Quarterly Groundwater Monitoring Report

Prepared for

Black & Decker (U.S.) Inc.

Hampstead, Maryland

April 2019

Prepared by

WESTON SOLUTIONS, INC.

West Chester, Pennsylvania 19380-1499

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1. INTRODUCTION

This Groundwater Monitoring Report has been prepared to meet the requirements of Condition IV.G of the Administrative Consent Order between the State of Maryland Department of the Environment (MDE) and Black & Decker (U.S.) Inc. (April 1995) (Consent Order). Specifically, Condition IV.G calls for preparation of a Groundwater Monitoring Report containing the following information for each reporting period:

- The quantities of groundwater pumped, treated, and discharged.
- The calculation of quantities of contaminants removed from groundwater.
- A summary of all sampling analyses.
- An explanation of all operational or other problems encountered, and the manner in which each problem was resolved.
- Copies of all reports submitted to the Department of Natural Resources in conjunction with the Groundwater Appropriations Permit.
- Recommendations for changes to the Interim Groundwater Treatment System.

This document is one of several which are being prepared in response to the Consent Order; each of these documents are to be submitted to the MDE in accordance with the schedule outlined in the Consent Order. This document will become part of the Administrative Record for the site, which is maintained at the Hampstead Public Library.

2. SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of January through March 2019.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. The complete groundwater treatment system pumping records are included in Appendix A.

Monthly water levels for wells included in the water level monitoring plan are presented in Table 2-2. For the reporting period of January through March 2019, the extraction wells were pumping at an average combined rate of approximately 197 gallons per minute (gpm).

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of January through March 2019 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of January through March 2019, approximately 7.88 pounds of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs removed from the groundwater were comprised primarily of trichloroethene (TCE) (66.4 %) and tetrachloroethene (PCE) (33.6 %). Analytical results of the groundwater collected from the air stripper for the period of January through March 2019 are included in Appendix C.

A summary of the analytical results from the first quarter (February 2019) groundwater sampling round of the extraction and monitor wells is presented in Table 2-4. The complete

Table 2-1
Treatment System Pumping Records - 1st Quarter 2019
Stanley Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
January 2019	8,289,187
February 2019	7,887,917
March 2019	8,813,958

Table 2-2
Groundwater Elevation Data - 1st Quarter 2019
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	1/22/2019		2/10/2019		3/15/2019	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	87.82	761.39	86.25	762.96	88.20	761.01
EW-3	846.64	118	91.50	755.14	87.50	759.14	90.10	756.54
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	89.28	774.89	87.56	776.61	90.45	773.72
EW-6	831.98	115	85.26	746.72	78.22	753.76	80.50	751.48
EW-7	818.38	78	91.50	726.88	86.25	732.13	89.80	728.58
EW-8	811.13	98	94.80	716.33	93.46	717.67	97.50	713.63
EW-9	811.35	141	101.00	710.35	99.70	711.65	100.50	710.85
EW-10	807.74	NA	56.11	751.63	51.26	756.48	54.38	753.36
RFW-1A	864.37	78	46.82	817.55	47.05	817.32	48.90	815.47
RFW-1B	864.23	200	46.79	817.44	47.03	817.20	48.86	815.37
RFW-2A	857.41	35	12.62	844.79	11.04	846.37	13.89	843.52
RFW-2B	857.73	75	13.04	844.69	11.74	845.99	14.56	843.17
RFW-3B	839.21	153	26.56	812.65	23.53	815.68	25.64	813.57
RFW-4A	830.37	62	27.59	802.78	21.99	808.38	24.52	805.85
RFW-4B	830.37	120	27.65	802.72	22.02	808.35	24.56	805.81
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	3.56	781.48	1.33	783.71	2.89	782.15
RFW-7	805.14	29	4.95	800.19	3.63	801.51	5.11	800.03
RFW-8	860.07	56	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	25.81	836.21	23.00	839.02	24.78	837.24
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	65.10	784.52	59.27	790.35	60.37	789.25
RFW-12B	844.87	264	48.26	796.61	45.33	799.54	46.73	798.14
RFW-13	849.11	150	54.33	794.78	51.17	797.94	53.24	795.87
RFW-14B	812.39	281	50.76	761.63	49.56	762.83	50.49	761.90
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	24.87	809.79	21.56	813.10	22.23	812.43
RFW-20	842.49	142	29.80	812.69	28.75	813.74	30.08	812.41
RFW-21	832.65	102	19.24	813.41	18.03	814.62	19.81	812.84
PH-7	805.94	89	28.47	777.47	28.46	777.48	29.06	776.88
PH-9	814.94	98	49.68	765.26	48.52	766.42	49.73	765.21
PH-11	820.68	78	50.18	770.50	49.70	770.98	50.68	770.00
PH-12	828.35	87	49.43	778.92	47.84	780.51	49.86	778.49
B-3	803.02	83	NA	NC	NA	NC	NA	NC
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	1.21	803.75	0.79	804.17	1.18	803.78
Pembroke #1	NA	NA	9.02	NC	8.60	NC	9.13	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	9.36	NC	9.23	NC	9.42	NC
E. Century St.	NA	NA	19.21	NC	19.17	NC	19.23	NC
Lwr. Beckleys. Rd.	NA	NA	50.17	NC	49.56	NC	50.42	NC

NA - Not Available/Not Accessible

NC - Not Calculable

PC - Pump Cycles

Table 2-3
Effluent Characteristics Summary - 1st Quarter 2019
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter		Units	Permit Limits	Discharge Monitoring Report Date		
					January 2019	February 2019	March 2019
001 (Monitoring Point)	FLOW	average	MGD	NA	0.399	0.378	0.347
		maximum	MGD	NA	1.099	1.290	1.530
	1,1,1-Trichloroethane		ug/l	5	NS	NS	NS
	Tetrachloroethylene		ug/l	5	NS	NS	NS
	Trichloroethylene		ug/l	5	NS	NS	NS
	Total Residual Chlorine		mg/l	< 0.1	< 0.1	< 0.1	< 0.1
	Oil & Grease	maximum	mg/l	15	< 2	< 2	< 2
		monthly average	mg/l	10	< 2	< 2	< 2
	pH	minimum	STD	6.0	7.0	7.2	7.8
		maximum	STD	8.5	8.0	8.2	8.4
	BOD		mg/l	15	< 2	3.0	5.0
	TSS	maximum	mg/l	30	< 5	10	14
		monthly average	mg/l	20	< 5	10	14
101 (Monitoring Point)	Monitoring Point #101 is no longer in use since the facility hooked up to the Town of Hampstead sanitary sewer in July 2018.						
201 (Monitoring Point)	FLOW	average	MGD	NA	NR	NR	0.278
		maximum	MGD	NA	NR	NR	0.352
	1,1,1-Trichloroethane		ug/l	NA	NR	NR	< 1
	Tetrachloroethylene		ug/l	NA	NR	NR	< 1
	Trichloroethylene		ug/l	NA	NR	NR	< 1

NA - Not Applicable
NR - Not Reported
NS - Analyte not sampled. The NPDES permit issued October 1, 2017, no longer requires these analytes to be sampled.

