0	U	10.0	11.6		ug/L		116	74 - 126		
Trichloroethene	5.0		10.0	14.5		ug/L		96	73 - 125		
Vinyl chloride	18		10.0	24.5		ug/L		65	30 - 140		
1,2-Dichlorobenzene	1.0	U	10.0	10.3		ug/L		103	68 - 127		
cis-1,2-Dichloroethene	9.1		10.0	18.9		ug/L		98	69 - 127		

Surrogate	MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		58 - 135
4-Bromofluorobenzene (Surr)	106		62 - 123
Toluene-d8 (Surr)	103		71 - 118
Dibromofluoromethane (Surr)	99		64 - 128

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-180267/1-A
Matrix: Water
Analysis Batch: 180422

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 180267

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.057	ug/L		06/27/16 07:48	06/28/16 08:45	1
Chromium	5.0	U	5.0	0.69	ug/L		06/27/16 07:48	06/28/16 08:45	1
Lead	10	U	10	2.7	ug/L		06/27/16 07:48	06/28/16 08:45	1

Lab Sample ID: LCS 180-180267/2-A
Matrix: Water
Analysis Batch: 180422

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 180267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	196		ug/L		98	85 - 115
Lead	500	506		ug/L		101	85 - 115

Lab Sample ID: 180-55996-D-1-B MS
Matrix: Water
Analysis Batch: 180422

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 180267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	5.7		200	203		ug/L		98	70 - 130
Lead	10	U	500	514		ug/L		103	70 - 130

Lab Sample ID: 180-55996-D-1-C MSD
Matrix: Water
Analysis Batch: 180422

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 180267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chromium	5.7		200	209		ug/L		101	70 - 130	3	20
Lead	10	U	500	515		ug/L		103	70 - 130	0	20

Lab Sample ID: MB 180-180268/1-A
Matrix: Water
Analysis Batch: 180485

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 180268

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.057	ug/L		06/27/16 07:49	06/28/16 12:08	1
Chromium	5.0	U	5.0	0.69	ug/L		06/27/16 07:49	06/28/16 12:08	1
Lead	10	U	10	2.7	ug/L		06/27/16 07:49	06/28/16 12:08	1

Lab Sample ID: LCS 180-180268/2-A
Matrix: Water
Analysis Batch: 180485

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 180268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	189		ug/L		94	85 - 115
Lead	500	488		ug/L		98	85 - 115

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

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

Lab Sample ID: 180-55991-9 MS

Matrix: Water

Analysis Batch: 180485

Client Sample ID: SW-18036-062316-009

Prep Type: Total Recoverable

Prep Batch: 180268

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Cadmium	5.0	U	50.0	48.0		ug/L		96	70 - 130
Chromium	14		200	207		ug/L		96	70 - 130
Lead	9.5	J	500	499		ug/L		98	70 - 130

Lab Sample ID: 180-55991-9 MSD

Matrix: Water

Analysis Batch: 180485

Client Sample ID: SW-18036-062316-009

Prep Type: Total Recoverable

Prep Batch: 180268

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Cadmium	5.0	U	50.0	47.1		ug/L		94	70 - 130	2	20
Chromium	14		200	206		ug/L		96	70 - 130	1	20
Lead	9.5	J	500	488		ug/L		96	70 - 130	2	20

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

Lab Sample ID: MB 180-180324/2

Matrix: Water

Analysis Batch: 180324

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	0.50	U	0.50	0.50	mg/L			06/27/16 13:21	1

Lab Sample ID: LCS 180-180324/1

Matrix: Water

Analysis Batch: 180324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Total Suspended Solids	49.0	48.0		mg/L		98	80 - 120

Lab Sample ID: 180-55991-4 DU

Matrix: Water

Analysis Batch: 180324

Client Sample ID: SW-18036-062316-004

Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Suspended Solids	260		259		mg/L		2	10

Lab Sample ID: 180-55991-9 DU

Matrix: Water

Analysis Batch: 180324

Client Sample ID: SW-18036-062316-009

Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Suspended Solids	240		234		mg/L		1	10

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-180277/1
 Matrix: Water
 Analysis Batch: 180277

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.050		SU		101	99 - 101

Lab Sample ID: 180-55991-9 DU
 Matrix: Water
 Analysis Batch: 180277

Client Sample ID: SW-18036-062316-009
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.44	HF	7.460	HF	SU		0.3	2

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QC Association Summary

Client: Brausch Environmental LLC
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

GC/MS VOA

Analysis Batch: 180567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-1	SW-18036-062316-001	Total/NA	Water	624	
180-55991-2	SW-18036-062316-002	Total/NA	Water	624	
180-55991-3	SW-18036-062316-003	Total/NA	Water	624	
180-55991-4	SW-18036-062316-004	Total/NA	Water	624	
180-55991-5	SW-18036-062316-005	Total/NA	Water	624	
LCS 180-180567/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-180567/7	Method Blank	Total/NA	Water	624	

Analysis Batch: 180705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-6	SW-18036-062316-006	Total/NA	Water	624	
180-55991-7	SW-18036-062316-007	Total/NA	Water	624	
180-55991-9	SW-18036-062316-009	Total/NA	Water	624	
180-55991-9 MS	SW-18036-062316-009	Total/NA	Water	624	
180-55991-9 MSD	SW-18036-062316-009	Total/NA	Water	624	
180-55991-12	TB-18036-062316-001	Total/NA	Water	624	
LCS 180-180705/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-180705/5	Method Blank	Total/NA	Water	624	

Analysis Batch: 180837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-8	SW-18036-062316-008	Total/NA	Water	624	
180-55991-10	SW-18036-062316-010	Total/NA	Water	624	
180-55991-11	SW-18036-062316-011	Total/NA	Water	624	
180-56185-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-56185-G-2 MS	Matrix Spike	Total/NA	Water	624	
LCS 180-180837/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-180837/5	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 180267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-1	SW-18036-062316-001	Total Recoverable	Water	200.7	
180-55991-2	SW-18036-062316-002	Total Recoverable	Water	200.7	
180-55991-3	SW-18036-062316-003	Total Recoverable	Water	200.7	
180-55996-D-1-B MS	Matrix Spike	Total Recoverable	Water	200.7	
180-55996-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 180-180267/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-180267/1-A	Method Blank	Total Recoverable	Water	200.7	

Prep Batch: 180268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-4	SW-18036-062316-004	Total Recoverable	Water	200.7	
180-55991-5	SW-18036-062316-005	Total Recoverable	Water	200.7	
180-55991-6	SW-18036-062316-006	Total Recoverable	Water	200.7	
180-55991-7	SW-18036-062316-007	Total Recoverable	Water	200.7	
180-55991-8	SW-18036-062316-008	Total Recoverable	Water	200.7	
180-55991-9	SW-18036-062316-009	Total Recoverable	Water	200.7	
180-55991-9 MS	SW-18036-062316-009	Total Recoverable	Water	200.7	

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

Metals (Continued)

Prep Batch: 180268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-9 MSD	SW-18036-062316-009	Total Recoverable	Water	200.7	
180-55991-10	SW-18036-062316-010	Total Recoverable	Water	200.7	
180-55991-11	SW-18036-062316-011	Total Recoverable	Water	200.7	
LCS 180-180268/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-180268/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 180422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-1	SW-18036-062316-001	Total Recoverable	Water	200.7 Rev 4.4	180267
180-55991-2	SW-18036-062316-002	Total Recoverable	Water	200.7 Rev 4.4	180267
180-55991-3	SW-18036-062316-003	Total Recoverable	Water	200.7 Rev 4.4	180267
180-55996-D-1-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	180267
180-55996-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	180267
LCS 180-180267/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	180267
MB 180-180267/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	180267

Analysis Batch: 180485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-4	SW-18036-062316-004	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-5	SW-18036-062316-005	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-6	SW-18036-062316-006	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-6	SW-18036-062316-006	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-7	SW-18036-062316-007	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-8	SW-18036-062316-008	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-9	SW-18036-062316-009	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-9 MS	SW-18036-062316-009	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-9 MSD	SW-18036-062316-009	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-10	SW-18036-062316-010	Total Recoverable	Water	200.7 Rev 4.4	180268
180-55991-11	SW-18036-062316-011	Total Recoverable	Water	200.7 Rev 4.4	180268
LCS 180-180268/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	180268
MB 180-180268/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	180268

General Chemistry

Analysis Batch: 180277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-1	SW-18036-062316-001	Total/NA	Water	SM 4500 H+ B	
180-55991-2	SW-18036-062316-002	Total/NA	Water	SM 4500 H+ B	
180-55991-3	SW-18036-062316-003	Total/NA	Water	SM 4500 H+ B	
180-55991-4	SW-18036-062316-004	Total/NA	Water	SM 4500 H+ B	
180-55991-5	SW-18036-062316-005	Total/NA	Water	SM 4500 H+ B	
180-55991-6	SW-18036-062316-006	Total/NA	Water	SM 4500 H+ B	
180-55991-7	SW-18036-062316-007	Total/NA	Water	SM 4500 H+ B	
180-55991-8	SW-18036-062316-008	Total/NA	Water	SM 4500 H+ B	
180-55991-9	SW-18036-062316-009	Total/NA	Water	SM 4500 H+ B	
180-55991-9 DU	SW-18036-062316-009	Total/NA	Water	SM 4500 H+ B	
180-55991-10	SW-18036-062316-010	Total/NA	Water	SM 4500 H+ B	
180-55991-11	SW-18036-062316-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-180277/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

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QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-55991-1

General Chemistry (Continued)

Analysis Batch: 180324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-55991-1	SW-18036-062316-001	Total/NA	Water	SM 2540D	
180-55991-2	SW-18036-062316-002	Total/NA	Water	SM 2540D	
180-55991-3	SW-18036-062316-003	Total/NA	Water	SM 2540D	
180-55991-4	SW-18036-062316-004	Total/NA	Water	SM 2540D	
180-55991-4 DU	SW-18036-062316-004	Total/NA	Water	SM 2540D	
180-55991-5	SW-18036-062316-005	Total/NA	Water	SM 2540D	
180-55991-6	SW-18036-062316-006	Total/NA	Water	SM 2540D	
180-55991-7	SW-18036-062316-007	Total/NA	Water	SM 2540D	
180-55991-8	SW-18036-062316-008	Total/NA	Water	SM 2540D	
180-55991-9	SW-18036-062316-009	Total/NA	Water	SM 2540D	
180-55991-9 DU	SW-18036-062316-009	Total/NA	Water	SM 2540D	
180-55991-10	SW-18036-062316-010	Total/NA	Water	SM 2540D	
180-55991-11	SW-18036-062316-011	Total/NA	Water	SM 2540D	
LCS 180-180324/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-180324/2	Method Blank	Total/NA	Water	SM 2540D	



180-55991 Chain of Custody

HAIN OF CUSTODY RECORD

COC NO.: 55703

PAGE 1 OF 1
Fax: (716) 297-2265

Address: 2055 Niagara Falls Blvd, Niagara Falls, NY
Phone: (716) 297-6150

Project No/Phase/Task Code: 18036-2014
 Project Name: Quarterly Storm Sewer Sampling - CBS
 Project Location: Buffalo-Niagara International Airport
 GHD Chemistry Contact: Sue Scrocchi
 Sample(s): Kevin Lynch

Lab Location: Pittsburgh, PA
 Laboratory Name: Test America
 Lab Contact: Jill Colussy

Carrier: FedEx
 Airbill No:
 Total Containers/sample: 70
 COMMENTS/SPECIAL INSTRUCTIONS:

SAMPLE TYPE	ANALYSIS REQUESTED <small>(See Back of COC for Definitions)</small>	Lab Location:	Carrier:	Airbill No:	COMMENTS/SPECIAL INSTRUCTIONS:
MS/MSD Request	Total # of Containers: 70		FedEx		

DATE	TIME	Matrix Code	(see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)	624 PPL LIST	200.7 Metals	2540D TSS	pH	Total Containers/sample	MS/MSD Request	COMMENTS/SPECIAL INSTRUCTIONS:
6/23/16	0800					3	1	1	1	6		
	0900					3	1	1	1	6		
	0930					3	1	1	1	6		
	0945					3	1	1	1	6		11.23 pH
	1015					3	1	1	1	6		11.44 pH
	1015					3	1	1	1	6		11.44 pH
	1045					3	1	1	1	6		9.71 pH
	1130					3	1	1	1	6		
	1200					9	3	3	1	16		No MS/MSD for pH
1245	1245					3	1	1	1	6		
	1315					3	1	1	1	6		
				Y		2	-	-	-	2		

Notes/ Special Requirements: No OC for pH samples. pH also field measured.
 TAT Required in business days (use separate COCs for different TAT):
 1 Day 2 Days 3 Days 1 Week 2 Week Other: Contract Elevated pH samples noted above - may affect preservation

REQUISITIONED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME
				Debbie Watson	7/6/2016	8:50
				JAP	6/24/16	8:50

Login Sample Receipt Checklist

Client: Brausch Environmental LLC

Job Number: 180-55991-1

Login Number: 55991

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.	False	
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 (excluding tests with immediate HTs)	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	

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: 180-58894-1

Client Project/Site: Buffalo Airport

Revision: 1

For:

Brausch Environmental LLC

5318 Alexa Road

Charlotte, North Carolina 28277

Attn: Leo Brausch



Authorized for release by:

11/15/2016 7:52:24 AM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

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results through

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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.

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

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Case Narrative

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Job ID: 180-58894-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-58894-1 REV1

Note

The client added analytes to method 624 after the report went out. A revised report (Rev1) was created.

Receipt

The samples were received on 9/21/2016 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.9° C, 3.3° C and 4.3° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. There is no collection time on the COC for the following sample; 180-58894-12. Therefore the earliest sample time was given.

GC/MS VOA

The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: SW-18036-092016-010 (180-58894-10). Elevated reporting limits (RLs) are provided.

The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-18036-092016-008 (180-58894-8). Elevated reporting limits (RLs) are provided.

The laboratory control standards had compounds recover outside of the control limits. Re-analysis could not be done due to the client adding compounds to the list after the report was final.

Metals

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

General Chemistry

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

Definitions/Glossary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.

