TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
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TestAmerica Job ID: 500-135277-1
Client Project/Site: Biotron - 25214158

For:
SCS Engineers
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Madison, Wisconsin 53718

Attn: Mr. Eric Oelkers

Sandie Fredrick

Authorized for release by:
10/17/2017 1:32:59 PM

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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: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Job ID: 500-135277-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-135277-1

Comments
No additional comments.

Receipt
The samples were received on 10/7/2017 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.8º C.

GC/MS VOA
Method(s) 8260B: One or more of the following analytes recovered outside control limits for the LCS associated with batches 404890 and 405437: Vinyl Chloride and Bromomethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method(s) 8260B: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-2R (500-135277-2), MW-1 (500-135277-4), MW-1-FD (500-135277-5), Mars-1 (500-135277-8), Mars-7 (500-135277-9), MW-8 (500-135277-10), MW-11 (500-135277-11), MW-14 (500-135277-12), MW-13 (500-135277-14) and MW-9 (500-135277-15). The samples were analyzed within 7 days per EPA recommendation.

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

GC VOA
Method(s) RSK-175: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-2R (500-135277-2), MW-1 (500-135277-4), MW-1-FD (500-135277-5), MW-11 (500-135277-11), MW-9 (500-135277-15) and MW-10 (500-135277-16).

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

Detection Summary

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-7 — Lab Sample ID: 500-135277-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	17		1.0	0.41	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.70	J	1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	7.3		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	0.62	*	0.50	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-2R — Lab Sample ID: 500-135277-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.0		2.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	7.1		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	3.5		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: PZ-1 — Lab Sample ID: 500-135277-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.7		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	26		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.62	J	1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	46		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 500-135277-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.64	J	1.0	0.39	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.1		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	190		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	9.2	*	0.50	0.20	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	310		10	4.1	ug/L	10		8260B	Total/NA

Client Sample ID: MW-1-FD — Lab Sample ID: 500-135277-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.71	J	1.0	0.39	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.1		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	190		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	9.0	*	0.50	0.20	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	300		10	4.1	ug/L	10		8260B	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 500-135277-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		1.0	0.41	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	7.1		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	1.5		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	42	*	0.50	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-135277-7

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: Mars-1 — Lab Sample ID: 500-135277-8

No Detections.

Client Sample ID: Mars-7 — Lab Sample ID: 500-135277-9

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 500-135277-10

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 500-135277-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.0		2.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 500-135277-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.29	J	0.50	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 500-135277-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.2		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	6.5		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 500-135277-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.58	J	1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 500-135277-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.70	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	14		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 500-135277-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.52	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	21		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: PZ-10 — Lab Sample ID: 500-135277-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	9.9		1.0	0.39	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	5.0		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	110		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	2.0		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-135277-1	MW-7	Water	10/05/17 14:10	10/07/17 10:35
500-135277-2	MW-2R	Water	10/05/17 14:45	10/07/17 10:35
500-135277-3	PZ-1	Water	10/06/17 10:10	10/07/17 10:35
500-135277-4	MW-1	Water	10/06/17 10:30	10/07/17 10:35
500-135277-5	MW-1-FD	Water	10/06/17 10:35	10/07/17 10:35
500-135277-6	MW-6	Water	10/06/17 10:50	10/07/17 10:35
500-135277-7	Trip Blank	Water	10/06/17 00:00	10/07/17 10:35
500-135277-8	Mars-1	Water	10/05/17 09:50	10/07/17 10:35
500-135277-9	Mars-7	Water	10/05/17 10:20	10/07/17 10:35
500-135277-10	MW-8	Water	10/05/17 10:45	10/07/17 10:35
500-135277-11	MW-11	Water	10/05/17 11:05	10/07/17 10:35
500-135277-12	MW-14	Water	10/05/17 11:30	10/07/17 10:35
500-135277-13	MW-12	Water	10/05/17 11:50	10/07/17 10:35
500-135277-14	MW-13	Water	10/05/17 12:15	10/07/17 10:35
500-135277-15	MW-9	Water	10/05/17 12:30	10/07/17 10:35
500-135277-16	MW-10	Water	10/05/17 13:15	10/07/17 10:35
500-135277-17	PZ-10	Water	10/05/17 13:45	10/07/17 10:35

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-7
Date Collected: 10/05/17 14:10
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 00:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 00:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 00:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 00:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 00:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 00:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 00:24	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 00:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 00:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 00:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 00:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 00:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 00:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 00:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 00:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 00:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 00:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 00:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 00:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 00:24	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 00:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 00:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 00:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 00:24	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 00:24	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 00:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 00:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 00:24	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 00:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 00:24	1
cis-1,2-Dichloroethene	**17**		1.0	0.41	ug/L			10/12/17 00:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 00:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 00:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 00:24	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 00:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 00:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 00:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 00:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 00:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 00:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 00:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 00:24	1

Client Sample ID: MW-7

Lab Sample ID: 500-135277-1

Date Collected: 10/05/17 14:10

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 00:24	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 00:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 00:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 00:24	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 00:24	1
trans-1,2-Dichloroethene	**0.70**	**J**	1.0	0.35	ug/L			10/12/17 00:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 00:24	1
Trichloroethene	**7.3**		0.50	0.16	ug/L			10/12/17 00:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 00:24	1
Vinyl chloride	**0.62**	*	0.50	0.20	ug/L			10/12/17 00:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/12/17 00:24*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/12/17 00:24*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*10/12/17 00:24*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 00:24*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 08:37	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 08:37	1

Client Sample ID: MW-2R

Lab Sample ID: 500-135277-2

Date Collected: 10/05/17 14:45

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 00:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 00:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 00:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 00:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 00:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 00:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 00:54	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 00:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 00:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 00:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 00:54	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 00:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 00:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 00:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 00:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 00:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 00:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 00:54	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-2R
Date Collected: 10/05/17 14:45
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 00:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 00:54	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 00:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 00:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 00:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 00:54	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 00:54	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 00:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 00:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 00:54	1
Chloroform	**2.0**		2.0	0.37	ug/L			10/12/17 00:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 00:54	1
cis-1,2-Dichloroethene	**7.1**		1.0	0.41	ug/L			10/12/17 00:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 00:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 00:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 00:54	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 00:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 00:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 00:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 00:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 00:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 00:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 00:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 00:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 00:54	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 00:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 00:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 00:54	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 00:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 00:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 00:54	1
Trichloroethene	**3.5**		0.50	0.16	ug/L			10/12/17 00:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 00:54	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 00:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/12/17 00:54*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/12/17 00:54*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/12/17 00:54*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/12/17 00:54*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 08:55	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 08:55	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: PZ-1
Date Collected: 10/06/17 10:10
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 01:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 01:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 01:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 01:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 01:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 01:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 01:24	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 01:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 01:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 01:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 01:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 01:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 01:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 01:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 01:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 01:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 01:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 01:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 01:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 01:24	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 01:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 01:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 01:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 01:24	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 01:24	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 01:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 01:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 01:24	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 01:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 01:24	1
cis-1,2-Dichloroethene	**4.7**		1.0	0.41	ug/L			10/12/17 01:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 01:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 01:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 01:24	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 01:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 01:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 01:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 01:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 01:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 01:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 01:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 01:24	1

Client Sample ID: PZ-1

Date Collected: 10/06/17 10:10
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 01:24	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 01:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 01:24	1
Tetrachloroethene	**26**		1.0	0.37	ug/L			10/12/17 01:24	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 01:24	1
trans-1,2-Dichloroethene	**0.62**	**J**	1.0	0.35	ug/L			10/12/17 01:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 01:24	1
Trichloroethene	**46**		0.50	0.16	ug/L			10/12/17 01:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 01:24	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 01:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*10/12/17 01:24*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*10/12/17 01:24*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/12/17 01:24*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*10/12/17 01:24*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 09:13	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 09:13	1

Client Sample ID: MW-1

Date Collected: 10/06/17 10:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 01:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 01:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 01:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 01:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 01:53	1
1,1-Dichloroethene	**0.64**	**J**	1.0	0.39	ug/L			10/12/17 01:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 01:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 01:53	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 01:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 01:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 01:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 01:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 01:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 01:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 01:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 01:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 01:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 01:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 01:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 01:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 01:53	1

Client Sample ID: MW-1
Date Collected: 10/06/17 10:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 01:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 01:53	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 01:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 01:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 01:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 01:53	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 01:53	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 01:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 01:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 01:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 01:53	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 01:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 01:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 01:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 01:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 01:53	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 01:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 01:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 01:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 01:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 01:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 01:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 01:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 01:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 01:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 01:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 01:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 01:53	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 01:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 01:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 01:53	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 01:53	1
trans-1,2-Dichloroethene	**3.1**		1.0	0.35	ug/L			10/12/17 01:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 01:53	1
Trichloroethene	**190**		0.50	0.16	ug/L			10/12/17 01:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 01:53	1
Vinyl chloride	**9.2**	*	0.50	0.20	ug/L			10/12/17 01:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/12/17 01:53*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/12/17 01:53*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*10/12/17 01:53*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 01:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**310**		10	4.1	ug/L			10/12/17 02:23	10