Table 2-4
Summary of Groundwater Analytical Results - February 2019
Stanley Black & Decker
Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-9	EW-9 (DUP)	EW-10
Chloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	ug/L	NS	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Vinyl Chloride	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	NS	1.6 J	1.6 J	5 U	1.7 J	5 U	1.6 J	1.6 J	5 U	1.6 J	1.7 J
Acetone	ug/L	NS	4.8 J	3.3 J	5 U	5 U	4.6 J	5 U	2.6 J	5 U	3.3 J	3.9 J
Carbon Disulfide	ug/L	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1-Dichloroethene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	0.6 J	1 U	1 U	1 U
1,2-Dichloroethene (total)	ug/L	NS	1.6	1.4	1 U	1 U	1 U	1.3	17	1 U	1 U	1 U
Chloroform	ug/L	NS	0.37 J	2 U	2 U	2 U	0.5 J	0.5 J	2 U	2 U	2 U	2 U
1,2-Dichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	ug/L	NS	82	12	190	63	3.9	1	3.7	0.6	0.6	0.5 U
Dibromochloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	ug/L	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,3-Dichloropropene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	ug/L	NS	47	0.7 J	5.1	2.9	9.3	3.2	40	71	77	1.5
1,1,2,2-Tetrachloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	ug/L	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	ug/L	NS	0.19 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
J = Indicates an estimated value.
NS = Not Sampled

Table 2-4
Summary of Groundwater Analytical Results - February 2019
Stanley Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-1A	RFW-1B	RFW-2A	RFW-2B	RFW-3B	RFW-4A	RFW-4A (DUP)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10
Chloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromomethane	ug/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	NS	3 U	3 U	NS	3 U	NS
Vinyl Chloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Chloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Methylene Chloride	ug/L	5 U	1.8 J	1.9 J	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Acetone	ug/L	3.1 J	3.1 J	4 J	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Carbon Disulfide	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NS	2 U	2 U	NS	2 U	NS
1,1-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
1,1-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	0.7 J	NS
1,2-Dichloroethene (total)	ug/L	1 U	1 U	1 U	1 U	1 J	0.8 J	0.8 J	0.5 J	NS	1 U	1 U	NS	22	NS
Chloroform	ug/L	1 J	1 J	2 U	2 U	2 U	0.5 J	0.5 J	2 U	NS	2 U	2 U	NS	2 U	NS
1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
1,1,1-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	22	21	0.4 J	NS	0.3 J	1.2	NS	3.3	NS
Dibromochloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
1,1,2-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
4-Methyl-2-pentanone	ug/L	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	15	13	1.4	NS	0.5 J	1 U	NS	3.8	NS
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Xylene (total)	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS

Notes: DUP = Duplicate sample
NS = Not sampled
U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
J = Indicates an estimated value.

Table 2-4
Summary of Groundwater Analytical Results - February 2019
Stanley Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-11A	RFW-11B	RFW-12B	RFW-13	RFW-16	RFW-17	Leister Dairy	Leister Res. #1	Leister Res. #2	Trip Blank	RFW-20	RFW-21	Town #22	Town #23	Trip Blank
												USEPA drinking water method 524.2				
Chloromethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/L	NS	3 U	3 U	3 U	NS	3 U	ABD	ABD	ABD	3 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	NS	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	NS	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	2 U	2 U	0.8 J	NS	2 U	ABD	ABD	ABD	2 U	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (total)	ug/L	NS	1 U	1.9	5.2	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/L	NS	2 U	2 U	2 U	NS	2 U	ABD	ABD	ABD	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8
1,2-Dichloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	ug/L	NS	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/L	NS	0.7	73	1.6	NS	0.5 U	ABD	ABD	ABD	0.5 U	0.5 U	0.5 U	1.1	0.5 U	0.5 U
Dibromochloromethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	ug/L	NS	0.5 U	0.5 U	0.5 U	NS	0.5 U	ABD	ABD	ABD	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,3-Dichloropropene	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	ug/L	NS	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	1 U	5.4	7	NS	0.5 J	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	ug/L	NS	0.5 U	0.5 U	0.5 U	NS	0.5 U	ABD	ABD	ABD	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	ug/L	NS	0.5 U	0.5 U	0.5 U	NS	0.5 U	ABD	ABD	ABD	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes: Samples from wells RFW-20 & 21, Town-22&23 are analyzed with the USEPA drinking water method 524.2 at the request of the MDE Source Protection and Appropriation Division. Samples from all of the other wells are analyzed with USEPA Method 8260.

NS = Not sampled

U = Compound was analyzed but not detected.

ABD = Well has been abandoned

analytical data package is included in Appendix D.

As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentration of TCE was detected in the groundwater sample collected from well ~~EW-2 and~~ EW-4. The highest concentration of PCE was detected in the groundwater sample collected from well EW-9. The remainder of VOCs present were detected at levels below the Federal Maximum Contaminant Levels (MCL).

3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities which were undertaken with the extraction and treatment system during the reporting period (January through March 2019) is presented in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate or other routine maintenance activities).

Table 3-1
Treatment System Maintenance Activities - 1st Quarter 2019
Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
There were no maintenance issues during the 1st Quarter of 2019	

4. RECOMMENDATIONS

For the reporting period of January through March 2019, the treatment system continued to create a hydraulic boundary preventing off-site migration of groundwater. The extraction system will continue to operate as currently configured to pump and treat contaminated groundwater. Depth-to-water measurements will continue to be collected on a monthly basis in all site monitor wells to construct a groundwater elevation contour map for the site. The groundwater elevation contour map will be used to verify that the required area of groundwater capture is being maintained. If necessary, pumping rates will be adjusted to maintain groundwater capture due to seasonal fluctuations in groundwater elevations. The treatment system will also continue to operate as currently configured, as data collected have proven that the treatment system is fully effective in removing VOCs from the extracted groundwater.