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
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Brausch Environmental LLC
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624		Water	1,2,4-Trichlorobenzene
624		Water	1,2-Dibromo-3-Chloropropane
624		Water	1,2-Dibromoethane (EDB)
624		Water	2-Butanone (MEK)
624		Water	2-Hexanone
624		Water	4-Methyl-2-pentanone (MIBK)
624		Water	Acetone
624		Water	Carbon disulfide
624		Water	Cyclohexane
624		Water	Isopropylbenzene
624		Water	Methyl acetate
624		Water	Methyl tert-butyl ether
624		Water	Methylcyclohexane
SM 4500 H+ B		Water	pH

Sample Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-58894-1	SW-18036-092016-001	Water	09/20/16 08:30	09/21/16 09:00
180-58894-2	SW-18036-092016-002	Water	09/20/16 09:05	09/21/16 09:00
180-58894-3	SW-18036-092016-003	Water	09/20/16 09:45	09/21/16 09:00
180-58894-4	SW-18036-092016-004	Water	09/20/16 10:15	09/21/16 09:00
180-58894-5	SW-18036-092016-005	Water	09/20/16 10:30	09/21/16 09:00
180-58894-6	SW-18036-092016-006	Water	09/20/16 10:30	09/21/16 09:00
180-58894-7	SW-18036-092016-007	Water	09/20/16 11:15	09/21/16 09:00
180-58894-8	SW-18036-092016-008	Water	09/20/16 11:45	09/21/16 09:00
180-58894-9	SW-18036-092016-009	Water	09/20/16 12:30	09/21/16 09:00
180-58894-10	SW-18036-092016-010	Water	09/20/16 12:45	09/21/16 09:00
180-58894-11	SW-18036-092016-011	Water	09/20/16 13:30	09/21/16 09:00
180-58894-12	18036-092016-TRIP BLANK 01	Water	09/20/16 08:30	09/21/16 09:00

Method Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-001

Lab Sample ID: 180-58894-1

Date Collected: 09/20/16 08:30

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189282	09/27/16 18:13	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189111	09/23/16 13:32	RJR	TAL PIT
Instrument ID: Q										
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189182	09/26/16 10:25	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:18	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-092016-002

Lab Sample ID: 180-58894-2

Date Collected: 09/20/16 09:05

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189282	09/27/16 18:40	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189111	09/23/16 13:37	RJR	TAL PIT
Instrument ID: Q										
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189182	09/26/16 10:30	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:22	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-092016-003

Lab Sample ID: 180-58894-3

Date Collected: 09/20/16 09:45

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189282	09/28/16 07:32	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189111	09/23/16 13:43	RJR	TAL PIT
Instrument ID: Q										
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-003

Lab Sample ID: 180-58894-3

Date Collected: 09/20/16 09:45

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	200.7 Rev 4.4		1			189182	09/26/16 10:36	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:24	JAS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-092016-004

Lab Sample ID: 180-58894-4

Date Collected: 09/20/16 10:15

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189282	09/28/16 07:59	PJJ	TAL PIT
		Instrument ID: CHHP7								
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189111	09/23/16 13:59	RJR	TAL PIT
		Instrument ID: Q								
Total Recoverable	Prep	200.7			50 mL	50 mL	188791	09/22/16 07:15	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189182	09/26/16 10:41	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:26	JAS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SW-18036-092016-005

Lab Sample ID: 180-58894-5

Date Collected: 09/20/16 10:30

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189282	09/28/16 08:27	PJJ	TAL PIT
		Instrument ID: CHHP7								
Total Recoverable	Prep	200.7			50 mL	50 mL	188792	09/22/16 07:17	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189110	09/23/16 17:45	RJG	TAL PIT
		Instrument ID: C								
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:28	JAS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-006

Lab Sample ID: 180-58894-6

Date Collected: 09/20/16 10:30

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189420	09/28/16 12:43	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188792	09/22/16 07:17	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189110	09/23/16 17:50	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	100 mL	1000 mL	189187	09/26/16 12:47	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:30	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-092016-007

Lab Sample ID: 180-58894-7

Date Collected: 09/20/16 11:15

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189420	09/28/16 13:10	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188792	09/22/16 07:17	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189110	09/23/16 17:55	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:32	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-092016-008

Lab Sample ID: 180-58894-8

Date Collected: 09/20/16 11:45

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189282	09/27/16 19:07	PJJ	TAL PIT
Instrument ID: CHHP7										
Total/NA	Analysis	624	DL	5	5 mL	5 mL	189420	09/28/16 14:07	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188792	09/22/16 07:17	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189110	09/23/16 18:01	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189430	09/28/16 11:34	JAS	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-009

Lab Sample ID: 180-58894-9

Date Collected: 09/20/16 12:30

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189282	09/27/16 19:35	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188792	09/22/16 07:17	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189110	09/23/16 18:06	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189440	09/28/16 14:19	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-092016-010

Lab Sample ID: 180-58894-10

Date Collected: 09/20/16 12:45

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	189172	09/26/16 14:14	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	188792	09/22/16 07:17	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189110	09/23/16 18:11	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189440	09/28/16 14:09	JAS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SW-18036-092016-011

Lab Sample ID: 180-58894-11

Date Collected: 09/20/16 13:30

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189420	09/28/16 13:39	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	188792	09/22/16 07:17	ANA	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1			189110	09/23/16 18:31	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	188891	09/22/16 14:57	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1			189440	09/28/16 14:24	JAS	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: 18036-092016-TRIP BLANK 01

Lab Sample ID: 180-58894-12

Date Collected: 09/20/16 08:30

Matrix: Water

Date Received: 09/21/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	5 mL	5 mL	189172	09/26/16 14:39	DLF	TAL PIT
Instrument ID: CHHP6										

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

ANA = Alexis Anderson

Batch Type: Analysis

DLF = Donald Ferguson

JAS = Joshua Schmidt

JWS = Jim Swanson

PJJ = Patrick Journet

RJG = Rob Good

RJR = Ron Rosenbaum

Client Sample Results

Client: Brausch Environmental LLC
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-001

Lab Sample ID: 180-58894-1

Date Collected: 09/20/16 08:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/16 18:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 18:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 18:13	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/27/16 18:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 18:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/27/16 18:13	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/27/16 18:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/27/16 18:13	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/27/16 18:13	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/27/16 18:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/27/16 18:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
2-Butanone (MEK)	5.0	U *	5.0	1.2	ug/L			09/27/16 18:13	1
2-Hexanone	5.0	U *	5.0	0.74	ug/L			09/27/16 18:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	0.59	ug/L			09/27/16 18:13	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/27/16 18:13	1
Benzene	1.0	U	1.0	0.26	ug/L			09/27/16 18:13	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/27/16 18:13	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/27/16 18:13	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/27/16 18:13	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/27/16 18:13	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/27/16 18:13	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/27/16 18:13	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/27/16 18:13	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/27/16 18:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 18:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/27/16 18:13	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/27/16 18:13	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/27/16 18:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/27/16 18:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/27/16 18:13	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/27/16 18:13	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/27/16 18:13	1
Styrene	1.0	U	1.0	0.26	ug/L			09/27/16 18:13	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/27/16 18:13	1
Toluene	1.0	U	1.0	0.28	ug/L			09/27/16 18:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 18:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/27/16 18:13	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/27/16 18:13	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/27/16 18:13	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/27/16 18:13	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/27/16 18:13	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-001

Lab Sample ID: 180-58894-1

Date Collected: 09/20/16 08:30

Matrix: Water

Date Received: 09/21/16 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 135		09/27/16 18:13	1
4-Bromofluorobenzene (Surr)	94		62 - 123		09/27/16 18:13	1
Dibromofluoromethane (Surr)	96		64 - 128		09/27/16 18:13	1
Toluene-d8 (Surr)	100		71 - 118		09/27/16 18:13	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	0.057	ug/L		09/22/16 07:15	09/23/16 13:32	1
Chromium	5.0	U	5.0	0.69	ug/L		09/22/16 07:15	09/26/16 10:25	1
Lead	3.9	J	10	2.7	ug/L		09/22/16 07:15	09/23/16 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0		0.50	0.50	mg/L			09/22/16 14:57	1
pH	8.2	HF	0.1	0.1	SU			09/28/16 11:18	1

Client Sample ID: SW-18036-092016-002

Lab Sample ID: 180-58894-2

Date Collected: 09/20/16 09:05

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/16 18:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 18:40	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/27/16 18:40	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 18:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/27/16 18:40	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/27/16 18:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/27/16 18:40	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/27/16 18:40	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/27/16 18:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/27/16 18:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
2-Butanone (MEK)	5.0	U *	5.0	1.2	ug/L			09/27/16 18:40	1
2-Hexanone	5.0	U *	5.0	0.74	ug/L			09/27/16 18:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	0.59	ug/L			09/27/16 18:40	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/27/16 18:40	1
Benzene	1.0	U	1.0	0.26	ug/L			09/27/16 18:40	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/27/16 18:40	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/27/16 18:40	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/27/16 18:40	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/27/16 18:40	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/27/16 18:40	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/27/16 18:40	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/27/16 18:40	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/27/16 18:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 18:40	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-002

Lab Sample ID: 180-58894-2

Date Collected: 09/20/16 09:05

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/27/16 18:40	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/27/16 18:40	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/27/16 18:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/27/16 18:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/27/16 18:40	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/27/16 18:40	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/27/16 18:40	1
Styrene	1.0	U	1.0	0.26	ug/L			09/27/16 18:40	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/27/16 18:40	1
Toluene	1.0	U	1.0	0.28	ug/L			09/27/16 18:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 18:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/27/16 18:40	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/27/16 18:40	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/27/16 18:40	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/27/16 18:40	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/27/16 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 135		09/27/16 18:40	1
4-Bromofluorobenzene (Surr)	94		62 - 123		09/27/16 18:40	1
Dibromofluoromethane (Surr)	97		64 - 128		09/27/16 18:40	1
Toluene-d8 (Surr)	98		71 - 118		09/27/16 18:40	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	0.057	ug/L		09/22/16 07:15	09/23/16 13:37	1
Chromium	5.0	U	5.0	0.69	ug/L		09/22/16 07:15	09/26/16 10:30	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:15	09/23/16 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	0.70		0.50	0.50	mg/L			09/22/16 14:57	1
pH	8.2	HF	0.1	0.1	SU			09/28/16 11:22	1

Client Sample ID: SW-18036-092016-003

Lab Sample ID: 180-58894-3

Date Collected: 09/20/16 09:45

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/16 07:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 07:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/28/16 07:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 07:32	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/28/16 07:32	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 07:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:32	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-003

Lab Sample ID: 180-58894-3

Date Collected: 09/20/16 09:45

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/28/16 07:32	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/28/16 07:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/28/16 07:32	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/28/16 07:32	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/28/16 07:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/28/16 07:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:32	1
2-Butanone (MEK)	5.0	U *	5.0	1.2	ug/L			09/28/16 07:32	1
2-Hexanone	5.0	U *	5.0	0.74	ug/L			09/28/16 07:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	0.59	ug/L			09/28/16 07:32	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/28/16 07:32	1
Benzene	1.0	U	1.0	0.26	ug/L			09/28/16 07:32	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/28/16 07:32	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/28/16 07:32	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/28/16 07:32	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/28/16 07:32	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/28/16 07:32	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/28/16 07:32	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/28/16 07:32	1
Chloroform	0.31	J	1.0	0.27	ug/L			09/28/16 07:32	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/28/16 07:32	1
cis-1,2-Dichloroethene	4.9		1.0	0.29	ug/L			09/28/16 07:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/28/16 07:32	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/28/16 07:32	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/28/16 07:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/28/16 07:32	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:32	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:32	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/28/16 07:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/28/16 07:32	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/28/16 07:32	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/28/16 07:32	1
Styrene	1.0	U	1.0	0.26	ug/L			09/28/16 07:32	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/28/16 07:32	1
Toluene	1.0	U	1.0	0.28	ug/L			09/28/16 07:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 07:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/28/16 07:32	1
Trichloroethene	30		1.0	0.26	ug/L			09/28/16 07:32	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/28/16 07:32	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/28/16 07:32	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/28/16 07:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		58 - 135		09/28/16 07:32	1
4-Bromofluorobenzene (Surr)	105		62 - 123		09/28/16 07:32	1
Dibromofluoromethane (Surr)	109		64 - 128		09/28/16 07:32	1
Toluene-d8 (Surr)	109		71 - 118		09/28/16 07:32	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-003

Lab Sample ID: 180-58894-3

Date Collected: 09/20/16 09:45

Matrix: Water

Date Received: 09/21/16 09:00

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	0.057	ug/L		09/22/16 07:15	09/23/16 13:43	1
Chromium	1.4	J	5.0	0.69	ug/L		09/22/16 07:15	09/26/16 10:36	1
Lead	2.8	J	10	2.7	ug/L		09/22/16 07:15	09/23/16 13:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	5.0		0.50	0.50	mg/L			09/22/16 14:57	1
pH	8.0	HF	0.1	0.1	SU			09/28/16 11:24	1

Client Sample ID: SW-18036-092016-004

Lab Sample ID: 180-58894-4

Date Collected: 09/20/16 10:15

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/16 07:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 07:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 07:59	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/28/16 07:59	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 07:59	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/28/16 07:59	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/28/16 07:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/28/16 07:59	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/28/16 07:59	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/28/16 07:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/28/16 07:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1
2-Butanone (MEK)	5.0	U *	5.0	1.2	ug/L			09/28/16 07:59	1
2-Hexanone	5.0	U *	5.0	0.74	ug/L			09/28/16 07:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	0.59	ug/L			09/28/16 07:59	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/28/16 07:59	1
Benzene	1.0	U	1.0	0.26	ug/L			09/28/16 07:59	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/28/16 07:59	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/28/16 07:59	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/28/16 07:59	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/28/16 07:59	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/28/16 07:59	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/28/16 07:59	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/28/16 07:59	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/28/16 07:59	1
cis-1,2-Dichloroethene	3.1		1.0	0.29	ug/L			09/28/16 07:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/28/16 07:59	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/28/16 07:59	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/28/16 07:59	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-004