Client Sample ID: MW-1

Date Collected: 10/06/17 10:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/12/17 02:23*	*10*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/12/17 02:23*	*10*
Dibromofluoromethane	*104*		*75 - 120*		*10/12/17 02:23*	*10*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 02:23*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 09:30	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 09:30	1

Client Sample ID: MW-1-FD

Date Collected: 10/06/17 10:35
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 02:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 02:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 02:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 02:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 02:52	1
1,1-Dichloroethene	**0.71**	**J**	1.0	0.39	ug/L			10/12/17 02:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 02:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 02:52	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 02:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 02:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 02:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 02:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 02:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 02:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 02:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 02:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 02:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 02:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 02:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 02:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 02:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 02:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 02:52	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 02:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 02:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 02:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 02:52	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 02:52	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 02:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 02:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 02:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 02:52	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 02:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 02:52	1

Client Sample ID: MW-1-FD
Date Collected: 10/06/17 10:35
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 02:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 02:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 02:52	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 02:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 02:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 02:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 02:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 02:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 02:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 02:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 02:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 02:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 02:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 02:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 02:52	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 02:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 02:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 02:52	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 02:52	1
trans-1,2-Dichloroethene	**3.1**		1.0	0.35	ug/L			10/12/17 02:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 02:52	1
Trichloroethene	**190**		0.50	0.16	ug/L			10/12/17 02:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 02:52	1
Vinyl chloride	**9.0**	*	0.50	0.20	ug/L			10/12/17 02:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/12/17 02:52*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/12/17 02:52*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*10/12/17 02:52*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*10/12/17 02:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**300**		10	4.1	ug/L			10/12/17 03:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/12/17 03:22*	*10*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/12/17 03:22*	*10*
Dibromofluoromethane	*102*		*75 - 120*		*10/12/17 03:22*	*10*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 03:22*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 09:48	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 09:48	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-6
Date Collected: 10/06/17 10:50
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 03:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 03:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 03:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 03:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 03:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 03:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 03:52	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 03:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 03:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 03:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 03:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 03:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 03:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 03:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 03:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 03:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 03:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 03:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 03:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 03:52	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 03:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 03:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 03:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 03:52	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 03:52	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 03:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 03:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 03:52	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 03:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 03:52	1
cis-1,2-Dichloroethene	**140**		1.0	0.41	ug/L			10/12/17 03:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 03:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 03:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 03:52	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 03:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 03:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 03:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 03:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 03:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 03:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 03:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 03:52	1

Client Sample ID: MW-6

Lab Sample ID: 500-135277-6

Date Collected: 10/06/17 10:50

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 03:52	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 03:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 03:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 03:52	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 03:52	1
trans-1,2-Dichloroethene	**7.1**		1.0	0.35	ug/L			10/12/17 03:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 03:52	1
Trichloroethene	**1.5**		0.50	0.16	ug/L			10/12/17 03:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 03:52	1
Vinyl chloride	**42**	*	0.50	0.20	ug/L			10/12/17 03:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/12/17 03:52*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/12/17 03:52*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*10/12/17 03:52*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/12/17 03:52*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 10:05	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 10:05	1

Client Sample ID: Trip Blank

Lab Sample ID: 500-135277-7

Date Collected: 10/06/17 00:00

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 04:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 04:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 04:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 04:51	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 04:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 04:51	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 04:51	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 04:51	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 04:51	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 04:51	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 04:51	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 04:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 04:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 04:51	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 04:51	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 04:51	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 04:51	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 04:51	1

Client Sample ID: Trip Blank

Date Collected: 10/06/17 00:00
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 04:51	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 04:51	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 04:51	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 04:51	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 04:51	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 04:51	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 04:51	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 04:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 04:51	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 04:51	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 04:51	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 04:51	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/12/17 04:51	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 04:51	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 04:51	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 04:51	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 04:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 04:51	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 04:51	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 04:51	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 04:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 04:51	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 04:51	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 04:51	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 04:51	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 04:51	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 04:51	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 04:51	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 04:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 04:51	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 04:51	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 04:51	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 04:51	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 04:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 04:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/12/17 04:51*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/12/17 04:51*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/12/17 04:51*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/12/17 04:51*	*1*

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: Mars-1
Date Collected: 10/05/17 09:50
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 05:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 05:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 05:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 05:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 05:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 05:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 05:21	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 05:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 05:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 05:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 05:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 05:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 05:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 05:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 05:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 05:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 05:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 05:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 05:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 05:21	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 05:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 05:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 05:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 05:21	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 05:21	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 05:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 05:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 05:21	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 05:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 05:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/12/17 05:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 05:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 05:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 05:21	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 05:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 05:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 05:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 05:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 05:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 05:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 05:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 05:21	1

Client Sample ID: Mars-1

Lab Sample ID: 500-135277-8

Date Collected: 10/05/17 09:50

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 05:21	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 05:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 05:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 05:21	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 05:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 05:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 05:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 05:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 05:21	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 05:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/12/17 05:21*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/12/17 05:21*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/12/17 05:21*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 05:21*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 10:23	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 10:23	1

Client Sample ID: Mars-7

Lab Sample ID: 500-135277-9

Date Collected: 10/05/17 10:20

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 05:50	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 05:50	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 05:50	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 05:50	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 05:50	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 05:50	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 05:50	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 05:50	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 05:50	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 05:50	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 05:50	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 05:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 05:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 05:50	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 05:50	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 05:50	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 05:50	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 05:50	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: Mars-7
Date Collected: 10/05/17 10:20
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 05:50	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 05:50	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 05:50	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 05:50	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 05:50	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 05:50	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 05:50	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 05:50	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 05:50	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 05:50	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 05:50	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 05:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/12/17 05:50	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 05:50	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 05:50	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 05:50	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 05:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 05:50	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 05:50	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 05:50	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 05:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 05:50	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 05:50	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 05:50	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 05:50	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 05:50	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 05:50	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 05:50	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 05:50	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 05:50	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 05:50	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 05:50	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 05:50	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 05:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/12/17 05:50*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/12/17 05:50*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*10/12/17 05:50*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 05:50*	*1*

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-8
Date Collected: 10/05/17 10:45
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 06:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 06:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 06:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 06:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 06:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 06:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 06:20	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 06:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 06:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 06:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 06:20	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 06:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 06:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 06:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 06:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 06:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 06:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 06:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 06:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 06:20	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 06:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 06:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 06:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 06:20	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 06:20	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 06:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 06:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 06:20	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 06:20	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 06:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/12/17 06:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 06:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 06:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 06:20	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 06:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 06:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 06:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 06:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 06:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 06:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 06:20	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 06:20	1

Client Sample ID: MW-8

Lab Sample ID: 500-135277-10

Date Collected: 10/05/17 10:45

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 06:20	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 06:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 06:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 06:20	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 06:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 06:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 06:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 06:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 06:20	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 06:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/12/17 06:20*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/12/17 06:20*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*10/12/17 06:20*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 06:20*	*1*

Client Sample ID: MW-11

Lab Sample ID: 500-135277-11

Date Collected: 10/05/17 11:05

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 06:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 06:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 06:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 06:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 06:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 06:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 06:49	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 06:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 06:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 06:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 06:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 06:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 06:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 06:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 06:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 06:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 06:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 06:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 06:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 06:49	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 06:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 06:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 06:49	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-11
Date Collected: 10/05/17 11:05
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 06:49	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 06:49	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 06:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 06:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 06:49	1
Chloroform	**2.0**		2.0	0.37	ug/L			10/12/17 06:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 06:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/12/17 06:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 06:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 06:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 06:49	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 06:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 06:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 06:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 06:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 06:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 06:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 06:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 06:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 06:49	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 06:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 06:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 06:49	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 06:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 06:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 06:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 06:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 06:49	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 06:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/12/17 06:49*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/12/17 06:49*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*10/12/17 06:49*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/12/17 06:49*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 10:40	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 10:40	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-14
Date Collected: 10/05/17 11:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 07:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 07:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 07:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 07:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 07:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 07:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 07:19	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 07:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 07:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 07:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 07:19	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 07:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 07:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 07:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 07:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 07:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 07:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 07:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 07:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 07:19	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 07:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 07:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 07:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 07:19	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 07:19	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 07:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 07:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 07:19	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 07:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 07:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/12/17 07:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 07:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 07:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 07:19	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 07:19	1
Ethylbenzene	**0.29**	**J**	0.50	0.18	ug/L			10/12/17 07:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 07:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 07:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 07:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 07:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 07:19	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 07:19	1