APPENDIX A
GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS
(JANUARY – MARCH 2019)

ENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

Operated By: Maryland Environmental Service
259 Najoles Road, Millersville MD

Facility: BTR Capital Group (MD0001881)
Address: 627 Hanover Pike, Hampstead Maryland

Superintendent: David Coale Certification # 1662

Month: January
Year: 2019

Additional Op's & cert # - Garrett Scheller 2500, Chris Dallas 6202, Dorrance Jones 0763,Andrew Bradley 0780,Martin Whitt 0666

	Final Effluent outfall 001																Outfall 101						Outfall 201				
Date	Appearance	Discharge MGD	pH su	Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethan ug/l	Trichloroethene ug/l	BOD_5 mg/l	TSS mg/l	TKN mg/l	N+N mg/l	TP mg/l	TN mg/l	O&G mg/l	eColi mpn	Flow MGD	eColi mpn	Basin Inches	Alum Gpd	Hypochlorite Gpd	Post Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	1.09900	7.08	0.00												0.000000		0"	0.0	0.0	0.0				0.263100	C. Dallas
2	Clear	0.42100														0.000000		0"	0.0	0.0	0.0				0.295364	G. Scheller
3	Clear	0.30200														0.000000		0"	0.0	0.0	0.0				0.281248	G. Scheller
4	Clear	0.30500														0.000000		0"	0.0	0.0	0.0				0.293302	G. Scheller
5	Clear	0.36700														0.000000		0"	0.0	0.0	0.0				0.275640	C. Dallas
6	Clear	0.20500														0.000000		0"	0.0	0.0	0.0				0.274710	C. Dallas
7	Clear	0.25000	7.75	0.00												0.000000		0"	0.0	0.0	0.0				0.282444	G. Scheller
8	Clear	0.30600	7.00	0.00												0.000000		0"	0.0	0.0	0.0				0.282108	G. Scheller
9	Clear	0.37100														0.000000		0"	0.0	0.0	0.0				0.279868	G. Scheller
10	Clear	0.25600														0.000000		0.0	0.0	0.0	0.0				0.273395	M. Whitt
11	Clear	0.23000														0.000000		0.0	0.0	0.0	0.0				0.282675	M. Whitt
12	Clear	0.20900														0.000000		0"	0.0	0.0	0.0				0.271041	D.Jones
13	Clear	0.36400														0.000000		0"	0.0	0.0	0.0				0.148760	D.Jones
14	Clear	0.32100	7.60	0.00												0.000000		0"	0.0	0.0	0.0				0.221379	G. Scheller
15	Clear	0.25400	7.77	0.00												0.000000		0"	0.0	0.0	0.0				0.207581	G. Scheller
16	Clear	0.22400						<2	<5			<0.1		<1.9		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.233159	G. Scheller
17	Clear	0.29600														0.000000		0"	0.0	0.0	0.0				0.337497	G. Scheller
18	Clear	0.26000														0.000000		0"	0.0	0.0	0.0				0.270046	G. Scheller
19	Clear	0.29000														0.000000		0"	0.0	0.0	0.0				0.277694	A.Bradley
20	Clear	1.07400														0.000000		0"	0.0	0.0	0.0				0.275146	A.Bradley
21	Clear	0.64000	7.89	0.00												0.000000		0"	0.0	0.0	0.0				0.294901	G. Scheller
22	Clear	0.33600	7.67	0.00												0.000000		0"	0.0	0.0	0.0				0.280773	G. Scheller
23	Clear	0.27500														0.000000		0"	0.0	0.0	0.0				0.208224	G. Scheller
24	Clear	1.04700														0.000000		0"	0.0	0.0	0.0				0.270677	G. Scheller
25	Clear	0.97100														0.000000		0"	0.0	0.0	0.0				0.270223	G. Scheller
26	Clear	0.35700														0.000000		0"	0.0	0.0	0.0				0.274511	C. Dallas
27	Clear	0.29500														0.000000		0"	0.0	0.0	0.0				0.269077	C. Dallas
28	Clear	0.26500	7.81	0.00												0.000000		0"	0.0	0.0	0.0				0.270050	G. Scheller
29	Clear	0.24200	7.95	0.00												0.000000		0"	0.0	0.0	0.0				0.265704	G. Scheller
30	Clear	0.24800														0.000000		0"	0.0	0.0	0.0				0.212744	G. Scheller
31	Clear	0.28200														0.000000		0"	0.0	0.0	0.0				0.346146	G. Scheller
Total		12.36200														0.000000									8.289187	
Average		0.39877		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	0	0	####	####	0	####	0	####	0.000000	#NUM!	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.267393	
Minimum		0.20500	7.0	0.00	0	0	0	0	0	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.148760	MOR
Maximum		1.09900	8.0	<0.10	0	0	0	0	0	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.346146	2/21/2019

ENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

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259 Najoles Road, Millersville MD

Facility: BTR Capital Group (MD0001881)
Address: 627 Hanover Pike, Hampstead Maryland
Additional Op's & cert # - Garrett Scheller 2500, Dorrance Jones 0763, Chris Dallas 6202,Andrew Bradley 0780,Martin Whitt 0666