Lab Sample ID: 180-58894-4

Date Collected: 09/20/16 10:15

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/28/16 07:59	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/28/16 07:59	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/28/16 07:59	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/28/16 07:59	1
Styrene	1.0	U	1.0	0.26	ug/L			09/28/16 07:59	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/28/16 07:59	1
Toluene	1.0	U	1.0	0.28	ug/L			09/28/16 07:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 07:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/28/16 07:59	1
Trichloroethene	20		1.0	0.26	ug/L			09/28/16 07:59	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/28/16 07:59	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/28/16 07:59	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/28/16 07:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		58 - 135		09/28/16 07:59	1
4-Bromofluorobenzene (Surr)	110		62 - 123		09/28/16 07:59	1
Dibromofluoromethane (Surr)	113		64 - 128		09/28/16 07:59	1
Toluene-d8 (Surr)	115		71 - 118		09/28/16 07:59	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	0.057	ug/L		09/22/16 07:15	09/23/16 13:59	1
Chromium	1.2	J	5.0	0.69	ug/L		09/22/16 07:15	09/26/16 10:41	1
Lead	3.4	J	10	2.7	ug/L		09/22/16 07:15	09/23/16 13:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.3		0.50	0.50	mg/L			09/22/16 14:57	1
pH	8.1	HF	0.1	0.1	SU			09/28/16 11:26	1

Client Sample ID: SW-18036-092016-005

Lab Sample ID: 180-58894-5

Date Collected: 09/20/16 10:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/16 08:27	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 08:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/28/16 08:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 08:27	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/28/16 08:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 08:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 08:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/28/16 08:27	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/28/16 08:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/28/16 08:27	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/28/16 08:27	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/28/16 08:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/28/16 08:27	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-005

Lab Sample ID: 180-58894-5

Date Collected: 09/20/16 10:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 08:27	1
2-Butanone (MEK)	5.0	U *	5.0	1.2	ug/L			09/28/16 08:27	1
2-Hexanone	5.0	U *	5.0	0.74	ug/L			09/28/16 08:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	0.59	ug/L			09/28/16 08:27	1
Acetone	2.7	J *	5.0	2.5	ug/L			09/28/16 08:27	1
Benzene	1.0	U	1.0	0.26	ug/L			09/28/16 08:27	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/28/16 08:27	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/28/16 08:27	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/28/16 08:27	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/28/16 08:27	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/28/16 08:27	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/28/16 08:27	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/28/16 08:27	1
Chloroform	1.2		1.0	0.27	ug/L			09/28/16 08:27	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/28/16 08:27	1
cis-1,2-Dichloroethene	23		1.0	0.29	ug/L			09/28/16 08:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/28/16 08:27	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/28/16 08:27	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/28/16 08:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/28/16 08:27	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 08:27	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 08:27	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/28/16 08:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/28/16 08:27	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/28/16 08:27	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/28/16 08:27	1
Styrene	1.0	U	1.0	0.26	ug/L			09/28/16 08:27	1
Tetrachloroethene	7.2		1.0	0.27	ug/L			09/28/16 08:27	1
Toluene	1.0	U	1.0	0.28	ug/L			09/28/16 08:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 08:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/28/16 08:27	1
Trichloroethene	38		1.0	0.26	ug/L			09/28/16 08:27	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/28/16 08:27	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/28/16 08:27	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/28/16 08:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		58 - 135		09/28/16 08:27	1
4-Bromofluorobenzene (Surr)	102		62 - 123		09/28/16 08:27	1
Dibromofluoromethane (Surr)	111		64 - 128		09/28/16 08:27	1
Toluene-d8 (Surr)	105		71 - 118		09/28/16 08:27	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	0.057	ug/L		09/22/16 07:17	09/23/16 17:45	1
Chromium	6.3		5.0	0.69	ug/L		09/22/16 07:17	09/23/16 17:45	1
Lead	6.6	J	10	2.7	ug/L		09/22/16 07:17	09/23/16 17:45	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-005

Lab Sample ID: 180-58894-5

Date Collected: 09/20/16 10:30

Matrix: Water

Date Received: 09/21/16 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	540		2.0	2.0	mg/L			09/22/16 14:57	1
pH	11.5	HF	0.1	0.1	SU			09/28/16 11:28	1

Client Sample ID: SW-18036-092016-006

Lab Sample ID: 180-58894-6

Date Collected: 09/20/16 10:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/16 12:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/28/16 12:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 12:43	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/28/16 12:43	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 12:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/28/16 12:43	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/28/16 12:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/28/16 12:43	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/28/16 12:43	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/28/16 12:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/28/16 12:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:43	1
2-Butanone (MEK)	5.0	U	5.0	1.2	ug/L			09/28/16 12:43	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			09/28/16 12:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			09/28/16 12:43	1
Acetone	2.7	J *	5.0	2.5	ug/L			09/28/16 12:43	1
Benzene	1.0	U	1.0	0.26	ug/L			09/28/16 12:43	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/28/16 12:43	1
Bromomethane	1.0	U *	1.0	0.36	ug/L			09/28/16 12:43	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/28/16 12:43	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/28/16 12:43	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/28/16 12:43	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/28/16 12:43	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/28/16 12:43	1
Chloroform	1.3		1.0	0.27	ug/L			09/28/16 12:43	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/28/16 12:43	1
cis-1,2-Dichloroethene	22		1.0	0.29	ug/L			09/28/16 12:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/28/16 12:43	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/28/16 12:43	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/28/16 12:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/28/16 12:43	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:43	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:43	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/28/16 12:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/28/16 12:43	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/28/16 12:43	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/28/16 12:43	1
Styrene	1.0	U	1.0	0.26	ug/L			09/28/16 12:43	1
Tetrachloroethene	6.3		1.0	0.27	ug/L			09/28/16 12:43	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-006

Lab Sample ID: 180-58894-6

Date Collected: 09/20/16 10:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.0	U	1.0	0.28	ug/L			09/28/16 12:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 12:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/28/16 12:43	1
Trichloroethene	34		1.0	0.26	ug/L			09/28/16 12:43	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/28/16 12:43	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/28/16 12:43	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/28/16 12:43	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		58 - 135					09/28/16 12:43	1
4-Bromofluorobenzene (Surr)	97		62 - 123					09/28/16 12:43	1
Dibromofluoromethane (Surr)	111		64 - 128					09/28/16 12:43	1
Toluene-d8 (Surr)	101		71 - 118					09/28/16 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		09/22/16 07:17	09/23/16 17:50	1
Chromium	6.6		5.0	0.69	ug/L		09/22/16 07:17	09/23/16 17:50	1
Lead	8.0	J	10	2.7	ug/L		09/22/16 07:17	09/23/16 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	840		5.0	5.0	mg/L			09/26/16 12:47	1
pH	11.5	HF	0.1	0.1	SU			09/28/16 11:30	1

Client Sample ID: SW-18036-092016-007

Lab Sample ID: 180-58894-7

Date Collected: 09/20/16 11:15

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/16 13:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/28/16 13:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 13:10	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/28/16 13:10	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 13:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/28/16 13:10	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/28/16 13:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/28/16 13:10	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/28/16 13:10	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/28/16 13:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/28/16 13:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:10	1
2-Butanone (MEK)	5.0	U	5.0	1.2	ug/L			09/28/16 13:10	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			09/28/16 13:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			09/28/16 13:10	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/28/16 13:10	1
Benzene	1.0	U	1.0	0.26	ug/L			09/28/16 13:10	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-007

Lab Sample ID: 180-58894-7

Date Collected: 09/20/16 11:15

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.29	ug/L			09/28/16 13:10	1
Bromomethane	1.0	U *	1.0	0.36	ug/L			09/28/16 13:10	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/28/16 13:10	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/28/16 13:10	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/28/16 13:10	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/28/16 13:10	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/28/16 13:10	1
Chloroform	1.1		1.0	0.27	ug/L			09/28/16 13:10	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/28/16 13:10	1
cis-1,2-Dichloroethene	21		1.0	0.29	ug/L			09/28/16 13:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/28/16 13:10	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/28/16 13:10	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/28/16 13:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/28/16 13:10	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:10	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:10	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/28/16 13:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/28/16 13:10	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/28/16 13:10	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/28/16 13:10	1
Styrene	1.0	U	1.0	0.26	ug/L			09/28/16 13:10	1
Tetrachloroethene	8.3		1.0	0.27	ug/L			09/28/16 13:10	1
Toluene	1.0	U	1.0	0.28	ug/L			09/28/16 13:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 13:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/28/16 13:10	1
Trichloroethene	36		1.0	0.26	ug/L			09/28/16 13:10	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/28/16 13:10	1
Vinyl chloride	0.63	J	1.0	0.32	ug/L			09/28/16 13:10	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/28/16 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		09/28/16 13:10	1
4-Bromofluorobenzene (Surr)	99		62 - 123		09/28/16 13:10	1
Dibromofluoromethane (Surr)	96		64 - 128		09/28/16 13:10	1
Toluene-d8 (Surr)	102		71 - 118		09/28/16 13:10	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	0.057	ug/L		09/22/16 07:17	09/23/16 17:55	1
Chromium	4.0	J	5.0	0.69	ug/L		09/22/16 07:17	09/23/16 17:55	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:17	09/23/16 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	27		0.50	0.50	mg/L			09/22/16 14:57	1
pH	11.3	HF	0.1	0.1	SU			09/28/16 11:32	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-008

Lab Sample ID: 180-58894-8

Date Collected: 09/20/16 11:45

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/16 19:07	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 19:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/27/16 19:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 19:07	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/27/16 19:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 19:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/27/16 19:07	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/27/16 19:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/27/16 19:07	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/27/16 19:07	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/27/16 19:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/27/16 19:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:07	1
2-Butanone (MEK)	5.0	U *	5.0	1.2	ug/L			09/27/16 19:07	1
2-Hexanone	5.0	U *	5.0	0.74	ug/L			09/27/16 19:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	0.59	ug/L			09/27/16 19:07	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/27/16 19:07	1
Benzene	1.0	U	1.0	0.26	ug/L			09/27/16 19:07	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/27/16 19:07	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/27/16 19:07	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/27/16 19:07	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/27/16 19:07	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/27/16 19:07	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/27/16 19:07	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/27/16 19:07	1
Chloroform	0.44	J	1.0	0.27	ug/L			09/27/16 19:07	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/27/16 19:07	1
cis-1,2-Dichloroethene	24		1.0	0.29	ug/L			09/27/16 19:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/27/16 19:07	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/27/16 19:07	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/27/16 19:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/27/16 19:07	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:07	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:07	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/27/16 19:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/27/16 19:07	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/27/16 19:07	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/27/16 19:07	1
Styrene	1.0	U	1.0	0.26	ug/L			09/27/16 19:07	1
Tetrachloroethene	0.92	J	1.0	0.27	ug/L			09/27/16 19:07	1
Toluene	1.0	U	1.0	0.28	ug/L			09/27/16 19:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 19:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/27/16 19:07	1
Trichloroethene	61	E	1.0	0.26	ug/L			09/27/16 19:07	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/27/16 19:07	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/27/16 19:07	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/27/16 19:07	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-008

Lab Sample ID: 180-58894-8

Date Collected: 09/20/16 11:45

Matrix: Water

Date Received: 09/21/16 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		58 - 135		09/27/16 19:07	1
4-Bromofluorobenzene (Surr)	92		62 - 123		09/27/16 19:07	1
Dibromofluoromethane (Surr)	98		64 - 128		09/27/16 19:07	1
Toluene-d8 (Surr)	97		71 - 118		09/27/16 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	1.1	ug/L			09/28/16 14:07	5
1,1,1,2-Tetrachloroethane	5.0	U	5.0	1.7	ug/L			09/28/16 14:07	5
1,1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
1,1,1,2-Trichloroethane	5.0	U	5.0	1.7	ug/L			09/28/16 14:07	5
1,1-Dichloroethane	5.0	U	5.0	1.2	ug/L			09/28/16 14:07	5
1,1-Dichloroethene	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5
1,2,4-Trichlorobenzene	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.93	ug/L			09/28/16 14:07	5
1,2-Dibromoethane (EDB)	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5
1,2-Dichlorobenzene	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5
1,2-Dichloroethane	5.0	U	5.0	1.2	ug/L			09/28/16 14:07	5
1,2-Dichloropropane	5.0	U	5.0	1.1	ug/L			09/28/16 14:07	5
1,3-Dichlorobenzene	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
1,4-Dichlorobenzene	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
2-Butanone (MEK)	25	U	25	5.8	ug/L			09/28/16 14:07	5
2-Hexanone	25	U	25	3.7	ug/L			09/28/16 14:07	5
4-Methyl-2-pentanone (MIBK)	25	U	25	3.0	ug/L			09/28/16 14:07	5
Acetone	25	U *	25	13	ug/L			09/28/16 14:07	5
Benzene	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
Bromoform	5.0	U	5.0	1.5	ug/L			09/28/16 14:07	5
Bromomethane	5.0	U *	5.0	1.8	ug/L			09/28/16 14:07	5
Carbon disulfide	5.0	U	5.0	0.92	ug/L			09/28/16 14:07	5
Carbon tetrachloride	5.0	U	5.0	1.2	ug/L			09/28/16 14:07	5
Chlorobenzene	5.0	U	5.0	1.6	ug/L			09/28/16 14:07	5
Chlorodibromomethane	5.0	U	5.0	2.0	ug/L			09/28/16 14:07	5
Chloroethane	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
Chloroform	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5
Chloromethane	5.0	U	5.0	1.1	ug/L			09/28/16 14:07	5
cis-1,2-Dichloroethene	20		5.0	1.4	ug/L			09/28/16 14:07	5
cis-1,3-Dichloropropene	5.0	U	5.0	1.0	ug/L			09/28/16 14:07	5
Cyclohexane	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5
Dichlorobromomethane	5.0	U	5.0	1.2	ug/L			09/28/16 14:07	5
Dichlorodifluoromethane	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
Ethylbenzene	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5
Isopropylbenzene	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
Methyl acetate	25	U	25	7.5	ug/L			09/28/16 14:07	5
Methyl tert-butyl ether	5.0	U	5.0	1.2	ug/L			09/28/16 14:07	5
Methylcyclohexane	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
Methylene Chloride	5.0	U	5.0	1.8	ug/L			09/28/16 14:07	5
Styrene	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
Tetrachloroethene	5.0	U	5.0	1.3	ug/L			09/28/16 14:07	5
Toluene	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5
trans-1,2-Dichloroethene	5.0	U	5.0	1.4	ug/L			09/28/16 14:07	5