Client Sample ID: MW-14

Lab Sample ID: 500-135277-12

Date Collected: 10/05/17 11:30

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 07:19	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 07:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 07:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 07:19	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 07:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 07:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 07:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 07:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 07:19	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 07:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/12/17 07:19*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*10/12/17 07:19*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*10/12/17 07:19*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/12/17 07:19*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 10:58	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 10:58	1

Client Sample ID: MW-12

Lab Sample ID: 500-135277-13

Date Collected: 10/05/17 11:50

Matrix: Water

Date Received: 10/07/17 10:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 07:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 07:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 07:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 07:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 07:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 07:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 07:48	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 07:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 07:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 07:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 07:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 07:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 07:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 07:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 07:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 07:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 07:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 07:48	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-12
Date Collected: 10/05/17 11:50
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 07:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 07:48	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 07:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 07:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 07:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 07:48	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 07:48	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 07:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 07:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 07:48	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 07:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 07:48	1
cis-1,2-Dichloroethene	**3.2**		1.0	0.41	ug/L			10/12/17 07:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 07:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 07:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 07:48	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 07:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 07:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 07:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 07:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 07:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 07:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 07:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 07:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 07:48	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 07:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 07:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 07:48	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 07:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 07:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 07:48	1
Trichloroethene	**6.5**		0.50	0.16	ug/L			10/12/17 07:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 07:48	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 07:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/12/17 07:48*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*10/12/17 07:48*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*10/12/17 07:48*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/12/17 07:48*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 11:15	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 11:15	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-13
Date Collected: 10/05/17 12:15
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 08:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 08:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 08:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 08:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 08:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 08:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 08:18	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 08:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 08:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 08:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 08:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 08:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 08:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 08:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 08:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 08:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 08:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 08:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 08:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 08:18	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 08:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 08:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 08:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 08:18	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 08:18	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/12/17 08:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 08:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 08:18	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 08:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 08:18	1
cis-1,2-Dichloroethene	**0.58**	**J**	1.0	0.41	ug/L			10/12/17 08:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 08:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 08:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 08:18	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 08:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 08:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 08:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 08:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 08:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 08:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 08:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 08:18	1

Client Sample ID: MW-13

Date Collected: 10/05/17 12:15
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 08:18	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 08:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 08:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/12/17 08:18	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 08:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 08:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 08:18	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 08:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 08:18	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 08:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/12/17 08:18*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/12/17 08:18*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/12/17 08:18*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/12/17 08:18*	*1*

Client Sample ID: MW-9

Date Collected: 10/05/17 12:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/12/17 08:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/12/17 08:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/12/17 08:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/12/17 08:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/12/17 08:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/12/17 08:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/12/17 08:48	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/12/17 08:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/12/17 08:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/12/17 08:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/12/17 08:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/12/17 08:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/12/17 08:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/12/17 08:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/12/17 08:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/12/17 08:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/12/17 08:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/12/17 08:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/12/17 08:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/12/17 08:48	1
Benzene	<0.15		0.50	0.15	ug/L			10/12/17 08:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/12/17 08:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/12/17 08:48	1

Client Sample ID: MW-9
Date Collected: 10/05/17 12:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/12/17 08:48	1
Bromoform	<0.48		1.0	0.48	ug/L			10/12/17 08:48	1
Bromomethane	<0.80	* F1	2.0	0.80	ug/L			10/12/17 08:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/12/17 08:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/12/17 08:48	1
Chloroform	<0.37		2.0	0.37	ug/L			10/12/17 08:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/12/17 08:48	1
cis-1,2-Dichloroethene	**0.70**	**J**	1.0	0.41	ug/L			10/12/17 08:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/12/17 08:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/12/17 08:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/12/17 08:48	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/12/17 08:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/12/17 08:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/12/17 08:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/12/17 08:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/12/17 08:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/12/17 08:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/12/17 08:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/12/17 08:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 08:48	1
Styrene	<0.39		1.0	0.39	ug/L			10/12/17 08:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/12/17 08:48	1
Tetrachloroethene	**14**		1.0	0.37	ug/L			10/12/17 08:48	1
Toluene	<0.15		0.50	0.15	ug/L			10/12/17 08:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/12/17 08:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/12/17 08:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/12/17 08:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/12/17 08:48	1
Vinyl chloride	<0.20	*	0.50	0.20	ug/L			10/12/17 08:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/12/17 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/12/17 08:48*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/12/17 08:48*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/12/17 08:48*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/12/17 08:48*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 11:33	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 11:33	1

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-10
Date Collected: 10/05/17 13:15
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/16/17 16:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/17 16:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/17 16:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/17 16:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/17 16:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/17 16:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/17 16:22	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/16/17 16:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/17 16:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/17 16:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/17 16:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/17 16:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/17 16:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/17 16:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/17 16:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/17 16:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/17 16:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/17 16:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/17 16:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/17 16:22	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/17 16:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/17 16:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/17 16:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/17 16:22	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/17 16:22	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/16/17 16:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/17 16:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/17 16:22	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/17 16:22	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/17 16:22	1
cis-1,2-Dichloroethene	**0.52**	**J**	1.0	0.41	ug/L			10/16/17 16:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/17 16:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/17 16:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/17 16:22	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/16/17 16:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/17 16:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/17 16:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/17 16:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/17 16:22	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/17 16:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/17 16:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/17 16:22	1

Client Sample ID: MW-10

Date Collected: 10/05/17 13:15
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/17 16:22	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/17 16:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/17 16:22	1
Tetrachloroethene	**21**		1.0	0.37	ug/L			10/16/17 16:22	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/17 16:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/17 16:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/17 16:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/17 16:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/17 16:22	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			10/16/17 16:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/17 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/16/17 16:22*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*10/16/17 16:22*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/16/17 16:22*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/16/17 16:22*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 11:50	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 11:50	1

Client Sample ID: PZ-10

Date Collected: 10/05/17 13:45
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/16/17 16:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/17 16:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/17 16:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/17 16:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/17 16:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/17 16:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/17 16:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/17 16:52	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/16/17 16:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/17 16:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/17 16:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/17 16:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/17 16:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/17 16:52	1
1,2-Dichloroethane	**9.9**		1.0	0.39	ug/L			10/16/17 16:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/17 16:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/17 16:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/17 16:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/17 16:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/17 16:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/17 16:52	1

Client Sample ID: PZ-10
Date Collected: 10/05/17 13:45
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/17 16:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/17 16:52	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/17 16:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/17 16:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/17 16:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/17 16:52	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/17 16:52	1
Bromomethane	<0.80	*	2.0	0.80	ug/L			10/16/17 16:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/17 16:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/17 16:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/17 16:52	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/17 16:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/17 16:52	1
cis-1,2-Dichloroethene	**5.0**		1.0	0.41	ug/L			10/16/17 16:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/17 16:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/17 16:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/17 16:52	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/16/17 16:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/17 16:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/17 16:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/17 16:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/17 16:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/17 16:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/17 16:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/17 16:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/17 16:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/17 16:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/17 16:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/17 16:52	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/17 16:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/17 16:52	1
Tetrachloroethene	**110**		1.0	0.37	ug/L			10/16/17 16:52	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/17 16:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/17 16:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/17 16:52	1
Trichloroethene	**2.0**		0.50	0.16	ug/L			10/16/17 16:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/17 16:52	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			10/16/17 16:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/17 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/16/17 16:52*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*10/16/17 16:52*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/16/17 16:52*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*10/16/17 16:52*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 12:08	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 12:08	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	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.
F1	MS and/or MSD Recovery is outside acceptance limits.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

GC/MS VOA

Analysis Batch: 404890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-135277-1	MW-7	Total/NA	Water	8260B	
500-135277-2	MW-2R	Total/NA	Water	8260B	
500-135277-3	PZ-1	Total/NA	Water	8260B	
500-135277-4	MW-1	Total/NA	Water	8260B	
500-135277-4 - DL	MW-1	Total/NA	Water	8260B	
500-135277-5	MW-1-FD	Total/NA	Water	8260B	
500-135277-5 - DL	MW-1-FD	Total/NA	Water	8260B	
500-135277-6	MW-6	Total/NA	Water	8260B	
500-135277-7	Trip Blank	Total/NA	Water	8260B	
500-135277-8	Mars-1	Total/NA	Water	8260B	
500-135277-9	Mars-7	Total/NA	Water	8260B	
500-135277-10	MW-8	Total/NA	Water	8260B	
500-135277-11	MW-11	Total/NA	Water	8260B	
500-135277-12	MW-14	Total/NA	Water	8260B	
500-135277-13	MW-12	Total/NA	Water	8260B	
500-135277-14	MW-13	Total/NA	Water	8260B	
500-135277-15	MW-9	Total/NA	Water	8260B	
MB 500-404890/6	Method Blank	Total/NA	Water	8260B	
LCS 500-404890/4	Lab Control Sample	Total/NA	Water	8260B	
500-135277-15 MS	MW-9	Total/NA	Water	8260B	
500-135277-15 MSD	MW-9	Total/NA	Water	8260B	