Superintendent: David Coale Certification # 1662

Month: February
Year: 2019

	Final Effluent outfall 001															Outfall 101						Outfall 201				
Date	Appearance	Discharge MGD	pH su	Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethan ug/l	Trichloroethene ug/l	BOD_5 mg/l	TSS mg/l	TKN mg/l	N+N mg/l	TP mg/l	TN mg/l	O&G mg/l	eColi mpn	Flow MGD	eColi mpn	Basin Inches	Alum Gpd	Hypochlorite Gpd	Post Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	0.21900														0.000000		0"	0.0	0.0	0.0				0.275995	G. Scheller
2	Clear	0.20600														0.000000		0"	0.0	0.0	0.0				0.224209	D.Jones
3	Clear	0.29500														0.000000		0"	0.0	0.0	0.0				0.321147	D.Jones
4	Clear	0.24400														0.000000		0"	0.0	0.0	0.0				0.275163	A.Bradley
5	Clear	0.25900	7.17	0.00												0.000000		0"	0.0	0.0	0.0				0.279766	A.Bradley
6	Clear	0.31000	7.43	0.00												0.000000		0"	0.0	0.0	0.0				0.297302	A.Bradley
7	Cloudy	0.37900														0.000000		0"	0.0	0.0	0.0				0.293372	M. Whitt
8	Clear	0.32600														0.000000		0"	0.0	0.0	0.0				0.275951	A.Bradley
9	Clear	0.27100														0.000000		0"	0.0	0.0	0.0				0.294247	G. Scheller
10	Clear	0.23100														0.000000		0"	0.0	0.0	0.0				0.277919	G. Scheller
11	Clear	0.31100	8.15	0.00												0.000000		0"	0.0	0.0	0.0				0.224415	G. Scheller
12	Clear	0.34000	7.81	0.00												0.000000		0"	0.0	0.0	0.0				0.224617	G. Scheller
13	Clear	1.29000														0.000000		0"	0.0	0.0	0.0				0.351578	G. Scheller
14	Clear	0.48700														0.000000		0"	0.0	0.0	0.0				0.285798	G. Scheller
15	Clear	0.39700														0.000000		0"	0.0	0.0	0.0				0.287081	G. Scheller
16	Clear	0.34200														0.000000		0"	0.0	0.0	0.0				0.281310	C. Dallas
17	Clear	0.28400														0.000000		0"	0.0	0.0	0.0				0.287879	C. Dallas
18	Clear	0.43500	7.81	0.00												0.000000		0"	0.0	0.0	0.0				0.284691	G. Scheller
19	Clear	0.30200	8.04	0.00												0.000000		0"	0.0	0.0	0.0				0.291204	G. Scheller
20	Clear	0.20500														0.000000		0"	0.0	0.0	0.0				0.213826	G. Scheller
21	Clear	0.44800						3.20	10.00			<0.1		<5		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.292599	G. Scheller
22	Clear	0.69800														0.000000		0"	0.0	0.0	0.0				0.343870	G. Scheller
23	Clear	0.31400														0.000000		0"	0.0	0.0	0.0				0.278517	D.Jones
24	Clear	0.75000														0.000000		0"	0.0	0.0	0.0				0.285778	D.Jones
25	Clear	0.49400	7.73	0.00												0.000000		0"	0.0	0.0	0.0				0.295852	G. Scheller
26	Clear	0.24900	8.12	0.00												0.000000		0"	0.0	0.0	0.0				0.281052	G. Scheller
27	Clear	0.24300														0.000000		0"	0.0	0.0	0.0				0.279059	A.Bradley
28	Clear	0.25600														0.000000		0"	0.0	0.0	0.0				0.283720	A.Bradley
29																										
30																										
31																										
Total		10.58500														0.000000									7.887917	
Average		0.37804		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	3	10	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.281711	
Minimum		0.20500	7.2	0.00	0	0	0	3	10	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.213826	MOR
Maximum		1.29000	8.2	<0.10	0	0	0	3	10	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.351578	3/20/2019

ENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

Operated By: Maryland Environmental Service
259 Najoles Road, Millersville MD

Facility: BTR Capital Group (MD0001881)
Address: 627 Hanover Pike, Hampstead Maryland

Superintendent: David Coale Certification # 1662

Month: March
Year: 2019

Additional Op's & cert # - Garrett Scheller 2500, Andrew Bradley 0780, Chris Dallas 6202, Dorrance Jones 0763

	Final Effluent outfall 001															Outfall 101						Outfall 201				
Date	Appearance	Discharge MGD	pH su	Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethan ug/l	Trichloroethene ug/l	BOD_5 mg/l	TSS mg/l	TKN mg/l	N+N mg/l	TP mg/l	TN mg/l	O&G mg/l	eColi mpn	Flow MGD	eColi mpn	Basin Inches	Alum Gpd	Hypochlorite Gpd	Post Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	0.24900														0.000000		0"	0.0	0.0	0.0				0.227162	A. Bradley
2	Clear	0.51800														0.000000		0"	0.0	0.0	0.0				0.343555	G. Scheller
3	Clear	0.52900														0.000000		0"	0.0	0.0	0.0				0.271454	G. Scheller
4	Clear	0.48800	8.13	0.00												0.000000		0"	0.0	0.0	0.0				0.305453	G. Scheller
5	Clear	0.39000	7.99	0.00				4.70	14.00			<0.1		<1.9		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.285637	G. Scheller
6	Clear	0.35100														0.000000		0"	0.0	0.0	0.0				0.285080	G. Scheller
7	Clear	0.23400														0.000000		0"	0.0	0.0	0.0				0.284226	G. Scheller
8	Clear	0.23600														0.000000		0"	0.0	0.0	0.0				0.278385	G. Scheller
9	Clear	0.24400														0.000000		0"	0.0	0.0	0.0				0.279058	A. Bradley
10	Clear	0.73400														0.000000		0"	0.0	0.0	0.0				0.273792	A. Bradley
11	Clear	0.43000	8.31	0.00												0.000000		0"	0.0	0.0	0.0				0.292853	G. Scheller
12	Clear	0.23500	8.15	0.00												0.000000		0"	0.0	0.0	0.0				0.281823	G. Scheller
13	Clear	0.23600														0.000000		0"	0.0	0.0	0.0				0.289564	G. Scheller
14	Clear	0.20800														0.000000		0"	0.0	0.0	0.0				0.289480	G. Scheller
15	Clear	0.21700														0.000000		0"	0.0	0.0	0.0				0.280111	G. Scheller
16	Clear	0.29600														0.000000		0"	0.0	0.0	0.0				0.292489	C. Dallas
17	Clear	0.19300														0.000000		0"	0.0	0.0	0.0				0.282812	C. Dallas
18	Clear	0.18400	8.36	0.00												0.000000		0"	0.0	0.0	0.0				0.278358	G. Scheller
19	Clear	0.17900	8.04	0.00												0.000000		0"	0.0	0.0	0.0				0.281886	G. Scheller
20	Clear	0.18400														0.000000		0"	0.0	0.0	0.0				0.280606	C. Dallas
21	Clear	0.46300														0.000000		0"	0.0	0.0	0.0				0.280506	G. Scheller
22	Clear	1.53000														0.000000		0"	0.0	0.0	0.0				0.294353	G. Scheller
23	Clear	0.47400														0.000000		0"	0.0	0.0	0.0				0.265592	D.Jones
24	Clear	0.21300														0.000000		0"	0.0	0.0	0.0				0.229640	D.Jones
25	Clear	0.27200	7.95	0.00												0.000000		0"	0.0	0.0	0.0				0.341753	G. Scheller
26	Clear	0.30700	7.77	0.00												0.000000		0"	0.0	0.0	0.0				0.232896	G. Scheller
27	Clear	0.27800														0.000000		0"	0.0	0.0	0.0				0.350964	G. Scheller
28	Clear	0.20000														0.000000		O"	0.0	0.0	0.0				0.279601	M Whitt
29	Clear	0.22000														0.000000		0"	0.0	0.0	0.0				0.277690	M Whitt
30	Clear	0.24300														0.000000		0"	0.0	0.0	0.0				0.301641	G. Scheller
31	Clear	0.23500														0.000000		0"	0.0	0.0	0.0				0.275538	G. Scheller
Total		10.77000														0.000000									8.813958	
Average		0.34742		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	5	14	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.284321	
Minimum		0.17900	7.8	0.00	0	0	0	5	14	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.227162	MOR
Maximum		1.53000	8.4	<0.10	0	0	0	5	14	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.350964	4/19/2019