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-008

Lab Sample ID: 180-58894-8

Date Collected: 09/20/16 11:45

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	5.0	U	5.0	1.2	ug/L			09/28/16 14:07	5
Trichloroethene	51		5.0	1.3	ug/L			09/28/16 14:07	5
Trichlorofluoromethane	5.0	U	5.0	1.6	ug/L			09/28/16 14:07	5
Vinyl chloride	5.0	U	5.0	1.6	ug/L			09/28/16 14:07	5
Xylenes, Total	10	U	10	2.4	ug/L			09/28/16 14:07	5

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135					09/28/16 14:07	5
4-Bromofluorobenzene (Surr)	95		62 - 123					09/28/16 14:07	5
Dibromofluoromethane (Surr)	98		64 - 128					09/28/16 14:07	5
Toluene-d8 (Surr)	100		71 - 118					09/28/16 14:07	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		09/22/16 07:17	09/23/16 18:01	1
Chromium	4.8	J	5.0	0.69	ug/L		09/22/16 07:17	09/23/16 18:01	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:17	09/23/16 18:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	9.1		0.50	0.50	mg/L			09/22/16 14:57	1
pH	9.1	HF	0.1	0.1	SU			09/28/16 11:34	1

Client Sample ID: SW-18036-092016-009

Lab Sample ID: 180-58894-9

Date Collected: 09/20/16 12:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/16 19:35	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 19:35	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/27/16 19:35	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 19:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/27/16 19:35	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/27/16 19:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/27/16 19:35	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/27/16 19:35	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/27/16 19:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/27/16 19:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
2-Butanone (MEK)	5.0	U *	5.0	1.2	ug/L			09/27/16 19:35	1
2-Hexanone	5.0	U *	5.0	0.74	ug/L			09/27/16 19:35	1
4-Methyl-2-pentanone (MIBK)	0.71	J *	5.0	0.59	ug/L			09/27/16 19:35	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/27/16 19:35	1
Benzene	1.0	U	1.0	0.26	ug/L			09/27/16 19:35	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/27/16 19:35	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/27/16 19:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-009

Lab Sample ID: 180-58894-9

Date Collected: 09/20/16 12:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/27/16 19:35	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/27/16 19:35	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/27/16 19:35	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/27/16 19:35	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/27/16 19:35	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/27/16 19:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 19:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/27/16 19:35	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/27/16 19:35	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/27/16 19:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/27/16 19:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/27/16 19:35	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/27/16 19:35	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/27/16 19:35	1
Styrene	1.0	U	1.0	0.26	ug/L			09/27/16 19:35	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/27/16 19:35	1
Toluene	1.0	U	1.0	0.28	ug/L			09/27/16 19:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 19:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/27/16 19:35	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/27/16 19:35	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/27/16 19:35	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/27/16 19:35	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/27/16 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 135		09/27/16 19:35	1
4-Bromofluorobenzene (Surr)	96		62 - 123		09/27/16 19:35	1
Dibromofluoromethane (Surr)	95		64 - 128		09/27/16 19:35	1
Toluene-d8 (Surr)	99		71 - 118		09/27/16 19:35	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	0.057	ug/L		09/22/16 07:17	09/23/16 18:06	1
Chromium	1.9	J	5.0	0.69	ug/L		09/22/16 07:17	09/23/16 18:06	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:17	09/23/16 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.8		0.50	0.50	mg/L			09/22/16 14:57	1
pH	7.9	HF	0.1	0.1	SU			09/28/16 14:19	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-010

Lab Sample ID: 180-58894-10

Date Collected: 09/20/16 12:45

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	1.1	ug/L			09/26/16 14:14	5
1,1,1,2-Tetrachloroethane	5.0	U	5.0	1.7	ug/L			09/26/16 14:14	5
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
1,1,2-Trichloroethane	5.0	U	5.0	1.7	ug/L			09/26/16 14:14	5
1,1-Dichloroethane	5.0	U	5.0	1.2	ug/L			09/26/16 14:14	5
1,1-Dichloroethene	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
1,2,4-Trichlorobenzene	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.93	ug/L			09/26/16 14:14	5
1,2-Dibromoethane (EDB)	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
1,2-Dichlorobenzene	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
1,2-Dichloroethane	5.0	U	5.0	1.2	ug/L			09/26/16 14:14	5
1,2-Dichloropropane	5.0	U	5.0	1.1	ug/L			09/26/16 14:14	5
1,3-Dichlorobenzene	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
1,4-Dichlorobenzene	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
2-Butanone (MEK)	25	U	25	5.8	ug/L			09/26/16 14:14	5
2-Hexanone	25	U	25	3.7	ug/L			09/26/16 14:14	5
4-Methyl-2-pentanone (MIBK)	25	U	25	3.0	ug/L			09/26/16 14:14	5
Acetone	25	U	25	13	ug/L			09/26/16 14:14	5
Benzene	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
Bromoform	5.0	U	5.0	1.5	ug/L			09/26/16 14:14	5
Bromomethane	5.0	U	5.0	1.8	ug/L			09/26/16 14:14	5
Carbon disulfide	5.0	U	5.0	0.92	ug/L			09/26/16 14:14	5
Carbon tetrachloride	5.0	U	5.0	1.2	ug/L			09/26/16 14:14	5
Chlorobenzene	5.0	U	5.0	1.6	ug/L			09/26/16 14:14	5
Chlorodibromomethane	5.0	U	5.0	2.0	ug/L			09/26/16 14:14	5
Chloroethane	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
Chloroform	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
Chloromethane	5.0	U	5.0	1.1	ug/L			09/26/16 14:14	5
cis-1,2-Dichloroethene	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
cis-1,3-Dichloropropene	5.0	U	5.0	1.0	ug/L			09/26/16 14:14	5
Cyclohexane	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
Dichlorobromomethane	5.0	U	5.0	1.2	ug/L			09/26/16 14:14	5
Dichlorodifluoromethane	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
Ethylbenzene	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
Isopropylbenzene	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
Methyl acetate	25	U	25	7.5	ug/L			09/26/16 14:14	5
Methyl tert-butyl ether	5.0	U	5.0	1.2	ug/L			09/26/16 14:14	5
Methylcyclohexane	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
Methylene Chloride	5.0	U	5.0	1.8	ug/L			09/26/16 14:14	5
Styrene	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
Tetrachloroethene	5.0	U	5.0	1.3	ug/L			09/26/16 14:14	5
Toluene	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
trans-1,2-Dichloroethene	5.0	U	5.0	1.4	ug/L			09/26/16 14:14	5
trans-1,3-Dichloropropene	5.0	U	5.0	1.2	ug/L			09/26/16 14:14	5
Trichloroethene	1.4	J	5.0	1.3	ug/L			09/26/16 14:14	5
Trichlorofluoromethane	5.0	U	5.0	1.6	ug/L			09/26/16 14:14	5
Vinyl chloride	5.0	U	5.0	1.6	ug/L			09/26/16 14:14	5
Xylenes, Total	10	U	10	2.4	ug/L			09/26/16 14:14	5

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-010

Lab Sample ID: 180-58894-10

Date Collected: 09/20/16 12:45

Matrix: Water

Date Received: 09/21/16 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		58 - 135		09/26/16 14:14	5
4-Bromofluorobenzene (Surr)	100		62 - 123		09/26/16 14:14	5
Dibromofluoromethane (Surr)	97		64 - 128		09/26/16 14:14	5
Toluene-d8 (Surr)	108		71 - 118		09/26/16 14:14	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		09/22/16 07:17	09/23/16 18:11	1
Chromium	4.1	J	5.0	0.69	ug/L		09/22/16 07:17	09/23/16 18:11	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:17	09/23/16 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	76		1.0	1.0	mg/L			09/22/16 14:57	1
pH	7.8	HF	0.1	0.1	SU			09/28/16 14:09	1

Client Sample ID: SW-18036-092016-011

Lab Sample ID: 180-58894-11

Date Collected: 09/20/16 13:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/16 13:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/28/16 13:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 13:39	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/28/16 13:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 13:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/28/16 13:39	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/28/16 13:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/28/16 13:39	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/28/16 13:39	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/28/16 13:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/28/16 13:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:39	1
2-Butanone (MEK)	5.0	U	5.0	1.2	ug/L			09/28/16 13:39	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			09/28/16 13:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			09/28/16 13:39	1
Acetone	5.0	U *	5.0	2.5	ug/L			09/28/16 13:39	1
Benzene	1.0	U	1.0	0.26	ug/L			09/28/16 13:39	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/28/16 13:39	1
Bromomethane	1.0	U * F1	1.0	0.36	ug/L			09/28/16 13:39	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/28/16 13:39	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/28/16 13:39	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/28/16 13:39	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/28/16 13:39	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/28/16 13:39	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/28/16 13:39	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/28/16 13:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 13:39	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: SW-18036-092016-011

Lab Sample ID: 180-58894-11

Date Collected: 09/20/16 13:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/28/16 13:39	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/28/16 13:39	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/28/16 13:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/28/16 13:39	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:39	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 13:39	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/28/16 13:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/28/16 13:39	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/28/16 13:39	1
Methylene Chloride	1.0	U F1 F2	1.0	0.36	ug/L			09/28/16 13:39	1
Styrene	1.0	U	1.0	0.26	ug/L			09/28/16 13:39	1
Tetrachloroethene	1.7		1.0	0.27	ug/L			09/28/16 13:39	1
Toluene	1.0	U	1.0	0.28	ug/L			09/28/16 13:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 13:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/28/16 13:39	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/28/16 13:39	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/28/16 13:39	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/28/16 13:39	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/28/16 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		58 - 135		09/28/16 13:39	1
4-Bromofluorobenzene (Surr)	90		62 - 123		09/28/16 13:39	1
Dibromofluoromethane (Surr)	100		64 - 128		09/28/16 13:39	1
Toluene-d8 (Surr)	98		71 - 118		09/28/16 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	J	5.0	0.057	ug/L		09/22/16 07:17	09/23/16 18:31	1
Chromium	0.80	J	5.0	0.69	ug/L		09/22/16 07:17	09/23/16 18:31	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:17	09/23/16 18:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	7.0		0.50	0.50	mg/L			09/22/16 14:57	1
pH	7.6	HF	0.1	0.1	SU			09/28/16 14:24	1

Client Sample ID: 18036-092016-TRIP BLANK 01

Lab Sample ID: 180-58894-12

Date Collected: 09/20/16 08:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/26/16 14:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/26/16 14:39	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/26/16 14:39	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/26/16 14:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/16 14:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1

TestAmerica Pittsburgh

Client Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Client Sample ID: 18036-092016-TRIP BLANK 01

Lab Sample ID: 180-58894-12

Date Collected: 09/20/16 08:30

Matrix: Water

Date Received: 09/21/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/26/16 14:39	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/26/16 14:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/26/16 14:39	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/26/16 14:39	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/26/16 14:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/26/16 14:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1
2-Butanone (MEK)	5.0	U	5.0	1.2	ug/L			09/26/16 14:39	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			09/26/16 14:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			09/26/16 14:39	1
Acetone	5.0	U	5.0	2.5	ug/L			09/26/16 14:39	1
Benzene	1.0	U	1.0	0.26	ug/L			09/26/16 14:39	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/26/16 14:39	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/26/16 14:39	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/26/16 14:39	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/26/16 14:39	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/26/16 14:39	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/26/16 14:39	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/26/16 14:39	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/26/16 14:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/16 14:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/26/16 14:39	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/26/16 14:39	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/26/16 14:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/26/16 14:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/26/16 14:39	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/26/16 14:39	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/26/16 14:39	1
Styrene	1.0	U	1.0	0.26	ug/L			09/26/16 14:39	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/26/16 14:39	1
Toluene	1.0	U	1.0	0.28	ug/L			09/26/16 14:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/16 14:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/26/16 14:39	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/26/16 14:39	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/26/16 14:39	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/26/16 14:39	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/26/16 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		58 - 135		09/26/16 14:39	1
4-Bromofluorobenzene (Surr)	101		62 - 123		09/26/16 14:39	1
Toluene-d8 (Surr)	110		71 - 118		09/26/16 14:39	1
Dibromofluoromethane (Surr)	94		64 - 128		09/26/16 14:39	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: MB 180-189172/4

Matrix: Water

Analysis Batch: 189172

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/26/16 11:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/26/16 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/26/16 11:54	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/26/16 11:54	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/16 11:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/26/16 11:54	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/26/16 11:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/26/16 11:54	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/26/16 11:54	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/26/16 11:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/26/16 11:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
2-Butanone (MEK)	5.0	U	5.0	1.2	ug/L			09/26/16 11:54	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			09/26/16 11:54	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			09/26/16 11:54	1
Acetone	5.0	U	5.0	2.5	ug/L			09/26/16 11:54	1
Benzene	1.0	U	1.0	0.26	ug/L			09/26/16 11:54	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/26/16 11:54	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/26/16 11:54	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/26/16 11:54	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/26/16 11:54	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/26/16 11:54	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/26/16 11:54	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/26/16 11:54	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/26/16 11:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/16 11:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/26/16 11:54	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/26/16 11:54	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/26/16 11:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/26/16 11:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/26/16 11:54	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/26/16 11:54	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/26/16 11:54	1
Styrene	1.0	U	1.0	0.26	ug/L			09/26/16 11:54	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/26/16 11:54	1
Toluene	1.0	U	1.0	0.28	ug/L			09/26/16 11:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/26/16 11:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/26/16 11:54	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/26/16 11:54	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/26/16 11:54	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/26/16 11:54	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/26/16 11:54	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	94		58 - 135		09/26/16 11:54	1
4-Bromofluorobenzene (Surr)	115		62 - 123		09/26/16 11:54	1
Dibromofluoromethane (Surr)	112		64 - 128		09/26/16 11:54	1
Toluene-d8 (Surr)	104		71 - 118		09/26/16 11:54	1