Analysis Batch: 405437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-135277-16	MW-10	Total/NA	Water	8260B	
500-135277-17	PZ-10	Total/NA	Water	8260B	
MB 500-405437/6	Method Blank	Total/NA	Water	8260B	
LCS 500-405437/4	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 381203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-135277-1	MW-7	Total/NA	Water	RSK-175	
500-135277-2	MW-2R	Total/NA	Water	RSK-175	
500-135277-3	PZ-1	Total/NA	Water	RSK-175	
500-135277-4	MW-1	Total/NA	Water	RSK-175	
500-135277-5	MW-1-FD	Total/NA	Water	RSK-175	
500-135277-6	MW-6	Total/NA	Water	RSK-175	
500-135277-8	Mars-1	Total/NA	Water	RSK-175	
500-135277-11	MW-11	Total/NA	Water	RSK-175	
500-135277-12	MW-14	Total/NA	Water	RSK-175	
500-135277-13	MW-12	Total/NA	Water	RSK-175	
500-135277-15	MW-9	Total/NA	Water	RSK-175	
500-135277-16	MW-10	Total/NA	Water	RSK-175	
500-135277-17	PZ-10	Total/NA	Water	RSK-175	
MB 480-381203/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-381203/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-381203/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Surrogate Summary

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-135277-1	MW-7	92	91	102	90
500-135277-2	MW-2R	93	93	105	89
500-135277-3	PZ-1	90	94	101	91
500-135277-4	MW-1	93	92	103	90
500-135277-4 - DL	MW-1	93	93	104	90
500-135277-5	MW-1-FD	92	92	103	91
500-135277-5 - DL	MW-1-FD	92	92	102	90
500-135277-6	MW-6	93	92	104	89
500-135277-7	Trip Blank	95	91	105	89
500-135277-8	Mars-1	94	92	105	90
500-135277-9	Mars-7	95	93	104	90
500-135277-10	MW-8	94	91	104	90
500-135277-11	MW-11	95	93	106	89
500-135277-12	MW-14	94	90	104	89
500-135277-13	MW-12	94	90	106	90
500-135277-14	MW-13	97	91	107	89
500-135277-15	MW-9	97	91	107	89
500-135277-15 MS	MW-9	94	91	102	91
500-135277-15 MSD	MW-9	91	91	101	91
500-135277-16	MW-10	95	88	105	90
500-135277-17	PZ-10	95	88	107	89
LCS 500-404890/4	Lab Control Sample	89	91	100	90
LCS 500-405437/4	Lab Control Sample	88	90	100	95
MB 500-404890/6	Method Blank	93	90	105	90
MB 500-405437/6	Method Blank	91	91	103	93

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-404890/6
Matrix: Water
Analysis Batch: 404890

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/11/17 23:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/11/17 23:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/11/17 23:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/11/17 23:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/11/17 23:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/11/17 23:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/11/17 23:55	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/11/17 23:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/11/17 23:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/11/17 23:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/11/17 23:55	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/11/17 23:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/11/17 23:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/11/17 23:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/11/17 23:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/11/17 23:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/11/17 23:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/11/17 23:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/11/17 23:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/11/17 23:55	1
Benzene	<0.15		0.50	0.15	ug/L			10/11/17 23:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/11/17 23:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/11/17 23:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/11/17 23:55	1
Bromoform	<0.48		1.0	0.48	ug/L			10/11/17 23:55	1
Bromomethane	<0.80		2.0	0.80	ug/L			10/11/17 23:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/11/17 23:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/11/17 23:55	1
Chloroform	<0.37		2.0	0.37	ug/L			10/11/17 23:55	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/11/17 23:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/11/17 23:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/11/17 23:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/11/17 23:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/11/17 23:55	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/11/17 23:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/11/17 23:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/11/17 23:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/11/17 23:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/11/17 23:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/11/17 23:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/11/17 23:55	1

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

Lab Sample ID: MB 500-404890/6
Matrix: Water
Analysis Batch: 404890

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/11/17 23:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/11/17 23:55	1
Styrene	<0.39		1.0	0.39	ug/L			10/11/17 23:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/11/17 23:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/11/17 23:55	1
Toluene	<0.15		0.50	0.15	ug/L			10/11/17 23:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/11/17 23:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/11/17 23:55	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/11/17 23:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/11/17 23:55	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			10/11/17 23:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/11/17 23:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/11/17 23:55*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*10/11/17 23:55*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/11/17 23:55*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*10/11/17 23:55*	*1*

Lab Sample ID: LCS 500-404890/4
Matrix: Water
Analysis Batch: 404890

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	50.0	53.8		ug/L		108	70 - 125
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.4		ug/L		95	67 - 127
1,1,2-Trichloroethane	50.0	51.2		ug/L		102	70 - 122
1,1-Dichloroethane	50.0	51.1		ug/L		102	70 - 125
1,1-Dichloroethene	50.0	52.6		ug/L		105	67 - 122
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 121
1,2,3-Trichlorobenzene	50.0	49.5		ug/L		99	55 - 140
1,2,3-Trichloropropane	50.0	43.7		ug/L		87	50 - 133
1,2,4-Trichlorobenzene	50.0	46.6		ug/L		93	66 - 127
1,2,4-Trimethylbenzene	50.0	50.6		ug/L		101	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	56 - 123
1,2-Dibromoethane	50.0	51.1		ug/L		102	70 - 125
1,2-Dichlorobenzene	50.0	53.8		ug/L		108	70 - 125
1,2-Dichloroethane	50.0	47.5		ug/L		95	68 - 127
1,2-Dichloropropane	50.0	53.0		ug/L		106	67 - 130
1,3,5-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 123
1,3-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 125
1,3-Dichloropropane	50.0	48.8		ug/L		98	62 - 136
1,4-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 120
2,2-Dichloropropane	50.0	43.0		ug/L		86	58 - 129
2-Chlorotoluene	50.0	49.4		ug/L		99	70 - 125
4-Chlorotoluene	50.0	48.6		ug/L		97	68 - 124
Benzene	50.0	50.9		ug/L		102	70 - 120

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

Lab Sample ID: LCS 500-404890/4
Matrix: Water
Analysis Batch: 404890

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	53.7		ug/L		107	70 - 122
Bromochloromethane	50.0	55.6		ug/L		111	65 - 122
Bromodichloromethane	50.0	51.9		ug/L		104	69 - 120
Bromoform	50.0	54.6		ug/L		109	56 - 132
Bromomethane	50.0	65.7	*	ug/L		131	40 - 130
Carbon tetrachloride	50.0	51.2		ug/L		102	65 - 122
Chlorobenzene	50.0	51.4		ug/L		103	70 - 120
Chloroethane	50.0	52.6		ug/L		105	45 - 127
Chloroform	50.0	50.2		ug/L		100	70 - 120
Chloromethane	50.0	50.2		ug/L		100	54 - 147
cis-1,2-Dichloroethene	50.0	53.2		ug/L		106	70 - 125
cis-1,3-Dichloropropene	50.0	43.4		ug/L		87	64 - 127
Dibromochloromethane	50.0	53.1		ug/L		106	68 - 125
Dibromomethane	50.0	53.4		ug/L		107	70 - 120
Dichlorodifluoromethane	50.0	58.0		ug/L		116	40 - 150
Ethylbenzene	50.0	50.0		ug/L		100	70 - 120
Hexachlorobutadiene	50.0	53.8		ug/L		108	51 - 150
Isopropylbenzene	50.0	51.4		ug/L		103	70 - 126
Methyl tert-butyl ether	50.0	40.4		ug/L		81	70 - 120
Methylene Chloride	50.0	49.9		ug/L		100	69 - 125
Naphthalene	50.0	49.0		ug/L		98	59 - 130
n-Butylbenzene	50.0	47.9		ug/L		96	68 - 125
N-Propylbenzene	50.0	49.1		ug/L		98	69 - 127
p-Isopropyltoluene	50.0	51.5		ug/L		103	70 - 125
sec-Butylbenzene	50.0	51.0		ug/L		102	70 - 123
Styrene	50.0	52.2		ug/L		104	70 - 120
tert-Butylbenzene	50.0	51.9		ug/L		104	70 - 121
Tetrachloroethene	50.0	52.0		ug/L		104	70 - 128
Toluene	50.0	47.5		ug/L		95	70 - 125
trans-1,2-Dichloroethene	50.0	53.2		ug/L		106	70 - 125
trans-1,3-Dichloropropene	50.0	44.0		ug/L		88	62 - 128
Trichloroethene	50.0	55.9		ug/L		112	70 - 125
Trichlorofluoromethane	50.0	56.6		ug/L		113	70 - 126
Vinyl chloride	50.0	64.4	*	ug/L		129	64 - 126
Xylenes, Total	100	95.2		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
Toluene-d8 (Surr)	*90*		*75 - 120*