APPENDIX B
DISCHARGE MONITORING REPORTS
(JANUARY - MARCH 2019)

DMR Copy of Record

Permit

Permit #:	**MD0001881**	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A1** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 01/01/19 to 01/31/19**	**DMR Due Date:**	**04/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	**Title:**	**Telephone:**	
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample										=	0	19 - mg/L		01/30 - Monthly	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Permit Req.										<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample						=	7			=	8	12 - SU		02/07 - Twice Every Week	GR - GRAB
00400	pH	1 - Effluent Gross	0	--	Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU	0	02/07 - Twice Every Week	GR - GRAB
					Value NODI															
					Sample								=	0	=	0	19 - mg/L		01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	--	Permit Req.								<=	20 MX MO AV	<=	30 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0	=	0	19 - mg/L		01/30 - Monthly	GR - GRAB
00556	Oil & Grease	1 - Effluent Gross	0	--	Permit Req.								<=	10 MX MO AV	<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0			19 - mg/L		01/30 - Monthly	08 - COMP-8
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Permit Req.								<=	.3 MX MO AV			19 - mg/L	0	01/30 - Monthly	08 - COMP-8
					Value NODI															
					Sample	=	0.3988	=	1.099	03 - MGD									01/30 - Monthly	MS - MEASRD
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	01/30 - Monthly	MS - MEASRD
					Value NODI															
					Sample								=	0	=	0	28 - ug/L		01/30 - Monthly	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.								<=	11 MX MO AV	<=	19 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP01.pdf	pdf	1361304

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-02-21 14:19 (Time Zone: -05:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com

DMR Copy of Record

Permit

Permit #:	MD0001881	Permittee:	BTR HAMPSTEAD,LLC.	Facility:	BTR HAMPSTEAD, LLC.
Major:	No	Permittee Address:	626 HANOVER PIKE HAMPSTEAD, MD 21074	Facility Location:	626 HANOVER PIKE HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	Discharge:	001-A5 PROPOSED		

Report Dates & Status

Monitoring Period:	From 01/01/19 to 01/31/19	DMR Due Date:	02/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample														
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Permit Req.							Req Mon DAILY AV		Req Mon WKLY AVG		Req Mon DAILY MX	15 - deg F		24/01 - Hourly	IT - Immersion Stabilization
					Value NODI							C - No Discharge		C - No Discharge		C - No Discharge				
					Sample															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									01/30 - Monthly	MS - MEASRD
					Value NODI		C - No Discharge		C - No Discharge											

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP01.pdf	pdf	1361304

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-02-21 14:20 (Time Zone: -05:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-02-22 06:48 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:	MD0001881	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE HAMPSTEAD, MD 21074
Permitted Feature:	102 External Outfall	**Discharge:**	102-A4 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 01/01/19 to 01/31/19**	**DMR Due Date:**	**04/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	**Title:**	**Telephone:**	
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	5 INST MIN					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge								
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	225 MX WK AV			26 - lb/d			<=	45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	150 MX MO AV			26 - lb/d			<=	30 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00400	pH	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	113 MX WK AV			26 - lb/d			<=	23 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00530	Solids, total suspended	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	1 - Effluent Gross	2	--	Sample															
					Permit Req.			<=	27397 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	75 MX MO AV			26 - lb/d			<=	15 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	--	Sample															
					Permit Req.				Req Mon CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.	<=	21 MX DA AV			26 - lb/d			<=	4.1 MX DA AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00610	Nitrogen, ammonia total [as N]	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	9 MX MO AV			26 - lb/d			<=	1.8 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	2.3 MX WK AV			26 - lb/d			<=	.45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						

DMR Copy of Record

Permit

Permit #:	MD0001881	Permittee:	BTR HAMPSTEAD,LLC.	Facility:	BTR HAMPSTEAD, LLC.
Major:	No	Permittee Address:	626 HANOVER PIKE HAMPSTEAD, MD 21074	Facility Location:	626 HANOVER PIKE CARROLL COUNTY HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	Discharge:	001-A1 16-DP-0022		

Report Dates & Status

Monitoring Period:	From 02/01/19 to 02/28/19	DMR Due Date:	04/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample										=	3	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.										<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.2			=	8.2	12 - SU		02/07 - Twice Every Week	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU	0	02/07 - Twice Every Week	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	10	=	10	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.								<=	20 MX MO AV	<=	30 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample								=	0	=	0	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.								<=	10 MX MO AV	<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	0			19 - mg/L		01/30 - Monthly	08 - COMP-8
					Permit Req.								<=	.3 MX MO AV			19 - mg/L	0	01/30 - Monthly	08 - COMP-8
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.378	=	1.29	03 - MGD									01/30 - Monthly	MS - MEASRD
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	01/30 - Monthly	MS - MEASRD
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0	=	0	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.								<=	11 MX MO AV	<=	19 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP02.pdf	pdf	1363435

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-03-20 10:22 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com