Lab Sample ID: LCS 180-189172/1002

Matrix: Water

Analysis Batch: 189172

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.0		ug/L		100	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.7		ug/L		107	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.6		ug/L		106	46 - 148
1,1,2-Trichloroethane	10.0	10.7		ug/L		107	71 - 129
1,1-Dichloroethane	10.0	10.0		ug/L		100	72 - 128
1,1-Dichloroethene	10.0	10.5		ug/L		105	60 - 130
1,2,4-Trichlorobenzene	10.0	8.29		ug/L		83	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	8.20		ug/L		82	37 - 133
1,2-Dibromoethane (EDB)	10.0	10.4		ug/L		104	74 - 123
1,2-Dichlorobenzene	10.0	10.4		ug/L		104	68 - 127
1,2-Dichloroethane	10.0	9.49		ug/L		95	68 - 132
1,2-Dichloropropane	10.0	9.56		ug/L		96	50 - 150
1,3-Dichlorobenzene	10.0	10.5		ug/L		105	73 - 127
1,4-Dichlorobenzene	10.0	10.5		ug/L		105	65 - 127
2-Butanone (MEK)	20.0	17.7		ug/L		89	39 - 138
2-Hexanone	20.0	23.1		ug/L		116	25 - 132
4-Methyl-2-pentanone (MIBK)	20.0	20.1		ug/L		100	60 - 135
Acetone	20.0	16.6		ug/L		83	22 - 150
Benzene	10.0	10.6		ug/L		106	71 - 129
Bromoform	10.0	9.72		ug/L		97	56 - 139
Bromomethane	10.0	11.7		ug/L		117	40 - 146
Carbon disulfide	10.0	9.89		ug/L		99	52 - 138
Carbon tetrachloride	10.0	10.0		ug/L		100	70 - 140
Chlorobenzene	10.0	11.0		ug/L		110	73 - 125
Chlorodibromomethane	10.0	10.1		ug/L		101	67 - 133
Chloroethane	10.0	12.6		ug/L		126	47 - 143
Chloroform	10.0	9.98		ug/L		100	67 - 133
Chloromethane	10.0	10.7		ug/L		107	51 - 137
cis-1,2-Dichloroethene	10.0	9.93		ug/L		99	69 - 127
cis-1,3-Dichloropropene	10.0	9.07		ug/L		91	50 - 140
Cyclohexane	10.0	10.2		ug/L		102	45 - 142
Dichlorobromomethane	10.0	9.81		ug/L		98	65 - 135
Dichlorodifluoromethane	10.0	11.5		ug/L		115	38 - 145
Ethylbenzene	10.0	10.9		ug/L		109	65 - 133
Isopropylbenzene	10.0	11.3		ug/L		113	58 - 130
Methyl acetate	50.0	48.0		ug/L		96	47 - 142
Methyl tert-butyl ether	10.0	9.48		ug/L		95	50 - 150
Methylcyclohexane	10.0	9.92		ug/L		99	45 - 145
Methylene Chloride	10.0	9.59		ug/L		96	60 - 140
Styrene	10.0	10.9		ug/L		109	70 - 130
Tetrachloroethene	10.0	11.0		ug/L		110	73 - 127
Toluene	10.0	11.4		ug/L		114	74 - 126
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	69 - 131

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: LCS 180-189172/1002

Matrix: Water

Analysis Batch: 189172

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	10.0	9.74		ug/L		97	64 - 134
Trichloroethene	10.0	10.2		ug/L		102	73 - 125
Trichlorofluoromethane	10.0	12.2		ug/L		122	56 - 141
Vinyl chloride	10.0	11.7		ug/L		117	30 - 140
Xylenes, Total	20.0	21.6		ug/L		108	53 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 135
4-Bromofluorobenzene (Surr)	100		62 - 123
Dibromofluoromethane (Surr)	98		64 - 128
Toluene-d8 (Surr)	110		71 - 118

Lab Sample ID: 180-58894-10 MS

Matrix: Water

Analysis Batch: 189172

Client Sample ID: SW-18036-092016-010

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	5.0	U	50.0	47.4		ug/L		95	75 - 125
1,1,2,2-Tetrachloroethane	5.0	U	50.0	53.3		ug/L		107	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	50.0	50.0		ug/L		100	46 - 148
1,1,2-Trichloroethane	5.0	U	50.0	52.5		ug/L		105	71 - 129
1,1-Dichloroethane	5.0	U	50.0	48.9		ug/L		98	72 - 128
1,1-Dichloroethene	5.0	U	50.0	47.4		ug/L		95	60 - 130
1,2,4-Trichlorobenzene	5.0	U	50.0	48.2		ug/L		96	55 - 140
1,2-Dibromo-3-Chloropropane	5.0	U	50.0	39.6		ug/L		79	37 - 133
1,2-Dibromoethane (EDB)	5.0	U	50.0	50.9		ug/L		102	74 - 123
1,2-Dichlorobenzene	5.0	U	50.0	53.3		ug/L		107	68 - 127
1,2-Dichloroethane	5.0	U	50.0	46.4		ug/L		93	68 - 132
1,2-Dichloropropane	5.0	U	50.0	48.9		ug/L		98	50 - 150
1,3-Dichlorobenzene	5.0	U	50.0	51.9		ug/L		104	73 - 127
1,4-Dichlorobenzene	5.0	U	50.0	53.6		ug/L		107	65 - 127
2-Butanone (MEK)	25	U	100	93.7		ug/L		94	39 - 138
2-Hexanone	25	U	100	94.2		ug/L		94	25 - 132
4-Methyl-2-pentanone (MIBK)	25	U	100	92.5		ug/L		93	60 - 135
Acetone	25	U	100	94.0		ug/L		94	22 - 150
Benzene	5.0	U	50.0	51.0		ug/L		102	71 - 129
Bromoform	5.0	U	50.0	41.7		ug/L		83	56 - 139
Bromomethane	5.0	U	50.0	68.1		ug/L		136	40 - 146
Carbon disulfide	5.0	U	50.0	44.3		ug/L		89	52 - 138
Carbon tetrachloride	5.0	U	50.0	44.9		ug/L		90	70 - 140
Chlorobenzene	5.0	U	50.0	54.4		ug/L		109	73 - 125
Chlorodibromomethane	5.0	U	50.0	46.0		ug/L		92	67 - 133
Chloroethane	5.0	U	50.0	64.0		ug/L		128	47 - 143
Chloroform	5.0	U	50.0	49.1		ug/L		98	67 - 133
Chloromethane	5.0	U	50.0	45.3		ug/L		91	51 - 137
cis-1,2-Dichloroethene	5.0	U	50.0	46.9		ug/L		94	69 - 127
cis-1,3-Dichloropropene	5.0	U	50.0	44.0		ug/L		88	50 - 140

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: 180-58894-10 MS

Matrix: Water

Analysis Batch: 189172

Client Sample ID: SW-18036-092016-010

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Cyclohexane	5.0	U	50.0	46.5		ug/L		93	45 - 142
Dichlorobromomethane	5.0	U	50.0	45.3		ug/L		91	65 - 135
Dichlorodifluoromethane	5.0	U	50.0	44.3		ug/L		89	38 - 145
Ethylbenzene	5.0	U	50.0	53.5		ug/L		107	65 - 133
Isopropylbenzene	5.0	U	50.0	56.6		ug/L		113	58 - 130
Methyl acetate	25	U	250	208		ug/L		83	47 - 142
Methyl tert-butyl ether	5.0	U	50.0	44.2		ug/L		88	50 - 150
Methylcyclohexane	5.0	U	50.0	46.4		ug/L		93	45 - 145
Methylene Chloride	5.0	U	50.0	47.4		ug/L		95	60 - 140
Styrene	5.0	U	50.0	54.0		ug/L		108	70 - 130
Tetrachloroethene	5.0	U	50.0	52.9		ug/L		106	73 - 127
Toluene	5.0	U	50.0	55.5		ug/L		111	74 - 126
trans-1,2-Dichloroethene	5.0	U	50.0	50.2		ug/L		100	69 - 131
trans-1,3-Dichloropropene	5.0	U	50.0	43.6		ug/L		87	64 - 134
Trichloroethene	1.4	J	50.0	51.4		ug/L		100	73 - 125
Trichlorofluoromethane	5.0	U	50.0	58.4		ug/L		117	56 - 141
Vinyl chloride	5.0	U	50.0	48.7		ug/L		97	30 - 140
Xylenes, Total	10	U	100	107		ug/L		107	53 - 140

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	100		71 - 118
Dibromofluoromethane (Surr)	91		64 - 128

Lab Sample ID: 180-58894-10 MSD

Matrix: Water

Analysis Batch: 189172

Client Sample ID: SW-18036-092016-010

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	5.0	U	50.0	48.9		ug/L		98	75 - 125	3	25
1,1,1,2-Tetrachloroethane	5.0	U	50.0	57.3		ug/L		115	60 - 140	7	25
1,1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	50.0	54.1		ug/L		108	46 - 148	8	35
1,1,2-Trichloroethane	5.0	U	50.0	57.1		ug/L		114	71 - 129	8	25
1,1-Dichloroethane	5.0	U	50.0	52.3		ug/L		105	72 - 128	7	25
1,1-Dichloroethene	5.0	U	50.0	50.8		ug/L		102	60 - 130	7	25
1,2,4-Trichlorobenzene	5.0	U	50.0	51.7		ug/L		103	55 - 140	7	35
1,2-Dibromo-3-Chloropropane	5.0	U	50.0	41.6		ug/L		83	37 - 133	5	35
1,2-Dibromoethane (EDB)	5.0	U	50.0	54.9		ug/L		110	74 - 123	8	35
1,2-Dichlorobenzene	5.0	U	50.0	58.7		ug/L		117	68 - 127	10	35
1,2-Dichloroethane	5.0	U	50.0	50.7		ug/L		101	68 - 132	9	25
1,2-Dichloropropane	5.0	U	50.0	52.1		ug/L		104	50 - 150	6	35
1,3-Dichlorobenzene	5.0	U	50.0	56.7		ug/L		113	73 - 127	9	35
1,4-Dichlorobenzene	5.0	U	50.0	58.0		ug/L		116	65 - 127	8	35
2-Butanone (MEK)	25	U	100	113		ug/L		113	39 - 138	19	35
2-Hexanone	25	U	100	110		ug/L		110	25 - 132	15	35
4-Methyl-2-pentanone (MIBK)	25	U	100	106		ug/L		106	60 - 135	14	30

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: 180-58894-10 MSD

Client Sample ID: SW-18036-092016-010

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 189172

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acetone	25	U	100	113		ug/L		113	22 - 150	18	35
Benzene	5.0	U	50.0	55.4		ug/L		111	71 - 129	8	25
Bromoform	5.0	U	50.0	41.4		ug/L		83	56 - 139	1	35
Bromomethane	5.0	U	50.0	61.8		ug/L		124	40 - 146	10	35
Carbon disulfide	5.0	U	50.0	45.4		ug/L		91	52 - 138	3	35
Carbon tetrachloride	5.0	U	50.0	47.3		ug/L		95	70 - 140	5	25
Chlorobenzene	5.0	U	50.0	58.0		ug/L		116	73 - 125	6	25
Chlorodibromomethane	5.0	U	50.0	44.9		ug/L		90	67 - 133	2	25
Chloroethane	5.0	U	50.0	67.9		ug/L		136	47 - 143	6	35
Chloroform	5.0	U	50.0	51.7		ug/L		103	67 - 133	5	25
Chloromethane	5.0	U	50.0	46.5		ug/L		93	51 - 137	3	35
cis-1,2-Dichloroethene	5.0	U	50.0	51.0		ug/L		102	69 - 127	8	20
cis-1,3-Dichloropropene	5.0	U	50.0	47.1		ug/L		94	50 - 140	7	35
Cyclohexane	5.0	U	50.0	50.7		ug/L		101	45 - 142	9	35
Dichlorobromomethane	5.0	U	50.0	48.4		ug/L		97	65 - 135	7	25
Dichlorodifluoromethane	5.0	U	50.0	48.7		ug/L		97	38 - 145	9	35
Ethylbenzene	5.0	U	50.0	56.6		ug/L		113	65 - 133	6	25
Isopropylbenzene	5.0	U	50.0	57.9		ug/L		116	58 - 130	2	35
Methyl acetate	25	U	250	239		ug/L		95	47 - 142	14	35
Methyl tert-butyl ether	5.0	U	50.0	50.4		ug/L		101	50 - 150	13	50
Methylcyclohexane	5.0	U	50.0	49.6		ug/L		99	45 - 145	7	35
Methylene Chloride	5.0	U	50.0	49.3		ug/L		99	60 - 140	4	25
Styrene	5.0	U	50.0	56.3		ug/L		113	70 - 130	4	30
Tetrachloroethene	5.0	U	50.0	53.3		ug/L		107	73 - 127	1	25
Toluene	5.0	U	50.0	57.4		ug/L		115	74 - 126	3	25
trans-1,2-Dichloroethene	5.0	U	50.0	52.5		ug/L		105	69 - 131	5	25
trans-1,3-Dichloropropene	5.0	U	50.0	46.1		ug/L		92	64 - 134	6	33
Trichloroethene	1.4	J	50.0	52.1		ug/L		102	73 - 125	1	25
Trichlorofluoromethane	5.0	U	50.0	57.0		ug/L		114	56 - 141	2	35
Vinyl chloride	5.0	U	50.0	48.0		ug/L		96	30 - 140	1	35
Xylenes, Total	10	U	100	113		ug/L		113	53 - 140	5	25

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	100		58 - 135
4-Bromofluorobenzene (Surr)	97		62 - 123
Toluene-d8 (Surr)	106		71 - 118
Dibromofluoromethane (Surr)	100		64 - 128

Lab Sample ID: MB 180-189282/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 189282

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/27/16 13:27	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 13:27	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/27/16 13:27	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/27/16 13:27	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: MB 180-189282/6
Matrix: Water
Analysis Batch: 189282

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 13:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/27/16 13:27	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/27/16 13:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/27/16 13:27	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/27/16 13:27	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/27/16 13:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/27/16 13:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
2-Butanone (MEK)	5.0	U	5.0	1.2	ug/L			09/27/16 13:27	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			09/27/16 13:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			09/27/16 13:27	1
Acetone	5.0	U	5.0	2.5	ug/L			09/27/16 13:27	1
Benzene	1.0	U	1.0	0.26	ug/L			09/27/16 13:27	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/27/16 13:27	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/27/16 13:27	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/27/16 13:27	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/27/16 13:27	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/27/16 13:27	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/27/16 13:27	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/27/16 13:27	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/27/16 13:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 13:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/27/16 13:27	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/27/16 13:27	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/27/16 13:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/27/16 13:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/27/16 13:27	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/27/16 13:27	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/27/16 13:27	1
Styrene	1.0	U	1.0	0.26	ug/L			09/27/16 13:27	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/27/16 13:27	1
Toluene	1.0	U	1.0	0.28	ug/L			09/27/16 13:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/27/16 13:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/27/16 13:27	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/27/16 13:27	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/27/16 13:27	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/27/16 13:27	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/27/16 13:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		58 - 135		09/27/16 13:27	1
4-Bromofluorobenzene (Surr)	96		62 - 123		09/27/16 13:27	1
Dibromofluoromethane (Surr)	99		64 - 128		09/27/16 13:27	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: MB 180-189282/6
Matrix: Water
Analysis Batch: 189282