Lab Sample ID: 500-135277-15 MS
Matrix: Water
Analysis Batch: 404890

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	54.7		ug/L		109	70 - 125

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

Lab Sample ID: 500-135277-15 MS
Matrix: Water
Analysis Batch: 404890

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.38		50.0	49.4		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	51.8		ug/L		104	67 - 127
1,1,2-Trichloroethane	<0.35		50.0	53.1		ug/L		106	70 - 122
1,1-Dichloroethane	<0.41		50.0	49.6		ug/L		99	70 - 125
1,1-Dichloroethene	<0.39		50.0	49.7		ug/L		99	67 - 122
1,1-Dichloropropene	<0.30		50.0	48.3		ug/L		97	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	47.8		ug/L		96	55 - 140
1,2,3-Trichloropropane	<0.41		50.0	44.1		ug/L		88	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	43.3		ug/L		87	66 - 127
1,2,4-Trimethylbenzene	<0.36		50.0	50.8		ug/L		102	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	43.4		ug/L		87	56 - 123
1,2-Dibromoethane	<0.39		50.0	53.7		ug/L		107	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	55.5		ug/L		111	70 - 125
1,2-Dichloroethane	<0.39		50.0	48.6		ug/L		97	68 - 127
1,2-Dichloropropane	<0.43		50.0	53.0		ug/L		106	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	50.8		ug/L		102	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	54.0		ug/L		108	70 - 125
1,3-Dichloropropane	<0.36		50.0	49.6		ug/L		99	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	53.8		ug/L		108	70 - 120
2,2-Dichloropropane	<0.44		50.0	39.6		ug/L		79	58 - 129
2-Chlorotoluene	<0.31		50.0	50.0		ug/L		100	70 - 125
4-Chlorotoluene	<0.35		50.0	49.0		ug/L		98	68 - 124
Benzene	<0.15		50.0	49.6		ug/L		99	70 - 120
Bromobenzene	<0.36		50.0	55.3		ug/L		111	70 - 122
Bromochloromethane	<0.43		50.0	56.6		ug/L		113	65 - 122
Bromodichloromethane	<0.37		50.0	51.9		ug/L		104	69 - 120
Bromoform	<0.48		50.0	56.6		ug/L		113	56 - 132
Bromomethane	<0.80	* F1	50.0	73.5	F1	ug/L		147	40 - 130
Carbon tetrachloride	<0.38		50.0	52.2		ug/L		104	65 - 122
Chlorobenzene	<0.39		50.0	51.1		ug/L		102	70 - 120
Chloroethane	<0.51		50.0	48.5		ug/L		97	45 - 127
Chloroform	<0.37		50.0	49.9		ug/L		100	70 - 120
Chloromethane	<0.32		50.0	36.9		ug/L		74	54 - 147
cis-1,2-Dichloroethene	0.70	J	50.0	52.2		ug/L		103	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	42.5		ug/L		85	64 - 127
Dibromochloromethane	<0.49		50.0	54.6		ug/L		109	68 - 125
Dibromomethane	<0.27		50.0	53.9		ug/L		108	70 - 120
Dichlorodifluoromethane	<0.67		50.0	49.8		ug/L		100	40 - 150
Ethylbenzene	<0.18		50.0	49.1		ug/L		98	70 - 120
Hexachlorobutadiene	<0.45		50.0	52.7		ug/L		105	51 - 150
Isopropylbenzene	<0.39		50.0	51.9		ug/L		104	70 - 126
Methyl tert-butyl ether	<0.39		50.0	38.2		ug/L		76	70 - 120
Methylene Chloride	<1.6		50.0	47.7		ug/L		95	69 - 125
Naphthalene	<0.34		50.0	46.2		ug/L		92	59 - 130
n-Butylbenzene	<0.39		50.0	46.5		ug/L		93	68 - 125
N-Propylbenzene	<0.41		50.0	49.4		ug/L		99	69 - 127
p-Isopropyltoluene	<0.36		50.0	52.8		ug/L		106	70 - 125
sec-Butylbenzene	<0.40		50.0	51.5		ug/L		103	70 - 123

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

Lab Sample ID: 500-135277-15 MS
Matrix: Water
Analysis Batch: 404890

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	<0.39		50.0	51.8		ug/L		104	70 - 120
tert-Butylbenzene	<0.40		50.0	51.5		ug/L		103	70 - 121
Tetrachloroethene	14		50.0	65.6		ug/L		103	70 - 128
Toluene	<0.15		50.0	46.9		ug/L		94	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	51.0		ug/L		102	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	43.2		ug/L		86	62 - 128
Trichloroethene	<0.16		50.0	56.2		ug/L		112	70 - 125
Trichlorofluoromethane	<0.43		50.0	50.0		ug/L		100	70 - 126
Vinyl chloride	<0.20	*	50.0	53.7		ug/L		107	64 - 126
Xylenes, Total	<0.22		100	94.7		ug/L		95	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Sample ID: 500-135277-15 MSD
Matrix: Water
Analysis Batch: 404890

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	53.1		ug/L		106	70 - 125	3	20
1,1,1-Trichloroethane	<0.38		50.0	48.3		ug/L		97	70 - 125	2	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	49.5		ug/L		99	67 - 127	5	20
1,1,2-Trichloroethane	<0.35		50.0	51.2		ug/L		102	70 - 122	4	20
1,1-Dichloroethane	<0.41		50.0	49.0		ug/L		98	70 - 125	1	20
1,1-Dichloroethene	<0.39		50.0	49.3		ug/L		99	67 - 122	1	20
1,1-Dichloropropene	<0.30		50.0	47.2		ug/L		94	70 - 121	2	20
1,2,3-Trichlorobenzene	<0.46		50.0	48.6		ug/L		97	55 - 140	2	20
1,2,3-Trichloropropane	<0.41		50.0	43.7		ug/L		87	50 - 133	1	20
1,2,4-Trichlorobenzene	<0.34		50.0	44.3		ug/L		89	66 - 127	2	20
1,2,4-Trimethylbenzene	<0.36		50.0	50.7		ug/L		101	70 - 123	0	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	40.1		ug/L		80	56 - 123	8	20
1,2-Dibromoethane	<0.39		50.0	51.4		ug/L		103	70 - 125	4	20
1,2-Dichlorobenzene	<0.33		50.0	54.3		ug/L		109	70 - 125	2	20
1,2-Dichloroethane	<0.39		50.0	47.2		ug/L		94	68 - 127	3	20
1,2-Dichloropropane	<0.43		50.0	51.5		ug/L		103	67 - 130	3	20
1,3,5-Trimethylbenzene	<0.25		50.0	49.8		ug/L		100	70 - 123	2	20
1,3-Dichlorobenzene	<0.40		50.0	53.4		ug/L		107	70 - 125	1	20
1,3-Dichloropropane	<0.36		50.0	48.5		ug/L		97	62 - 136	2	20
1,4-Dichlorobenzene	<0.36		50.0	53.6		ug/L		107	70 - 120	0	20
2,2-Dichloropropane	<0.44		50.0	38.8		ug/L		78	58 - 129	2	20
2-Chlorotoluene	<0.31		50.0	49.4		ug/L		99	70 - 125	1	20
4-Chlorotoluene	<0.35		50.0	48.4		ug/L		97	68 - 124	1	20
Benzene	<0.15		50.0	48.3		ug/L		97	70 - 120	3	20
Bromobenzene	<0.36		50.0	54.3		ug/L		109	70 - 122	2	20
Bromochloromethane	<0.43		50.0	54.6		ug/L		109	65 - 122	4	20