DMR Copy of Record

Permit

Permit #:	**MD0001881**	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE CARROLL COUNTY HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A5** PROPOSED		

Report Dates & Status

Monitoring Period:	**From 02/01/19 to 02/28/19**	**DMR Due Date:**	**03/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	**Title:**	**Telephone:**	
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample														
					Permit Req.							Req Mon DAILY AV		Req Mon WKLY AVG		Req Mon DAILY MX	15 - deg F	24/01 - Hourly	IT - Immersion Stabilization
					Value NODI							C - No Discharge		C - No Discharge		C - No Discharge			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								01/30 - Monthly	MS - MEASRD
					Value NODI		C - No Discharge		C - No Discharge										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP02.pdf	pdf	1363435

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-03-20 10:22 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-03-21 10:39 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:	**MD0001881**	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE CARROLL COUNTY HAMPSTEAD, MD 21074
Permitted Feature:	102 External Outfall	**Discharge:**	**102-A4** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 02/01/19 to 02/28/19**	**DMR Due Date:**	**04/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:		**Title:**		**Telephone:**	
Last Name:					

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	5 INST MIN					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge								
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	225 MX WK AV			26 - lb/d			<=	45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	150 MX MO AV			26 - lb/d			<=	30 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00400	pH	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	113 MX WK AV			26 - lb/d			<=	23 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00530	Solids, total suspended	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	1 - Effluent Gross	2	--	Sample															
					Permit Req.			<=	27397 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	75 MX MO AV			26 - lb/d			<=	15 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	--	Sample															
					Permit Req.				Req Mon CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.	<=	21 MX DA AV			26 - lb/d			<=	4.1 MX DA AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00610	Nitrogen, ammonia total [as N]	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	9 MX MO AV			26 - lb/d			<=	1.8 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	2.3 MX WK AV			26 - lb/d			<=	.45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD

DMR Copy of Record

Permit

Permit #:	MD0001881	Permittee:	BTR HAMPSTEAD,LLC.	Facility:	BTR HAMPSTEAD, LLC.
Major:	No	Permittee Address:	626 HANOVER PIKE HAMPSTEAD, MD 21074	Facility Location:	626 HANOVER PIKE CARROLL COUNTY HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	Discharge:	001-A1 16-DP-0022		

Report Dates & Status

Monitoring Period:	From 03/01/19 to 03/31/19	DMR Due Date:	04/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:	Title:	Telephone:	
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample										=	5	19 - mg/L		01/30 - Monthly	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Permit Req.										<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample						=	7.8			=	8.4	12 - SU		02/07 - Twice Every Week	GR - GRAB
00400	pH	1 - Effluent Gross	0	--	Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU	0	02/07 - Twice Every Week	GR - GRAB
					Value NODI															
					Sample								=	14	=	14	19 - mg/L		01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	--	Permit Req.								<=	20 MX MO AV	<=	30 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0	=	0	19 - mg/L		01/30 - Monthly	GR - GRAB
00556	Oil & Grease	1 - Effluent Gross	0	--	Permit Req.								<=	10 MX MO AV	<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0			19 - mg/L		01/30 - Monthly	08 - COMP-8
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Permit Req.								<=	.3 MX MO AV			19 - mg/L	0	01/30 - Monthly	08 - COMP-8
					Value NODI															
					Sample	=	0.3474	=	1.53	03 - MGD									01/30 - Monthly	MS - MEASRD
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	01/30 - Monthly	MS - MEASRD
					Value NODI															
					Sample								=	0	=	0	28 - ug/L		01/30 - Monthly	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.								<=	11 MX MO AV	<=	19 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP03.pdf	pdf	1941596

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-04-19 11:44 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com

DMR Copy of Record

Permit

Permit #:	**MD0001881**	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE CARROLL COUNTY HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A5** PROPOSED		

Report Dates & Status

Monitoring Period:	**From 03/01/19 to 03/31/19**	**DMR Due Date:**	**04/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	**Title:**	**Telephone:**	
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample														
					Permit Req.							Req Mon DAILY AV		Req Mon WKLY AVG		Req Mon DAILY MX	15 - deg F	24/01 - Hourly	IT - Immersion Stabilization
					Value NODI							C - No Discharge		C - No Discharge		C - No Discharge			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								01/30 - Monthly	MS - MEASRD
					Value NODI		C - No Discharge		C - No Discharge										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP03.pdf	pdf	1941596

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-04-19 11:44 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-04-19 11:47 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:	**MD0001881**	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE CARROLL COUNTY HAMPSTEAD, MD 21074
Permitted Feature:	102 External Outfall	**Discharge:**	**102-A4** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 03/01/19 to 03/31/19**	**DMR Due Date:**	**04/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:		**Title:**		**Telephone:**	
Last Name:					

No Data Indicator (NODI)

Form NODI: –

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Sample															
					Permit Req.						>=	5 INST MIN					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge								
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	–	Sample															
					Permit Req.	<=	225 MX WK AV			26 - lb/d			<=	45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	–	Sample															
					Permit Req.	<=	150 MX MO AV			26 - lb/d			<=	30 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00400	pH	1 - Effluent Gross	0	–	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	–	Sample															
					Permit Req.	<=	113 MX WK AV			26 - lb/d			<=	23 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00530	Solids, total suspended	1 - Effluent Gross	1	–	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	1 - Effluent Gross	2	–	Sample															
					Permit Req.			<=	27397 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	EG - Effluent Gross	0	–	Sample															
					Permit Req.	<=	75 MX MO AV			26 - lb/d			<=	15 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	–	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	–	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	–	Sample															
					Permit Req.				Req Mon CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	–	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	–	Sample															
					Permit Req.	<=	21 MX DA AV			26 - lb/d			<=	4.1 MX DA AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00610	Nitrogen, ammonia total [as N]	EG - Effluent Gross	0	–	Sample															
					Permit Req.	<=	9 MX MO AV			26 - lb/d			<=	1.8 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	–	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	–	Sample															
					Permit Req.	<=	2.3 MX WK AV			26 - lb/d			<=	.45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD