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

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	99		71 - 118		09/27/16 13:27	1

Lab Sample ID: LCS 180-189282/1002
Matrix: Water
Analysis Batch: 189282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	9.90		ug/L		99	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.0		ug/L		100	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.92		ug/L		99	46 - 148
1,1,2-Trichloroethane	10.0	9.95		ug/L		99	71 - 129
1,1-Dichloroethane	10.0	10.0		ug/L		100	72 - 128
1,1-Dichloroethene	10.0	9.60		ug/L		96	60 - 130
1,2,4-Trichlorobenzene	10.0	8.87		ug/L		89	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	8.93		ug/L		89	37 - 133
1,2-Dibromoethane (EDB)	10.0	9.40		ug/L		94	74 - 123
1,2-Dichlorobenzene	10.0	9.55		ug/L		95	68 - 127
1,2-Dichloroethane	10.0	9.74		ug/L		97	68 - 132
1,2-Dichloropropane	10.0	9.64		ug/L		96	50 - 150
1,3-Dichlorobenzene	10.0	9.34		ug/L		93	73 - 127
1,4-Dichlorobenzene	10.0	9.26		ug/L		93	65 - 127
2-Butanone (MEK)	20.0	113	E *	ug/L		566	39 - 138
2-Hexanone	20.0	107	E *	ug/L		535	25 - 132
4-Methyl-2-pentanone (MIBK)	20.0	105	E *	ug/L		523	60 - 135
Acetone	20.0	113	E *	ug/L		565	22 - 150
Benzene	10.0	10.3		ug/L		103	71 - 129
Bromoform	10.0	9.81		ug/L		98	56 - 139
Bromomethane	10.0	12.6		ug/L		126	40 - 146
Carbon disulfide	10.0	9.61		ug/L		96	52 - 138
Carbon tetrachloride	10.0	10.5		ug/L		105	70 - 140
Chlorobenzene	10.0	9.82		ug/L		98	73 - 125
Chlorodibromomethane	10.0	9.23		ug/L		92	67 - 133
Chloroethane	10.0	9.67		ug/L		97	47 - 143
Chloroform	10.0	9.92		ug/L		99	67 - 133
Chloromethane	10.0	10.0		ug/L		100	51 - 137
cis-1,2-Dichloroethene	10.0	10.0		ug/L		100	69 - 127
cis-1,3-Dichloropropene	10.0	9.36		ug/L		94	50 - 140
Cyclohexane	10.0	10.6		ug/L		106	45 - 142
Dichlorobromomethane	10.0	9.45		ug/L		94	65 - 135
Dichlorodifluoromethane	10.0	9.72		ug/L		97	38 - 145
Ethylbenzene	10.0	10.2		ug/L		102	65 - 133
Isopropylbenzene	10.0	10.3		ug/L		103	58 - 130
Methyl acetate	50.0	54.4		ug/L		109	47 - 142
Methyl tert-butyl ether	10.0	10.2		ug/L		102	50 - 150
Methylcyclohexane	10.0	9.90		ug/L		99	45 - 145
Methylene Chloride	10.0	6.33		ug/L		63	60 - 140
Styrene	10.0	10.3		ug/L		103	70 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: LCS 180-189282/1002

Matrix: Water

Analysis Batch: 189282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	10.0	10.4		ug/L		104	73 - 127
Toluene	10.0	9.98		ug/L		100	74 - 126
trans-1,2-Dichloroethene	10.0	10.0		ug/L		100	69 - 131
trans-1,3-Dichloropropene	10.0	9.53		ug/L		95	64 - 134
Trichloroethene	10.0	9.45		ug/L		95	73 - 125
Trichlorofluoromethane	10.0	11.1		ug/L		111	56 - 141
Vinyl chloride	10.0	10.2		ug/L		102	30 - 140
Xylenes, Total	20.0	20.2		ug/L		101	53 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		58 - 135
4-Bromofluorobenzene (Surr)	106		62 - 123
Dibromofluoromethane (Surr)	101		64 - 128
Toluene-d8 (Surr)	97		71 - 118

Lab Sample ID: 180-58893-B-3 MS

Matrix: Water

Analysis Batch: 189282

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
1,1,1-Trichloroethane	1.0	U	10.0	10.1		ug/L		101	75 - 125
1,1,1,2-Tetrachloroethane			10.0	1.0	U	ug/L			
1,1,1,2-Trichloro-1,2,2-trifluoroethane			10.0	1.0	U	ug/L			
1,1,2-Trichloroethane			10.0	1.0	U	ug/L			
1,1-Dichloroethane			10.0	1.0	U	ug/L			
1,1-Dichloroethene			10.0	1.0	U	ug/L			
1,2,4-Trichlorobenzene			10.0	1.0	U	ug/L			
1,2-Dibromo-3-Chloropropane			10.0	1.0	U	ug/L			
1,2-Dibromoethane (EDB)			10.0	1.0	U	ug/L			
1,2-Dichlorobenzene			10.0	1.0	U	ug/L			
1,2-Dichloroethane			10.0	1.0	U	ug/L			
1,2-Dichloropropane			10.0	1.0	U	ug/L			
1,3-Dichlorobenzene			10.0	1.0	U	ug/L			
1,4-Dichlorobenzene			10.0	1.0	U	ug/L			
2-Butanone (MEK)			20.0	5.0	U	ug/L			
2-Hexanone			20.0	5.0	U	ug/L			
4-Methyl-2-pentanone (MIBK)			20.0	5.0	U	ug/L			
Acetone			20.0	5.0	U	ug/L			
Benzene			10.0	1.0	U	ug/L			
Bromoform			10.0	1.0	U	ug/L			
Bromomethane			10.0	1.0	U	ug/L			
Carbon disulfide			10.0	1.0	U	ug/L			
Carbon tetrachloride			10.0	1.0	U	ug/L			
Chlorobenzene			10.0	1.0	U	ug/L			
Chlorodibromomethane			10.0	1.0	U	ug/L			
Chloroethane			10.0	1.0	U	ug/L			
Chloroform			10.0	1.0	U	ug/L			

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: 180-58893-B-3 MS

Matrix: Water

Analysis Batch: 189282

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
Chloromethane			10.0	1.0	U	ug/L			
cis-1,2-Dichloroethene	1.0	U	10.0	10.2		ug/L		102	69 - 127
cis-1,3-Dichloropropene			10.0	1.0	U	ug/L			
Cyclohexane			10.0	1.0	U	ug/L			
Dichlorobromomethane			10.0	1.0	U	ug/L			
Dichlorodifluoromethane			10.0	1.0	U	ug/L			
Ethylbenzene			10.0	1.0	U	ug/L			
Isopropylbenzene			10.0	1.0	U	ug/L			
Methyl acetate			50.0	5.0	U	ug/L			
Methyl tert-butyl ether			10.0	1.0	U	ug/L			
Methylcyclohexane			10.0	1.0	U	ug/L			
Methylene Chloride			10.0	1.0	U	ug/L			
Styrene			10.0	1.0	U	ug/L			
Tetrachloroethene			10.0	1.0	U	ug/L			
Toluene	1.0	U	10.0	11.0		ug/L		110	74 - 126
trans-1,2-Dichloroethene	1.0	U	10.0	1.0	U F1	ug/L		0	69 - 131
trans-1,3-Dichloropropene			10.0	1.0	U	ug/L			
Trichloroethene	1.0	U	10.0	9.84		ug/L		98	73 - 125
Trichlorofluoromethane			10.0	1.0	U	ug/L			
Vinyl chloride	1.0	U	10.0	11.5		ug/L		115	30 - 140
Xylenes, Total	Missing Input	F1	20.0	2.0	U F1	ug/L		0	53 - 140

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	92		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Dibromofluoromethane (Surr)	97		64 - 128
Toluene-d8 (Surr)	98		71 - 118

Lab Sample ID: 180-58893-B-3 MSD

Matrix: Water

Analysis Batch: 189282

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	10.0	10.2		ug/L		102	75 - 125	1	25
1,1,1,2,2-Tetrachloroethane			10.0	9.94		ug/L					
1,1,2-Trichloro-1,2,2-trifluoroethane			10.0	10.3		ug/L					
1,1,2-Trichloroethane			10.0	9.80		ug/L					
1,1-Dichloroethane			10.0	9.84		ug/L					
1,1-Dichloroethene			10.0	10.0		ug/L					
1,2,4-Trichlorobenzene			10.0	8.68		ug/L					
1,2-Dibromo-3-Chloropropane			10.0	8.57		ug/L					
1,2-Dibromoethane (EDB)			10.0	9.84		ug/L					
1,2-Dichlorobenzene			10.0	9.43		ug/L					
1,2-Dichloroethane			10.0	9.87		ug/L					
1,2-Dichloropropane			10.0	9.91		ug/L					
1,3-Dichlorobenzene			10.0	9.66		ug/L					
1,4-Dichlorobenzene			10.0	9.49		ug/L					

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: 180-58893-B-3 MSD

Matrix: Water

Analysis Batch: 189282

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)			20.0	22.0		ug/L					
2-Hexanone			20.0	19.1		ug/L					
4-Methyl-2-pentanone (MIBK)			20.0	17.5		ug/L					
Acetone			20.0	27.3		ug/L					
Benzene			10.0	10.4		ug/L					
Bromoform			10.0	9.96		ug/L					
Bromomethane			10.0	15.3		ug/L					
Carbon disulfide			10.0	11.0		ug/L					
Carbon tetrachloride			10.0	10.6		ug/L					
Chlorobenzene			10.0	10.0		ug/L					
Chlorodibromomethane			10.0	9.67		ug/L					
Chloroethane			10.0	10.9		ug/L					
Chloroform			10.0	10.0		ug/L					
Chloromethane			10.0	10.7		ug/L					
cis-1,2-Dichloroethene	1.0	U	10.0	9.97		ug/L		100	69 - 127	2	20
cis-1,3-Dichloropropene			10.0	9.46		ug/L					
Cyclohexane			10.0	10.4		ug/L					
Dichlorobromomethane			10.0	9.64		ug/L					
Dichlorodifluoromethane			10.0	10.2		ug/L					
Ethylbenzene			10.0	10.8		ug/L					
Isopropylbenzene			10.0	10.3		ug/L					
Methyl acetate			50.0	51.8		ug/L					
Methyl tert-butyl ether			10.0	9.41		ug/L					
Methylcyclohexane			10.0	9.96		ug/L					
Methylene Chloride			10.0	9.68		ug/L					
Styrene			10.0	10.4		ug/L					
Tetrachloroethene			10.0	10.6		ug/L					
Toluene	1.0	U	10.0	10.6		ug/L		106	74 - 126	4	25
trans-1,2-Dichloroethene	1.0	U	10.0	10.5		ug/L		105	69 - 131	NC	25
trans-1,3-Dichloropropene			10.0	9.53		ug/L					
Trichloroethene	1.0	U	10.0	10.1		ug/L		101	73 - 125	2	25
Trichlorofluoromethane			10.0	12.3		ug/L					
Vinyl chloride	1.0	U	10.0	10.8		ug/L		108	30 - 140	7	35
Xylenes, Total	Missing Input	F1	20.0	20.2		ug/L		NaN	53 - 140	NC	25

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Dibromofluoromethane (Surr)	97		64 - 128
Toluene-d8 (Surr)	99		71 - 118

Lab Sample ID: MB 180-189420/5

Matrix: Water

Analysis Batch: 189420

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/28/16 12:07	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 12:07	1

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: MB 180-189420/5
Matrix: Water
Analysis Batch: 189420

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			09/28/16 12:07	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			09/28/16 12:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 12:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.19	ug/L			09/28/16 12:07	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			09/28/16 12:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.28	ug/L			09/28/16 12:07	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/28/16 12:07	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			09/28/16 12:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.25	ug/L			09/28/16 12:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
2-Butanone (MEK)	5.0	U	5.0	1.2	ug/L			09/28/16 12:07	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			09/28/16 12:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			09/28/16 12:07	1
Acetone	5.0	U	5.0	2.5	ug/L			09/28/16 12:07	1
Benzene	1.0	U	1.0	0.26	ug/L			09/28/16 12:07	1
Bromoform	1.0	U	1.0	0.29	ug/L			09/28/16 12:07	1
Bromomethane	1.0	U	1.0	0.36	ug/L			09/28/16 12:07	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			09/28/16 12:07	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			09/28/16 12:07	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			09/28/16 12:07	1
Chlorodibromomethane	1.0	U	1.0	0.40	ug/L			09/28/16 12:07	1
Chloroethane	1.0	U	1.0	0.26	ug/L			09/28/16 12:07	1
Chloroform	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
Chloromethane	1.0	U	1.0	0.23	ug/L			09/28/16 12:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 12:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			09/28/16 12:07	1
Cyclohexane	1.0	U	1.0	0.28	ug/L			09/28/16 12:07	1
Dichlorobromomethane	1.0	U	1.0	0.23	ug/L			09/28/16 12:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
Ethylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
Isopropylbenzene	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
Methyl acetate	5.0	U	5.0	1.5	ug/L			09/28/16 12:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			09/28/16 12:07	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			09/28/16 12:07	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			09/28/16 12:07	1
Styrene	1.0	U	1.0	0.26	ug/L			09/28/16 12:07	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			09/28/16 12:07	1
Toluene	1.0	U	1.0	0.28	ug/L			09/28/16 12:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/28/16 12:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.24	ug/L			09/28/16 12:07	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			09/28/16 12:07	1
Trichlorofluoromethane	1.0	U	1.0	0.31	ug/L			09/28/16 12:07	1
Vinyl chloride	1.0	U	1.0	0.32	ug/L			09/28/16 12:07	1
Xylenes, Total	2.0	U	2.0	0.48	ug/L			09/28/16 12:07	1

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: MB 180-189420/5
Matrix: Water
Analysis Batch: 189420