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

Lab Sample ID: 500-135277-15 MSD
Matrix: Water
Analysis Batch: 404890

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	<0.37		50.0	49.9		ug/L		100	69 - 120	4	20
Bromoform	<0.48		50.0	55.0		ug/L		110	56 - 132	3	20
Bromomethane	<0.80	* F1	50.0	76.5	F1	ug/L		153	40 - 130	4	20
Carbon tetrachloride	<0.38		50.0	50.6		ug/L		101	65 - 122	3	20
Chlorobenzene	<0.39		50.0	50.4		ug/L		101	70 - 120	1	20
Chloroethane	<0.51		50.0	49.6		ug/L		99	45 - 127	2	20
Chloroform	<0.37		50.0	48.5		ug/L		97	70 - 120	3	20
Chloromethane	<0.32		50.0	40.5		ug/L		81	54 - 147	9	20
cis-1,2-Dichloroethene	0.70	J	50.0	51.6		ug/L		102	70 - 125	1	20
cis-1,3-Dichloropropene	<0.42		50.0	42.0		ug/L		84	64 - 127	1	20
Dibromochloromethane	<0.49		50.0	54.5		ug/L		109	68 - 125	0	20
Dibromomethane	<0.27		50.0	51.2		ug/L		102	70 - 120	5	20
Dichlorodifluoromethane	<0.67		50.0	51.0		ug/L		102	40 - 150	2	20
Ethylbenzene	<0.18		50.0	48.8		ug/L		98	70 - 120	0	20
Hexachlorobutadiene	<0.45		50.0	52.9		ug/L		106	51 - 150	0	20
Isopropylbenzene	<0.39		50.0	51.4		ug/L		103	70 - 126	1	20
Methyl tert-butyl ether	<0.39		50.0	37.8		ug/L		76	70 - 120	1	20
Methylene Chloride	<1.6		50.0	46.3		ug/L		93	69 - 125	3	20
Naphthalene	<0.34		50.0	46.3		ug/L		93	59 - 130	0	20
n-Butylbenzene	<0.39		50.0	46.2		ug/L		92	68 - 125	1	20
N-Propylbenzene	<0.41		50.0	49.2		ug/L		98	69 - 127	1	20
p-Isopropyltoluene	<0.36		50.0	52.1		ug/L		104	70 - 125	1	20
sec-Butylbenzene	<0.40		50.0	50.6		ug/L		101	70 - 123	2	20
Styrene	<0.39		50.0	50.6		ug/L		101	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	51.0		ug/L		102	70 - 121	1	20
Tetrachloroethene	14		50.0	65.3		ug/L		102	70 - 128	1	20
Toluene	<0.15		50.0	46.1		ug/L		92	70 - 125	2	20
trans-1,2-Dichloroethene	<0.35		50.0	50.4		ug/L		101	70 - 125	1	20
trans-1,3-Dichloropropene	<0.36		50.0	42.9		ug/L		86	62 - 128	1	20
Trichloroethene	<0.16		50.0	54.4		ug/L		109	70 - 125	3	20
Trichlorofluoromethane	<0.43		50.0	52.6		ug/L		105	70 - 126	5	20
Vinyl chloride	<0.20	*	50.0	56.0		ug/L		112	64 - 126	4	20
Xylenes, Total	<0.22		100	92.7		ug/L		93	70 - 125	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*101*		*75 - 120*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Sample ID: MB 500-405437/6
Matrix: Water
Analysis Batch: 405437

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/16/17 10:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/16/17 10:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/16/17 10:28	1

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

Lab Sample ID: MB 500-405437/6
Matrix: Water
Analysis Batch: 405437

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/16/17 10:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/16/17 10:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/16/17 10:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/16/17 10:28	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			10/16/17 10:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/16/17 10:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/16/17 10:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/16/17 10:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/16/17 10:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/16/17 10:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/16/17 10:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/16/17 10:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/16/17 10:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/16/17 10:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/16/17 10:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/16/17 10:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/16/17 10:28	1
Benzene	<0.15		0.50	0.15	ug/L			10/16/17 10:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/16/17 10:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/16/17 10:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/16/17 10:28	1
Bromoform	<0.48		1.0	0.48	ug/L			10/16/17 10:28	1
Bromomethane	<0.80		2.0	0.80	ug/L			10/16/17 10:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/16/17 10:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/16/17 10:28	1
Chloroform	<0.37		2.0	0.37	ug/L			10/16/17 10:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/16/17 10:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/16/17 10:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/16/17 10:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/16/17 10:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/16/17 10:28	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			10/16/17 10:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/16/17 10:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/16/17 10:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/16/17 10:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/16/17 10:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/16/17 10:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/16/17 10:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/16/17 10:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/17 10:28	1
Styrene	<0.39		1.0	0.39	ug/L			10/16/17 10:28	1

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

Lab Sample ID: MB 500-405437/6
Matrix: Water
Analysis Batch: 405437

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/16/17 10:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/16/17 10:28	1
Toluene	<0.15		0.50	0.15	ug/L			10/16/17 10:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/16/17 10:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/16/17 10:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/16/17 10:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/16/17 10:28	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			10/16/17 10:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/16/17 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*10/16/17 10:28*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/16/17 10:28*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*10/16/17 10:28*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*10/16/17 10:28*	*1*

Lab Sample ID: LCS 500-405437/4
Matrix: Water
Analysis Batch: 405437

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	50.0	52.7		ug/L		105	70 - 125
1,1,1-Trichloroethane	50.0	48.4		ug/L		97	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.4		ug/L		97	67 - 127
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	70 - 122
1,1-Dichloroethane	50.0	49.0		ug/L		98	70 - 125
1,1-Dichloroethene	50.0	50.3		ug/L		101	67 - 122
1,1-Dichloropropene	50.0	48.8		ug/L		98	70 - 121
1,2,3-Trichlorobenzene	50.0	47.0		ug/L		94	55 - 140
1,2,3-Trichloropropane	50.0	42.2		ug/L		84	50 - 133
1,2,4-Trichlorobenzene	50.0	45.3		ug/L		91	66 - 127
1,2,4-Trimethylbenzene	50.0	47.6		ug/L		95	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	40.6		ug/L		81	56 - 123
1,2-Dibromoethane	50.0	50.8		ug/L		102	70 - 125
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 125
1,2-Dichloroethane	50.0	45.2		ug/L		90	68 - 127
1,2-Dichloropropane	50.0	50.8		ug/L		102	67 - 130
1,3,5-Trimethylbenzene	50.0	47.2		ug/L		94	70 - 123
1,3-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 125
1,3-Dichloropropane	50.0	48.4		ug/L		97	62 - 136
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 120
2,2-Dichloropropane	50.0	41.9		ug/L		84	58 - 129
2-Chlorotoluene	50.0	47.9		ug/L		96	70 - 125
4-Chlorotoluene	50.0	47.7		ug/L		95	68 - 124
Benzene	50.0	47.2		ug/L		94	70 - 120
Bromobenzene	50.0	50.0		ug/L		100	70 - 122
Bromochloromethane	50.0	52.3		ug/L		105	65 - 122
Bromodichloromethane	50.0	48.0		ug/L		96	69 - 120

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

Lab Sample ID: LCS 500-405437/4
Matrix: Water
Analysis Batch: 405437

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	53.3		ug/L		107	56 - 132
Bromomethane	50.0	70.4	*	ug/L		141	40 - 130
Carbon tetrachloride	50.0	51.1		ug/L		102	65 - 122
Chlorobenzene	50.0	51.4		ug/L		103	70 - 120
Chloroethane	50.0	45.1		ug/L		90	45 - 127
Chloroform	50.0	47.8		ug/L		96	70 - 120
Chloromethane	50.0	36.1		ug/L		72	54 - 147
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 125
cis-1,3-Dichloropropene	50.0	43.2		ug/L		86	64 - 127
Dibromochloromethane	50.0	53.0		ug/L		106	68 - 125
Dibromomethane	50.0	49.4		ug/L		99	70 - 120
Dichlorodifluoromethane	50.0	40.2		ug/L		80	40 - 150
Ethylbenzene	50.0	49.8		ug/L		100	70 - 120
Hexachlorobutadiene	50.0	51.4		ug/L		103	51 - 150
Isopropylbenzene	50.0	49.9		ug/L		100	70 - 126
Methyl tert-butyl ether	50.0	35.2		ug/L		70	70 - 120
Methylene Chloride	50.0	46.9		ug/L		94	69 - 125
Naphthalene	50.0	42.5		ug/L		85	59 - 130
n-Butylbenzene	50.0	48.0		ug/L		96	68 - 125
N-Propylbenzene	50.0	48.8		ug/L		98	69 - 127
p-Isopropyltoluene	50.0	50.3		ug/L		101	70 - 125
sec-Butylbenzene	50.0	49.5		ug/L		99	70 - 123
Styrene	50.0	50.8		ug/L		102	70 - 120
tert-Butylbenzene	50.0	49.8		ug/L		100	70 - 121
Tetrachloroethene	50.0	51.6		ug/L		103	70 - 128
Toluene	50.0	47.0		ug/L		94	70 - 125
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	62 - 128
Trichloroethene	50.0	54.2		ug/L		108	70 - 125
Trichlorofluoromethane	50.0	47.9		ug/L		96	70 - 126
Vinyl chloride	50.0	50.2		ug/L		100	64 - 126
Xylenes, Total	100	93.6		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-381203/3
Matrix: Water
Analysis Batch: 381203