DMR Copy of Record

Permit

Permit #:	**MD0001881**	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE CARROLL COUNTY HAMPSTEAD, MD 21074
Permitted Feature:	201 External Outfall	**Discharge:**	**201-A3** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 01/01/19 to 03/31/19**	**DMR Due Date:**	**04/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	**Title:**	**Telephone:**	
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
34506	1,1,1-Trichloroethane	1 - Effluent Gross	0	--	Sample								=	0	=	0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	5 DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
74076	Flow	1 - Effluent Gross	0	--	Sample	=	0.2777	=	0.3516	03 - MGD									01/90 - Quarterly	MS - MEASRD
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	MS - MEASRD
					Value NODI															
76029	Organics, tot purgeables [Method 624]	1 - Effluent Gross	0	--	Sample								=	0	=	0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	100 DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
78389	Tetrachloroethene	1 - Effluent Gross	0	--	Sample								=	0	=	0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	5 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
78391	Trichloroethene	1 - Effluent Gross	0	--	Sample								=	0	=	0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	5 DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP03.pdf	pdf	1941596

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-04-19 11:43 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-04-19 11:47 (Time Zone: -04:00)

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS (JANUARY - MARCH 2019)

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

January 31, 2019

Maryland Environmental Services-LF Data
Maryland Environmental Services
259 Najoles Road
Millersville, MD 21108

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3011583**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, January 16, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vanessa N Badman (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3011583 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3011583001	BTR 001 Grab	Waste Water	1/16/2019 09:11	1/16/2019 21:20	Collected by Client
3011583002	BTR 001 Comp	Waste Water	1/16/2019 09:11	1/16/2019 21:20	Collected by Client

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax:717-944-1430 - www.alsglobal.com

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SAMPLE SUMMARY

Workorder: 3011583 BTR HAMPSTEAD WWTP

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3011583 BTR HAMPSTEAD WWTP

Lab ID: **3011583001** Date Collected: 1/16/2019 09:11 Matrix: Waste Water

Sample ID: **BTR 001 Grab** Date Received: 1/16/2019 21:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	ND	1	mg/L	2.0	S5210B-11			1/17/19 02:45	BSL	A
Oil/Grease Hexane Extractable	ND		mg/L	1.9	EPA 1664B			1/25/19 07:15	MPP	C
Total Suspended Solids	ND		mg/L	5	S2540D-11			1/23/19 11:42	D1C	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3011583 BTR HAMPSTEAD WWTP

Lab ID: **3011583002** Date Collected: 1/16/2019 09:11 Matrix: Waste Water

Sample ID: **BTR 001 Comp** Date Received: 1/16/2019 21:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	1/29/19 08:00	JXB	1/31/19 09:41	KXK	A1

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3011583 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3011583001	1	BTR 001 Grab	S5210B-11	Biochemical Oxygen Demand

The Glucose-Glutamic Acid control sample associated with this analysis was outside the acceptance limit. Reanalysis was not performed due to holding time restrictions. A bias may exist with the results.

ALS Environmental

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3011583 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3011583001	BTR 001 Grab	EPA 1664B	
3011583001	BTR 001 Grab	S2540D-11	
3011583001	BTR 001 Grab	S5210B-11	
3011583002	BTR 001 Comp	EPA 365.1	EPA 365.1

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 72

3011583

Lab # ALS Client Code

Sampler Garrett Schaller / [illegible]

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP (Monthly)**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time KF 10/2017

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR1	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	1/16/19	0911	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	1/16/19	0911	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	1/16/19	0911	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	1/16/19	0911	TSS

Transferred by: Garrett Schaller	Received by: [signature]	Date 1-16-19	Time 1120	Cooler Receipt Information (LAB USE ONLY)
Transferred by: [signature]	Received by: [signature]	Date 1-16-19	Time 1852	Sufficient ice? - Yes/No If No, temp.= _____
Transferred by: [signature]	Received by: COMMON COURIER / ALS COURIER	Date	Time	Sample containers pres'd? - Yes/No If No, explain
				Custody Seal present/intact? - Yes/No
				Initials: Date: 0°C

COMMON COURIER / ALS COURIER

QW AW 1/16/19 2120

28

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: MES | Work Order #: 3011583 | Initials: [illegible] | Date: 1/18/19

1. Were airbills / tracking numbers present and recorded?	(NONE)	YES	NO
Tracking number:			
2. Are Custody Seals on shipping containers intact?	(NONE)	YES	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
4. Is there a COC (Chain-of-Custody) present?		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		(YES)	NO
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name?		(YES)	NO
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample?		(YES)	NO
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 0C

Thermometer ID: 352

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 1/10/2019

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJ LA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

January 21, 2019

Maryland Environmental Services-LF Data
Maryland Environmental Services
259 Najoles Road
Millersville, MD 21108

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3011605**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, January 16, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

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Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax:717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJ LA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3011605 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3011605001	BTR 201, BTR5	Water	1/16/2019 09:01	1/16/2019 21:20	Collected by Client
3011605002	BTR 201, BTR6	Water	1/16/2019 09:01	1/16/2019 21:20	Collected by Client

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3011605 BTR HAMPSTEAD WWTP

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3011605 BTR HAMPSTEAD WWTP

Lab ID: **3011605001** Date Collected: 1/16/2019 09:01 Matrix: Water

Sample ID: **BTR 201, BTR5** Date Received: 1/16/2019 21:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Bromodichloromethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Bromoform	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Chlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Chlorodibromomethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	2.0	EPA 624			1/19/19 16:55	PDK	A
Chloroform	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,1-Dichloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,1-Dichloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,2-Dichloroethene, Total	ND		ug/L	2.0	EPA 624			1/19/19 16:55	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,2-Dichloropropane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Ethylbenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Tetrachloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Toluene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,1,1-Trichloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
1,1,2-Trichloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Trichloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Trichlorofluoromethane	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A
Vinyl Chloride	ND		ug/L	1.0	EPA 624			1/19/19 16:55	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	64.5	2	%	72 - 142	EPA 624			1/19/19 16:55	PDK	A
4-Bromofluorobenzene (S)	109		%	73 - 119	EPA 624			1/19/19 16:55	PDK	A
Dibromofluoromethane (S)	73.4	1	%	74 - 132	EPA 624			1/19/19 16:55	PDK	A
Toluene-d8 (S)	83.5		%	75 - 133	EPA 624			1/19/19 16:55	PDK	A

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3011605 BTR HAMPSTEAD WWTP

Lab ID:	**3011605001**	Date Collected:	1/16/2019 09:01	Matrix:	Water
Sample ID:	**BTR 201, BTR5**	Date Received:	1/16/2019 21:20		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3011605 BTR HAMPSTEAD WWTP