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		09/28/16 12:07	1
4-Bromofluorobenzene (Surr)	93		62 - 123		09/28/16 12:07	1
Dibromofluoromethane (Surr)	97		64 - 128		09/28/16 12:07	1
Toluene-d8 (Surr)	97		71 - 118		09/28/16 12:07	1

Lab Sample ID: LCS 180-189420/1002
Matrix: Water
Analysis Batch: 189420

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	9.78		ug/L		98	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.7		ug/L		107	46 - 148
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	71 - 129
1,1-Dichloroethane	10.0	10.0		ug/L		100	72 - 128
1,1-Dichloroethene	10.0	10.1		ug/L		101	60 - 130
1,2,4-Trichlorobenzene	10.0	8.58		ug/L		86	55 - 140
1,2-Dibromo-3-Chloropropane	10.0	8.75		ug/L		88	37 - 133
1,2-Dibromoethane (EDB)	10.0	9.91		ug/L		99	74 - 123
1,2-Dichlorobenzene	10.0	9.39		ug/L		94	68 - 127
1,2-Dichloroethane	10.0	10.2		ug/L		102	68 - 132
1,2-Dichloropropane	10.0	9.63		ug/L		96	50 - 150
1,3-Dichlorobenzene	10.0	9.29		ug/L		93	73 - 127
1,4-Dichlorobenzene	10.0	9.62		ug/L		96	65 - 127
2-Butanone (MEK)	20.0	24.9		ug/L		124	39 - 138
2-Hexanone	20.0	21.5		ug/L		108	25 - 132
4-Methyl-2-pentanone (MIBK)	20.0	18.6		ug/L		93	60 - 135
Acetone	20.0	31.8	*	ug/L		159	22 - 150
Benzene	10.0	10.4		ug/L		104	71 - 129
Bromoform	10.0	10.5		ug/L		105	56 - 139
Bromomethane	10.0	15.1	*	ug/L		151	40 - 146
Carbon disulfide	10.0	10.7		ug/L		107	52 - 138
Carbon tetrachloride	10.0	10.2		ug/L		102	70 - 140
Chlorobenzene	10.0	10.2		ug/L		102	73 - 125
Chlorodibromomethane	10.0	10.3		ug/L		103	67 - 133
Chloroethane	10.0	11.0		ug/L		110	47 - 143
Chloroform	10.0	10.1		ug/L		101	67 - 133
Chloromethane	10.0	10.2		ug/L		102	51 - 137
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	69 - 127
cis-1,3-Dichloropropene	10.0	9.45		ug/L		95	50 - 140
Cyclohexane	10.0	10.5		ug/L		105	45 - 142
Dichlorobromomethane	10.0	9.70		ug/L		97	65 - 135
Dichlorodifluoromethane	10.0	9.61		ug/L		96	38 - 145
Ethylbenzene	10.0	10.6		ug/L		106	65 - 133
Isopropylbenzene	10.0	10.3		ug/L		103	58 - 130
Methyl acetate	50.0	55.9		ug/L		112	47 - 142
Methyl tert-butyl ether	10.0	9.88		ug/L		99	50 - 150

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: LCS 180-189420/1002

Matrix: Water

Analysis Batch: 189420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	10.0	10.1		ug/L		101	45 - 145
Methylene Chloride	10.0	10.9		ug/L		109	60 - 140
Styrene	10.0	10.4		ug/L		104	70 - 130
Tetrachloroethene	10.0	10.9		ug/L		109	73 - 127
Toluene	10.0	10.9		ug/L		109	74 - 126
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	69 - 131
trans-1,3-Dichloropropene	10.0	9.78		ug/L		98	64 - 134
Trichloroethene	10.0	9.89		ug/L		99	73 - 125
Trichlorofluoromethane	10.0	11.4		ug/L		114	56 - 141
Vinyl chloride	10.0	10.9		ug/L		109	30 - 140
Xylenes, Total	20.0	20.1		ug/L		100	53 - 140

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	98		58 - 135
4-Bromofluorobenzene (Surr)	99		62 - 123
Dibromofluoromethane (Surr)	97		64 - 128
Toluene-d8 (Surr)	100		71 - 118

Lab Sample ID: 180-58894-11 MS

Matrix: Water

Analysis Batch: 189420

Client Sample ID: SW-18036-092016-011

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	10.0	9.33		ug/L		93	75 - 125
1,1,2,2-Tetrachloroethane	1.0	U	10.0	9.73		ug/L		97	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	8.77		ug/L		88	46 - 148
1,1,2-Trichloroethane	1.0	U	10.0	10.5		ug/L		105	71 - 129
1,1-Dichloroethane	1.0	U	10.0	10.2		ug/L		102	72 - 128
1,1-Dichloroethene	1.0	U	10.0	8.92		ug/L		89	60 - 130
1,2,4-Trichlorobenzene	1.0	U	10.0	6.70		ug/L		67	55 - 140
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	7.68		ug/L		77	37 - 133
1,2-Dibromoethane (EDB)	1.0	U	10.0	9.88		ug/L		99	74 - 123
1,2-Dichlorobenzene	1.0	U	10.0	9.34		ug/L		93	68 - 127
1,2-Dichloroethane	1.0	U	10.0	10.4		ug/L		104	68 - 132
1,2-Dichloropropane	1.0	U	10.0	10.3		ug/L		103	50 - 150
1,3-Dichlorobenzene	1.0	U	10.0	8.77		ug/L		88	73 - 127
1,4-Dichlorobenzene	1.0	U	10.0	8.96		ug/L		90	65 - 127
2-Butanone (MEK)	5.0	U	20.0	15.4		ug/L		77	39 - 138
2-Hexanone	5.0	U	20.0	15.1		ug/L		76	25 - 132
4-Methyl-2-pentanone (MIBK)	5.0	U	20.0	15.9		ug/L		80	60 - 135
Acetone	5.0	U *	20.0	15.9		ug/L		79	22 - 150
Benzene	1.0	U	10.0	10.6		ug/L		106	71 - 129
Bromoform	1.0	U	10.0	10.3		ug/L		103	56 - 139
Bromomethane	1.0	U * F1	10.0	14.8	F1	ug/L		148	40 - 146
Carbon disulfide	1.0	U	10.0	9.55		ug/L		96	52 - 138
Carbon tetrachloride	1.0	U	10.0	9.45		ug/L		94	70 - 140
Chlorobenzene	1.0	U	10.0	10.1		ug/L		101	73 - 125

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: 180-58894-11 MS

Matrix: Water

Analysis Batch: 189420

Client Sample ID: SW-18036-092016-011

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	1.0	U	10.0	10.4		ug/L		104	67 - 133
Chloroethane	1.0	U	10.0	10.2		ug/L		102	47 - 143
Chloroform	1.0	U	10.0	10.6		ug/L		106	67 - 133
Chloromethane	1.0	U	10.0	8.91		ug/L		89	51 - 137
cis-1,2-Dichloroethene	1.0	U	10.0	10.4		ug/L		104	69 - 127
cis-1,3-Dichloropropene	1.0	U	10.0	9.76		ug/L		98	50 - 140
Cyclohexane	1.0	U	10.0	9.10		ug/L		91	45 - 142
Dichlorobromomethane	1.0	U	10.0	10.3		ug/L		103	65 - 135
Dichlorodifluoromethane	1.0	U	10.0	6.95		ug/L		70	38 - 145
Ethylbenzene	1.0	U	10.0	9.81		ug/L		98	65 - 133
Isopropylbenzene	1.0	U	10.0	9.14		ug/L		91	58 - 130
Methyl acetate	5.0	U	50.0	45.3		ug/L		91	47 - 142
Methyl tert-butyl ether	1.0	U	10.0	10.5		ug/L		105	50 - 150
Methylcyclohexane	1.0	U	10.0	8.43		ug/L		84	45 - 145
Methylene Chloride	1.0	U F1 F2	10.0	4.05	F1	ug/L		41	60 - 140
Styrene	1.0	U	10.0	10.3		ug/L		103	70 - 130
Tetrachloroethene	1.7		10.0	10.8		ug/L		91	73 - 127
Toluene	1.0	U	10.0	10.3		ug/L		103	74 - 126
trans-1,2-Dichloroethene	1.0	U	10.0	9.99		ug/L		100	69 - 131
trans-1,3-Dichloropropene	1.0	U	10.0	9.82		ug/L		98	64 - 134
Trichloroethene	1.0	U	10.0	9.63		ug/L		96	73 - 125
Trichlorofluoromethane	1.0	U	10.0	9.42		ug/L		94	56 - 141
Vinyl chloride	1.0	U	10.0	9.00		ug/L		90	30 - 140
Xylenes, Total	2.0	U	20.0	18.7		ug/L		93	53 - 140

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	107		58 - 135
4-Bromofluorobenzene (Surr)	97		62 - 123
Dibromofluoromethane (Surr)	103		64 - 128
Toluene-d8 (Surr)	97		71 - 118

Lab Sample ID: 180-58894-11 MSD

Matrix: Water

Analysis Batch: 189420

Client Sample ID: SW-18036-092016-011

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	10.0	9.03		ug/L		90	75 - 125	3	25
1,1,2,2-Tetrachloroethane	1.0	U	10.0	9.91		ug/L		99	60 - 140	2	25
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	10.0	8.41		ug/L		84	46 - 148	4	35
1,1,2-Trichloroethane	1.0	U	10.0	10.8		ug/L		108	71 - 129	3	25
1,1-Dichloroethane	1.0	U	10.0	10.3		ug/L		103	72 - 128	2	25
1,1-Dichloroethene	1.0	U	10.0	8.65		ug/L		86	60 - 130	3	25
1,2,4-Trichlorobenzene	1.0	U	10.0	8.67		ug/L		87	55 - 140	26	35
1,2-Dibromo-3-Chloropropane	1.0	U	10.0	7.94		ug/L		79	37 - 133	3	35
1,2-Dibromoethane (EDB)	1.0	U	10.0	9.63		ug/L		96	74 - 123	3	35
1,2-Dichlorobenzene	1.0	U	10.0	9.54		ug/L		95	68 - 127	2	35
1,2-Dichloroethane	1.0	U	10.0	11.2		ug/L		112	68 - 132	7	25

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: 180-58894-11 MSD

Client Sample ID: SW-18036-092016-011

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 189420

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	1.0	U	10.0	11.1		ug/L		111	50 - 150	8	35
1,3-Dichlorobenzene	1.0	U	10.0	8.80		ug/L		88	73 - 127	0	35
1,4-Dichlorobenzene	1.0	U	10.0	9.40		ug/L		94	65 - 127	5	35
2-Butanone (MEK)	5.0	U	20.0	15.2		ug/L		76	39 - 138	2	35
2-Hexanone	5.0	U	20.0	15.1		ug/L		75	25 - 132	0	35
4-Methyl-2-pentanone (MIBK)	5.0	U	20.0	16.2		ug/L		81	60 - 135	2	30
Acetone	5.0	U *	20.0	16.0		ug/L		80	22 - 150	1	35
Benzene	1.0	U	10.0	10.9		ug/L		109	71 - 129	3	25
Bromoform	1.0	U	10.0	9.88		ug/L		99	56 - 139	5	35
Bromomethane	1.0	U * F1	10.0	15.2	F1	ug/L		152	40 - 146	3	35
Carbon disulfide	1.0	U	10.0	9.52		ug/L		95	52 - 138	0	35
Carbon tetrachloride	1.0	U	10.0	9.22		ug/L		92	70 - 140	2	25
Chlorobenzene	1.0	U	10.0	10.0		ug/L		100	73 - 125	1	25
Chlorodibromomethane	1.0	U	10.0	10.7		ug/L		107	67 - 133	3	25
Chloroethane	1.0	U	10.0	10.3		ug/L		103	47 - 143	1	35
Chloroform	1.0	U	10.0	10.8		ug/L		108	67 - 133	2	25
Chloromethane	1.0	U	10.0	9.60		ug/L		96	51 - 137	7	35
cis-1,2-Dichloroethene	1.0	U	10.0	10.6		ug/L		106	69 - 127	2	20
cis-1,3-Dichloropropene	1.0	U	10.0	9.92		ug/L		99	50 - 140	2	35
Cyclohexane	1.0	U	10.0	8.46		ug/L		85	45 - 142	7	35
Dichlorobromomethane	1.0	U	10.0	10.7		ug/L		107	65 - 135	3	25
Dichlorodifluoromethane	1.0	U	10.0	6.66		ug/L		67	38 - 145	4	35
Ethylbenzene	1.0	U	10.0	9.73		ug/L		97	65 - 133	1	25
Isopropylbenzene	1.0	U	10.0	8.97		ug/L		90	58 - 130	2	35
Methyl acetate	5.0	U	50.0	46.1		ug/L		92	47 - 142	2	35
Methyl tert-butyl ether	1.0	U	10.0	10.8		ug/L		108	50 - 150	3	50
Methylcyclohexane	1.0	U	10.0	7.83		ug/L		78	45 - 145	7	35
Methylene Chloride	1.0	U F1 F2	10.0	8.90	F2	ug/L		89	60 - 140	75	25
Styrene	1.0	U	10.0	10.2		ug/L		102	70 - 130	1	30
Tetrachloroethene	1.7	U	10.0	10.7		ug/L		90	73 - 127	1	25
Toluene	1.0	U	10.0	10.4		ug/L		104	74 - 126	1	25
trans-1,2-Dichloroethene	1.0	U	10.0	10.4		ug/L		104	69 - 131	4	25
trans-1,3-Dichloropropene	1.0	U	10.0	10.1		ug/L		101	64 - 134	3	33
Trichloroethene	1.0	U	10.0	9.75		ug/L		97	73 - 125	1	25
Trichlorofluoromethane	1.0	U	10.0	9.40		ug/L		94	56 - 141	0	35
Vinyl chloride	1.0	U	10.0	8.63		ug/L		86	30 - 140	4	35
Xylenes, Total	2.0	U	20.0	18.9		ug/L		94	53 - 140	1	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		58 - 135
4-Bromofluorobenzene (Surr)	92		62 - 123
Dibromofluoromethane (Surr)	108		64 - 128
Toluene-d8 (Surr)	98		71 - 118

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-188791/1-A
Matrix: Water
Analysis Batch: 189111

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 188791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.057	ug/L		09/22/16 07:15	09/23/16 12:55	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:15	09/23/16 12:55	1