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	<1.5		7.5	1.5	ug/L			10/11/17 07:29	1
Ethene	<1.5		7.0	1.5	ug/L			10/11/17 07:29	1

QC Sample Results

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Lab Sample ID: LCS 480-381203/4
Matrix: Water
Analysis Batch: 381203

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethane			14.6	14.8		ug/L		102	79 - 120		
Ethene			13.6	13.4		ug/L		98	85 - 120		

Lab Sample ID: LCSD 480-381203/5
Matrix: Water
Analysis Batch: 381203

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
Ethane			14.6	14.7		ug/L		101	79 - 120	1	50
Ethene			13.6	13.4		ug/L		99	85 - 120	0	50

Lab Chronicle

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-7
Date Collected: 10/05/17 14:10
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 00:24	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 08:37	TRG	TAL BUF

Client Sample ID: MW-2R
Date Collected: 10/05/17 14:45
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 00:54	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 08:55	TRG	TAL BUF

Client Sample ID: PZ-1
Date Collected: 10/06/17 10:10
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 01:24	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 09:13	TRG	TAL BUF

Client Sample ID: MW-1
Date Collected: 10/06/17 10:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 01:53	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	10	404890	10/12/17 02:23	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 09:30	TRG	TAL BUF

Client Sample ID: MW-1-FD
Date Collected: 10/06/17 10:35
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 02:52	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	10	404890	10/12/17 03:22	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 09:48	TRG	TAL BUF

Lab Chronicle

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Client Sample ID: MW-6
Date Collected: 10/06/17 10:50
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 03:52	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 10:05	TRG	TAL BUF

Client Sample ID: Trip Blank
Date Collected: 10/06/17 00:00
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 04:51	PMF	TAL CHI

Client Sample ID: Mars-1
Date Collected: 10/05/17 09:50
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 05:21	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 10:23	TRG	TAL BUF

Client Sample ID: Mars-7
Date Collected: 10/05/17 10:20
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 05:50	PMF	TAL CHI

Client Sample ID: MW-8
Date Collected: 10/05/17 10:45
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 06:20	PMF	TAL CHI

Client Sample ID: MW-11
Date Collected: 10/05/17 11:05
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 06:49	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 10:40	TRG	TAL BUF

Client Sample ID: MW-14
Date Collected: 10/05/17 11:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 07:19	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 10:58	TRG	TAL BUF

Client Sample ID: MW-12
Date Collected: 10/05/17 11:50
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 07:48	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 11:15	TRG	TAL BUF

Client Sample ID: MW-13
Date Collected: 10/05/17 12:15
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 08:18	PMF	TAL CHI

Client Sample ID: MW-9
Date Collected: 10/05/17 12:30
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	404890	10/12/17 08:48	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 11:33	TRG	TAL BUF

Client Sample ID: MW-10
Date Collected: 10/05/17 13:15
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	405437	10/16/17 16:22	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 11:50	TRG	TAL BUF

Client Sample ID: PZ-10
Date Collected: 10/05/17 13:45
Date Received: 10/07/17 10:35

Lab Sample ID: 500-135277-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	405437	10/16/17 16:52	PMF	TAL CHI
Total/NA	Analysis	RSK-175		1	381203	10/11/17 12:08	TRG	TAL BUF

Lab Chronicle

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Biotron - 25214158

TestAmerica Job ID: 500-135277-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-18

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	998310390	08-31-18

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-135277-1

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 5.8

Report To (optional)	Bill To (optional)
Contact: Eric Oelkers	Contact: SAME
Company: SCS Engineers	Company:
Address: 2830 Dairy Drive	Address:
Address: Madison, WI 53718	Address:
Phone: 608-216-7341	Phone:
Fax:	Fax:
E-Mail: EOelkers@scsengineers.com	PO#/Reference#

Client: SCS Engineers	Client Project #: 25214158	Preservative	1 / 1
Project Name: GBidrm		Parameter	VOCs / Ethane + Ethene
Project Location/State: WI	Lab Project #:		
Sampler: Nick Harms	Lab PM: Sandie Fredrick		

Preservative Key
1. HCL, Cool to 4°
2. [illegible] Cool to 4°
3. [illegible] 4°
4. [illegible] 4°
5. [illegible]ol to 4°

500-135277 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	Ethane + Ethene	Comments
1		MW-7	10-5-17	1410	4	W	X	X	
2		MW-2R		1445	4	W	X	X	
3		PZ-1	10-6-17	1010	4	W	X	X	
4		MW-1		1030	4	W	X	X	
5		MW-1-FD		1035	4	W	X	X	
6		MW-6		1050	4	W	X	X	
7		TRIP Blank					X		

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Nick Harms	SCS	10/6/17	1230	Chris Seavy	TAL-MKE	10/07/17	1035

Lab Courier:
Shipped: FX SATURDAY
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-135277

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 5.8

Report To (optional)	Bill To (optional)
Contact: Eric Oelkers	Contact: Same
Company: SCS Engineers	Company:
Address: 2830 Dairy Dr.	Address:
Address: Madison, WI 53718	Address:
Phone: 608-216-7341	Phone:
Fax:	Fax:
E-Mail: EOelkers@SCSengineers.com	PO#/Reference#

Client	Client Project #	Preservative	1	1
SCS Engineers	25214158			
Project Name: Biotrans		Parameter	VOCs	Ethane + Ethene
Project Location/State: WI	Lab Project #			
Sampler: Nate Harms	Lab PM: Sandie Fredrick			

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	Ethane + Ethene	Comments
8		Mars-1	10/5/17	950	4	W	X	X	
9		Mars-7		1020	3	W	X		
10		MW-8		1045	3	W	X		
11		MW-11		1105	4	W	X	X	
12		MW-14		1130	4	W	X	X	
13		MW-12		1150	4	W	X	X	
14		MW-13		1215	3	W	X		
15		MW-9		1230	4	W	X	X	
16		MW-10		1315	4	W	X	X	
17		PZ-10		1345	4	W	X	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Nate Harms	SCS	10/6/17	1230	David Sandy	TALHE	10/07/17	1035
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped FX SATurday
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

500-135277 Waybill

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie J	Carrier Tracking No(s):	COC No: 500-94015.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com	State of Origin: Wisconsin	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Wisconsin		Job #: 500-135277-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 10/16/2017			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Biotron - 25214158	Project #: 50006561			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-7 (500-135277-1)	10/5/17	14:10 Central		Water			X	2	
MW-2R (500-135277-2)	10/5/17	14:45 Central		Water			X	2	
PZ-1 (500-135277-3)	10/6/17	10:10 Central		Water			X	2	
MW-1 (500-135277-4)	10/6/17	10:30 Central		Water			X	2	
MW-1-FD (500-135277-5)	10/6/17	10:35 Central		Water			X	1	
MW-6 (500-135277-6)	10/6/17	10:50 Central		Water			X	2	
Mars-1 (500-135277-8)	10/5/17	09:50 Central		Water			X	2	
MW-11 (500-135277-11)	10/5/17	11:05 Central		Water			X	2	
MW-14 (500-135277-12)	10/5/17	11:30 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/9/17 1350	TA-Chi	[signature]	10/10/17 0950	TA Buf.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.8°c

10/17/2017

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie J	Carrier Tracking No(s):	COC No: 500-94015.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com	State of Origin: Wisconsin	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Wisconsin		Job #: 500-135277-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 10/16/2017			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Biotron - 25214158	Project #: 50006561			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-12 (500-135277-13)	10/5/17	11:50 Central		Water			X	2	
MW-9 (500-135277-15)	10/5/17	12:30 Central		Water			X	2	
MW-10 (500-135277-16)	10/5/17	13:15 Central		Water			X	2	
PZ-10 (500-135277-17)	10/5/17	13:45 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/9/17 0530	TA-CHI	[signature]	10/10/17 0950	TA BUF
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.8°

10/17/2017

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-135277-1

Login Number: 135277
List Number: 1
Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

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	5.8
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 (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	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-135277-1

Login Number: 135277
List Number: 2
Creator: Hulbert, Michael J

List Source: TestAmerica Buffalo
List Creation: 10/10/17 04:33 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Table 3. Groundwater Analytical Results Summary - VOCs
West Campus Cogeneration Facility and UW Biotron / SCS Engineers Project #25214158
(Results are in µg/L)

Sample	Date	Lab Notes	PCE	TCE	Vinyl Chloride	cis-1,2-DCE	trans-1,2-DCE	Other VOCs	
MW-1 (Ayres)	8/8/2012	--	*0.6*	**260**	NR	*25*	0.93	Chloroform	0.59
								Chloromethane	0.57
								1,1-Dichloroethene	0.29
MW-1	1/15/2015	--	<0.50	**1,490**	**0.60** J	**1,860**	16.4	1,1-Dichloroethene	*3.2*
								1,1,2-Trichloroethane	0.36 J
	4/15/2015	--	<0.34	**1,000**	<0.20	**1,100**	8.7	1,1-Dichloroethene	*1.1* J1
	5/10/2017	--	<0.37	**100**	**1.7**	**120**	1.4	ND	
	10/6/2017	(1)	<0.37	**190**	**9.2** *	**310**	3.1	1,1-Dichloroethene	0.64 J1
DUP	10/6/2017	(1)	<0.37	**190**	**9.0** *	**300**	3.1	1,1-Dichloroethene	*0.71* J1
PZ-1	5/10/2017	--	**9.0**	**75**	<0.20	6.1	<0.35	ND	
	10/6/2017	(1)	**26**	**46**	<0.20 *	*4.7*	0.62 J1	ND	
MW-2 (Ayres)	8/8/2012	--	<0.29	**13**	NR	0.59	<0.30	Chloroform	*2.8*
(abandoned)								Chloromethane	0.48
MW-2R	1/15/2015	--	<0.50	**134**	<0.18	5.2	0.77 J	ND	
	4/15/2015	--	<0.17	**18**	<0.10	<0.12	<0.25	ND	
	5/10/2017	--	<0.37	**12**	<0.20	*33*	<0.35	ND	
	10/5/2017	(1)	<0.37	*3.5*	<0.20 *	*7.1*	<0.35	Chloroform	*2.0*
MW-3 (Ayres)	8/8/2012	--	**8.0**	*0.69*	NR	<0.30	<0.30	Chloroform	0.33
(lost)								Chloromethane	0.58
								Toluene	0.40

Table 3. Groundwater Analytical Results Summary - VOCs
West Campus Cogeneration Facility and UW Biotron / SCS Engineers Project #25214158
(Results are in µg/L)

Sample	Date	Lab Notes	PCE	TCE	Vinyl Chloride	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-4 (Ayres) (lost)	8/8/2012	--	**14**	*0.64*	NR	<0.30	<0.30	Bromodichloromethane *0.39* Chloroform *0.60* Chloromethane 0.54 TMBs 0.69
MW-5 (Ayres) (lost)	8/8/2012	--	**86**	*1.7*	NR	3.9	<0.30	Chloromethane 0.63 Toluene 0.40 TMBs 1.2
MW-6	1/15/2015	--	<0.50	**149**	**91.2**	**768**	19.9	ND
	4/15/2015	--	<0.17	**14**	**86**	**480**	14	1,1-Dichloroethene *1.0*
	5/10/2017	--	<0.37	**9.5**	**22**	**130**	6.0	ND
	10/6/2017	(1)	<0.37	*1.5*	**42** *	**140**	7.1	ND
MW-7	1/15/2015	--	<0.50	*4.8*	**0.37** J	5.8	0.42 J	ND
DUP	1/15/2015	--	<0.50	*4.3*	**0.37** J	5.1	0.29 J	ND
	4/15/2015	--	<0.17	**5.0**	<0.10	*8.7*	<0.25	ND
	5/8/2017	--	<0.37	*4.9*	**0.73**	*20*	<0.35	ND
	10/5/2017	(1)	<0.37	**7.3**	**0.62** *	*17* J1	0.70 J1	ND
MW-8	1/15/2015	--	<0.50	<0.33	<0.18	<0.26	<0.26	ND
	4/15/2015	--	<0.17	<0.19	<0.10	<0.12	<0.25	ND
	5/8/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)	<0.37	<0.16	<0.20 *	<0.41	<0.35	ND

Table 3. Groundwater Analytical Results Summary - VOCs
West Campus Cogeneration Facility and UW Biotron / SCS Engineers Project #25214158
(Results are in µg/L)

Sample	Date	Lab Notes	PCE	TCE	Vinyl Chloride	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-9	1/15/2015	--	**31.9**	*0.57* J	<0.18	1.2	<0.26	Dichlorodifluoromethane 1.7
	4/15/2015	--	**12**	<0.19	<0.10	<0.12	<0.25	ND
	5/8/2017	--	**14**	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)(2)	<0.16	**14**	<0.20 *	0.70 J1	<0.35	ND
MW-10	1/15/2015	--	**23.6**	<0.33	<0.18	0.54 J	<0.26	ND
	4/15/2015	--	**11**	<0.19	<0.10	<0.12	<0.25	ND
	5/8/2017	--	**18**	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)	**21**	<0.16	<0.20	0.52 J1	<0.35	ND
PZ-10	1/15/2015	--	**67.7**	*0.89* J	<0.18	1.6	<0.26	ND
	4/15/2015	(3)	**62**	*0.86*	<0.10	1.3	<0.25	ND
	5/8/2017	--	**240**	*2.9*	<0.20	*7.4*	<0.35	ND
	10/5/2017	(1)	**110**	*2.0*	<0.20	5.0	<0.35	1,2-Dichloroethane **9.9**
MW-11	5/8/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	Chloroform *2.0*
	10/5/2017	(1)	<0.37	<0.16	<0.20 *	<0.41	<0.35	Chloroform *2.0*
MW-12	5/10/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)	<0.37	**6.5**	<0.20 *	3.2	<0.35	ND
MW-13	5/10/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)	<0.37	<0.16	<0.20 *	0.58 J1	<0.35	ND
MW-14	5/8/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)	<0.37	<0.16	<0.20 *	<0.41	<0.35	Ethylbenzene 0.29 J1

Table 3. Groundwater Analytical Results Summary - VOCs
West Campus Cogeneration Facility and UW Biotron / SCS Engineers Project #25214158
(Results are in µg/L)

Sample	Date	Lab Notes	PCE	TCE	Vinyl Chloride	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
Mars-1	5/8/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)	<0.37	<0.16	<0.20 *	<0.41	<0.35	ND
Mars-7	5/8/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/5/2017	(1)	<0.37	<0.16	<0.20 *	<0.41	<0.35	ND
Trip Blank	1/15/2015	--	<0.50	<0.33	<0.18	<0.26	<0.26	ND
	4/15/2015	--	<0.17	<0.19	<0.10	<0.12	<0.25	ND
	5/8/2017	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND
	10/6/2017	(1)	<0.37	<0.16	<0.20 *	<0.41	<0.35	ND
Rinsate Blank	1/15/2015	--	<0.50	<0.33	<0.18	<0.26	<0.26	Methylene Chloride 0.41 J
NR 140 Enforcement Standards (ESs)			5	5	0.2	70	100	Bromodichloromethane 0.6 Chloromethane 30 Chloroform 6 Dichlorodifluoromethane 1,000 1,1-Dichloroethane 5 1,1-Dichloroethene 7 Ethylbenzene 700 Methylene Chloride 5 1,1,2-Trichloroethane 5 Toluene 800 TMBs 480
NR 140 Preventive Action Limits (PALs)			0.5	0.5	0.02	7	20	Bromodichloromethane 0.06 Chloromethane 3 Chloroform 0.6 Dichlorodifluoromethane 200 1,1-Dichloroethane 0.5 1,1-Dichloroethene 0.7 Ethylbenzene 140 Methylene Chloride 0.5 1,1,2-Trichloroethane 0.5 Toluene 160 TMBs 96

Table 3. Groundwater Analytical Results Summary - VOCs
West Campus Cogeneration Facility and UW Biotron / SCS Engineers Project #25214158

Abbreviations:
µg/L = micrograms per liter or parts per billion (ppb)
ND = Not Detected
DUP = Duplicate
NR = Not reported in Ayres summary table
-- = Not Applicable
VOCs = Volatile Organic Compounds
DCE = Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
TMBs = Trimethylbenzenes

Notes:
NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards
NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards

Bold+underlined values meet or exceed NR 140 enforcement standards.
Italic+underlined values meet or exceed NR 140 preventive action limits.
Results dated 8/8/2012 reported by Ayres.

Laboratory Notes/Qualifiers:
* = LCS or LCSD is outside acceptance limits.
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
J1 = Result is less than the Reporting Limit or Requested Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
(1) Bromomethane = LCS or LCSD is outside acceptance limits.
(2) Bromomethane = MS and/or MSD Recovery is outside acceptance limits.
(3) 1,2,3-Trichlorobenzene - MS and/or MSD Recovery is outside acceptance limits.

Created by:	MDB	Date:	1/27/2015
Last revision by:	LMH	Date:	10/18/2017
Checked by:	JSN	Date:	10/20/2017

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