Lab Sample ID: MB 180-188791/1-A
Matrix: Water
Analysis Batch: 189182

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 188791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.0	U	5.0	0.69	ug/L		09/22/16 07:15	09/26/16 09:04	1

Lab Sample ID: LCS 180-188791/2-A
Matrix: Water
Analysis Batch: 189111

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 188791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cadmium	50.0	47.1		ug/L		94	85 - 115
Lead	500	478		ug/L		96	85 - 115

Lab Sample ID: LCS 180-188791/2-A
Matrix: Water
Analysis Batch: 189182

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 188791

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

Lab Sample ID: 180-58893-A-8-B MS
Matrix: Water
Analysis Batch: 189111

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 188791

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cadmium	5.0	U	50.0	45.9		ug/L		92	70 - 130
Lead	3.5	J	500	472		ug/L		94	70 - 130

Lab Sample ID: 180-58893-A-8-C MSD
Matrix: Water
Analysis Batch: 189111

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 188791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cadmium	5.0	U	50.0	45.8		ug/L		92	70 - 130	0	20

Lab Sample ID: 180-58893-A-8-C MSD
Matrix: Water
Analysis Batch: 189182

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 188791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	3.5	J	500	522		ug/L		104	70 - 130	10	20

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: MB 180-188792/1-A
Matrix: Water
Analysis Batch: 189110

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 188792

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.057	ug/L		09/22/16 07:17	09/23/16 17:25	1
Chromium	5.0	U	5.0	0.69	ug/L		09/22/16 07:17	09/23/16 17:25	1
Lead	10	U	10	2.7	ug/L		09/22/16 07:17	09/23/16 17:25	1

Lab Sample ID: LCS 180-188792/2-A
Matrix: Water
Analysis Batch: 189110

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 188792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	200	203		ug/L		102	85 - 115
Lead	500	519		ug/L		104	85 - 115

Lab Sample ID: 180-58894-10 MS
Matrix: Water
Analysis Batch: 189110

Client Sample ID: SW-18036-092016-010
Prep Type: Total Recoverable
Prep Batch: 188792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	4.1	J	200	199		ug/L		97	70 - 130
Lead	10	U	500	491		ug/L		98	70 - 130

Lab Sample ID: 180-58894-10 MSD
Matrix: Water
Analysis Batch: 189110

Client Sample ID: SW-18036-092016-010
Prep Type: Total Recoverable
Prep Batch: 188792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	4.1	J	200	202		ug/L		99	70 - 130	2	20
Lead	10	U	500	499		ug/L		100	70 - 130	2	20

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

Lab Sample ID: MB 180-188891/2
Matrix: Water
Analysis Batch: 188891

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	0.50	U	0.50	0.50	mg/L			09/22/16 14:57	1

Lab Sample ID: LCS 180-188891/1
Matrix: Water
Analysis Batch: 188891

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

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

Lab Sample ID: 180-58894-10 DU
Matrix: Water
Analysis Batch: 188891

Client Sample ID: SW-18036-092016-010
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	76		73.0		mg/L		5	10

Lab Sample ID: MB 180-189187/2
Matrix: Water
Analysis Batch: 189187

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	0.50	U	0.50	0.50	mg/L			09/26/16 12:47	1

Lab Sample ID: LCS 180-189187/1
Matrix: Water
Analysis Batch: 189187

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	28.4	30.0		mg/L		106	80 - 120

Lab Sample ID: 180-59013-C-1 DU
Matrix: Water
Analysis Batch: 189187

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	31		32.8		mg/L		6	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-189430/1
Matrix: Water
Analysis Batch: 189430

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	7.0		SU		100	99 - 101

Lab Sample ID: 180-58894-1 DU
Matrix: Water
Analysis Batch: 189430

Client Sample ID: SW-18036-092016-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	8.2	HF	8.2		SU		0.1	2

Lab Sample ID: LCS 180-189440/1
Matrix: Water
Analysis Batch: 189440

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	7.0		SU		100	99 - 101

TestAmerica Pittsburgh

QC Sample Results

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 180-58894-10 DU
Matrix: Water
Analysis Batch: 189440

Client Sample ID: SW-18036-092016-010
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.8	HF	7.8	HF	SU	--	0.5	2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

GC/MS VOA

Analysis Batch: 189172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-10	SW-18036-092016-010	Total/NA	Water	624	
180-58894-12	18036-092016-TRIP BLANK 01	Total/NA	Water	624	
MB 180-189172/4	Method Blank	Total/NA	Water	624	
LCS 180-189172/1002	Lab Control Sample	Total/NA	Water	624	
180-58894-10 MS	SW-18036-092016-010	Total/NA	Water	624	
180-58894-10 MSD	SW-18036-092016-010	Total/NA	Water	624	

Analysis Batch: 189282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-1	SW-18036-092016-001	Total/NA	Water	624	
180-58894-2	SW-18036-092016-002	Total/NA	Water	624	
180-58894-3	SW-18036-092016-003	Total/NA	Water	624	
180-58894-4	SW-18036-092016-004	Total/NA	Water	624	
180-58894-5	SW-18036-092016-005	Total/NA	Water	624	
180-58894-8	SW-18036-092016-008	Total/NA	Water	624	
180-58894-9	SW-18036-092016-009	Total/NA	Water	624	
MB 180-189282/6	Method Blank	Total/NA	Water	624	
LCS 180-189282/1002	Lab Control Sample	Total/NA	Water	624	
180-58893-B-3 MS	Matrix Spike	Total/NA	Water	624	
180-58893-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	624	

Analysis Batch: 189420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-6	SW-18036-092016-006	Total/NA	Water	624	
180-58894-7	SW-18036-092016-007	Total/NA	Water	624	
180-58894-8 - DL	SW-18036-092016-008	Total/NA	Water	624	
180-58894-11	SW-18036-092016-011	Total/NA	Water	624	
MB 180-189420/5	Method Blank	Total/NA	Water	624	
LCS 180-189420/1002	Lab Control Sample	Total/NA	Water	624	
180-58894-11 MS	SW-18036-092016-011	Total/NA	Water	624	
180-58894-11 MSD	SW-18036-092016-011	Total/NA	Water	624	

Metals

Prep Batch: 188791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-1	SW-18036-092016-001	Total Recoverable	Water	200.7	
180-58894-2	SW-18036-092016-002	Total Recoverable	Water	200.7	
180-58894-3	SW-18036-092016-003	Total Recoverable	Water	200.7	
180-58894-4	SW-18036-092016-004	Total Recoverable	Water	200.7	
MB 180-188791/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 180-188791/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-58893-A-8-B MS	Matrix Spike	Total Recoverable	Water	200.7	
180-58893-A-8-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	

Prep Batch: 188792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-5	SW-18036-092016-005	Total Recoverable	Water	200.7	
180-58894-6	SW-18036-092016-006	Total Recoverable	Water	200.7	
180-58894-7	SW-18036-092016-007	Total Recoverable	Water	200.7	

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

Metals (Continued)

Prep Batch: 188792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-8	SW-18036-092016-008	Total Recoverable	Water	200.7	
180-58894-9	SW-18036-092016-009	Total Recoverable	Water	200.7	
180-58894-10	SW-18036-092016-010	Total Recoverable	Water	200.7	
180-58894-11	SW-18036-092016-011	Total Recoverable	Water	200.7	
MB 180-188792/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 180-188792/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-58894-10 MS	SW-18036-092016-010	Total Recoverable	Water	200.7	
180-58894-10 MSD	SW-18036-092016-010	Total Recoverable	Water	200.7	

Analysis Batch: 189110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-5	SW-18036-092016-005	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-6	SW-18036-092016-006	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-7	SW-18036-092016-007	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-8	SW-18036-092016-008	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-9	SW-18036-092016-009	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-10	SW-18036-092016-010	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-11	SW-18036-092016-011	Total Recoverable	Water	200.7 Rev 4.4	188792
MB 180-188792/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	188792
LCS 180-188792/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-10 MS	SW-18036-092016-010	Total Recoverable	Water	200.7 Rev 4.4	188792
180-58894-10 MSD	SW-18036-092016-010	Total Recoverable	Water	200.7 Rev 4.4	188792

Analysis Batch: 189111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-1	SW-18036-092016-001	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58894-2	SW-18036-092016-002	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58894-3	SW-18036-092016-003	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58894-4	SW-18036-092016-004	Total Recoverable	Water	200.7 Rev 4.4	188791
MB 180-188791/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	188791
LCS 180-188791/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58893-A-8-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58893-A-8-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	188791

Analysis Batch: 189182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-1	SW-18036-092016-001	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58894-2	SW-18036-092016-002	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58894-3	SW-18036-092016-003	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58894-4	SW-18036-092016-004	Total Recoverable	Water	200.7 Rev 4.4	188791
MB 180-188791/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	188791
LCS 180-188791/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	188791
180-58893-A-8-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	188791

General Chemistry

Analysis Batch: 188891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-1	SW-18036-092016-001	Total/NA	Water	SM 2540D	
180-58894-2	SW-18036-092016-002	Total/NA	Water	SM 2540D	

TestAmerica Pittsburgh

QC Association Summary

Client: Brausch Environmental LLC
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-58894-1

General Chemistry (Continued)

Analysis Batch: 188891 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-3	SW-18036-092016-003	Total/NA	Water	SM 2540D	
180-58894-4	SW-18036-092016-004	Total/NA	Water	SM 2540D	
180-58894-5	SW-18036-092016-005	Total/NA	Water	SM 2540D	
180-58894-7	SW-18036-092016-007	Total/NA	Water	SM 2540D	
180-58894-8	SW-18036-092016-008	Total/NA	Water	SM 2540D	
180-58894-9	SW-18036-092016-009	Total/NA	Water	SM 2540D	
180-58894-10	SW-18036-092016-010	Total/NA	Water	SM 2540D	
180-58894-11	SW-18036-092016-011	Total/NA	Water	SM 2540D	
MB 180-188891/2	Method Blank	Total/NA	Water	SM 2540D	
LCS 180-188891/1	Lab Control Sample	Total/NA	Water	SM 2540D	
180-58894-10 DU	SW-18036-092016-010	Total/NA	Water	SM 2540D	

Analysis Batch: 189187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-6	SW-18036-092016-006	Total/NA	Water	SM 2540D	
MB 180-189187/2	Method Blank	Total/NA	Water	SM 2540D	
LCS 180-189187/1	Lab Control Sample	Total/NA	Water	SM 2540D	
180-59013-C-1 DU	Duplicate	Total/NA	Water	SM 2540D	

Analysis Batch: 189430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-1	SW-18036-092016-001	Total/NA	Water	SM 4500 H+ B	
180-58894-2	SW-18036-092016-002	Total/NA	Water	SM 4500 H+ B	
180-58894-3	SW-18036-092016-003	Total/NA	Water	SM 4500 H+ B	
180-58894-4	SW-18036-092016-004	Total/NA	Water	SM 4500 H+ B	
180-58894-5	SW-18036-092016-005	Total/NA	Water	SM 4500 H+ B	
180-58894-6	SW-18036-092016-006	Total/NA	Water	SM 4500 H+ B	
180-58894-7	SW-18036-092016-007	Total/NA	Water	SM 4500 H+ B	
180-58894-8	SW-18036-092016-008	Total/NA	Water	SM 4500 H+ B	
LCS 180-189430/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
180-58894-1 DU	SW-18036-092016-001	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 189440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-58894-9	SW-18036-092016-009	Total/NA	Water	SM 4500 H+ B	
180-58894-10	SW-18036-092016-010	Total/NA	Water	SM 4500 H+ B	
180-58894-11	SW-18036-092016-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-189440/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
180-58894-10 DU	SW-18036-092016-010	Total/NA	Water	SM 4500 H+ B	



180-58894 Chain of Custody

CHAIN OF CUSTODY RECORD

COC NO.: 53281

address: 2055 Niagara Falls Blvd, Niagara Falls, NY

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

Project No/ Phase/Task Code:

018036

Project Name:

Buffalo Airport Stormwater Quarterly
Buffalo Airport, Cheektowaga, NY

GHD Chemistry Contact:

Sue Srocchi

Sampler(s):

Kevin Lynch

Laboratory Name:

Test America

Lab Contact:

Jill Colussy

Lab Location:

Pittsburgh, PA

SSOW ID:

18036

Cooler No:

1

Project Location:

Carrier: Fedex

Airbill No:

Total # of Containers: 2 Coolers - 78 bottles

COMMENTS/
SPECIAL INSTRUCTIONS:

Test America Project # 18006817

PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code	(see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)	624 VOCs	Metals	TSS	PH	Total Containers/sample	MS/MSD Request	Carrier:	Airbill No:	Total # of Containers:	COMMENTS/ SPECIAL INSTRUCTIONS:	
1	SW-18036-092016-001	9/20/16	0830	NM	G	N		3	1	1		6						
2	SW-18036-092016-002		0905					3	1	1		6						
3	SW-18036-092016-003		0945					3	1	1		6						
4	SW-18036-092016-004		1015		Y	Y		3	1	1		6						
5	SW-18036-092016-005		1030					3	1	1		6						
6	SW-18036-092016-006		1030		Y	Y		3	1	1		6						
7	SW-18036-092016-007		1115		Y	Y		3	1	1		6						
8	SW-18036-092016-008		1145					3	1	1		6						
9	SW-18036-092016-009		1230					3	1	1		6						
10	SW-18036-092016-010		1245					9	3	3		16						
11	SW-18036-092016-011		1336		Y	Y		3	1	1		6						
12	18036-092016-Tripblank	9/20/16	-		-	-		2	-	-		2						

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

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

Notes/ Special Requirements:

Special site list for VOCs & Metals. pH also measured in field

RELINQUISHED BY

[Signature]

COMPANY

GHD

TIME

9/20/16 1430*

RECEIVED BY

Nellie Watson

COMPANY

TAP

TIME

9/21/16 9:00

Distribution:

WHITE - Fully Executed Copy (CRA)

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY
YELLOW - Receiving Laboratory Copy
PINK - Shipper
* Cooler Sealed for shipment via Fedex.

GOLDENROD Sampling Crew

GHD Form: COC-10B (20110804)



Login Sample Receipt Checklist

Client: Brausch Environmental LLC

Job Number: 180-58894-1

Login Number: 58894

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