Lab ID: **3011605002** Date Collected: 1/16/2019 09:01 Matrix: Water

Sample ID: **BTR 201, BTR6** Date Received: 1/16/2019 21:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Bromodichloromethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Bromoform	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Chlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Chlorodibromomethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	2.0	EPA 624			1/19/19 16:33	PDK	A
Chloroform	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,1-Dichloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,1-Dichloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,2-Dichloroethene, Total	ND		ug/L	2.0	EPA 624			1/19/19 16:33	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,2-Dichloropropane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Ethylbenzene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Tetrachloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Toluene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,1,1-Trichloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
1,1,2-Trichloroethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Trichloroethene	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Trichlorofluoromethane	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A
Vinyl Chloride	ND		ug/L	1.0	EPA 624			1/19/19 16:33	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	66.4	1	%	72 - 142	EPA 624			1/19/19 16:33	PDK	A
4-Bromofluorobenzene (S)	116		%	73 - 119	EPA 624			1/19/19 16:33	PDK	A
Dibromofluoromethane (S)	74.6		%	74 - 132	EPA 624			1/19/19 16:33	PDK	A
Toluene-d8 (S)	87		%	75 - 133	EPA 624			1/19/19 16:33	PDK	A

ALS Environmental

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3011605 BTR HAMPSTEAD WWTP

Lab ID:	**3011605002**	Date Collected:	1/16/2019 09:01	Matrix:	Water
Sample ID:	**BTR 201, BTR6**	Date Received:	1/16/2019 21:20		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ANALYTICAL RESULTS

Workorder: 3011605 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3011605001	1	BTR 201, BTR5	EPA 624	Dibromofluoromethane
The surrogate Dibromofluoromethane for method EPA 624 was outside of control limits. The % Recovery was reported as 73.4 and the control limits were 74 to 132. This result was reported at a dilution of 1.				
3011605001	2	BTR 201, BTR5	EPA 624	1,2-Dichloroethane-d4
The surrogate 1,2-Dichloroethane-d4 for method EPA 624 was outside of control limits. The % Recovery was reported as 64.5 and the control limits were 72 to 142. This result was reported at a dilution of 1.				
3011605002	1	BTR 201, BTR6	EPA 624	1,2-Dichloroethane-d4
The surrogate 1,2-Dichloroethane-d4 for method EPA 624 was outside of control limits. The % Recovery was reported as 66.4 and the control limits were 72 to 142. This result was reported at a dilution of 1.				

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3011605 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3011605001	BTR 201, BTR5	EPA 624	
3011605002	BTR 201, BTR6	EPA 624	

CHAIN OF CUSTODY / SAMPLE INFORMATION FOR

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410)

3011605

Lab # ALS Client Code

Sampler Garrett Schaller

Client Name/Phone/FAX Maryland Environmental Service

Project Name BTR WWTP

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR5	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	1/16/19	0901	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
[redacted]								
BTR6	BTR 201	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3	1/16/19	0901	Total Volatiles Organics EPA 624 Purgeables

Transferred by: Garrett Schaller	Received by: [signature]	Date 1-16-19	Time 1520
Transferred by: [signature]	Received by: [signature]	Date 1-16-19	Time 1532
Transferred by: [signature]	Received by: COMMON COURIER / ALS COURIER	Date	Time

Cooler Receipt Information (LAB USE ONLY)
Sufficient ice? - Yes/No If No, temp.= _____
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date: 1°C

COMMON COURIER / ALS COURIER

gw AO 1/16/19 2120

ALS

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: MES | Work Order #: 3011605 | Initials: [illegible] | Date: 1/18/19

1. Were airbills / tracking numbers present and recorded?	(NONE)	YES	NO
Tracking number:			
2. Are Custody Seals on shipping containers intact?	(NONE)	YES	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
4. Is there a COC (Chain-of-Custody) present?		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		(YES)	NO
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name?		(YES)	NO
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample?		(YES)	NO
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 1°C

Thermometer ID: 352

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 1/10/2019

ALS Environmental

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March 4, 2019

Maryland Environmental Services-LF Data
Maryland Environmental Services
259 Najoles Road
Millersville, MD 21108

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3017834**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Thursday, February 21, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vanessa N Badman (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3017834 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3017834001	BTR 001	Waste Water	2/21/2019 08:14	2/21/2019 22:30	Collected by Client
3017834002	BTR 001	Waste Water	2/21/2019 08:11	2/21/2019 22:30	Collected by Client

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3017834 BTR HAMPSTEAD WWTP

Notes

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N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
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ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3017834 BTR HAMPSTEAD WWTP

Lab ID: **3017834001** Date Collected: 2/21/2019 08:14 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 2/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Biochemical Oxygen Demand	3.2	1	mg/L	2.0	S5210B-11			2/22/19 14:50	DXC	A
Oil/Grease Hexane Extractable	ND		mg/L	1.9	EPA 1664B			2/26/19 15:00	ELS	C
Total Suspended Solids	10		mg/L	5	S2540D-11			2/26/19 12:44	D1C	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3017834 BTR HAMPSTEAD WWTP

Lab ID: **3017834002** Date Collected: 2/21/2019 08:11 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 2/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	2/27/19 12:00	RXB	3/3/19 06:41	KXK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3017834 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3017834001	1	BTR 001	S5210B-11	Biochemical Oxygen Demand

The Glucose-Glutamic Acid control sample associated with this analysis was outside the acceptance limit. Reanalysis was not performed due to holding time restrictions. A bias may exist with the results.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3017834 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3017834001	BTR 001	EPA 1664B	
3017834001	BTR 001	S2540D-11	
3017834001	BTR 001	S5210B-11	
3017834002	BTR 001	EPA 365.1	EPA 365.1

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-83

30178 34

Lab # (AL) Client Code	Sampler Garrett Scheller 2500
Client Name/Phone/FAX Maryland Environmental Service	Project Name **BTR WWTP (Monthly)**
Client Address	Project Number 593-9384-1700
Invoice Address	Sample Turnaround Time KF 10/2017

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR1	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	2/21/19	0814	BOD
BTR2	↓	Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	2/21/19	0811	TP
BTR3	↓	Monthly Grab	1 Liter Glass H2S04	WW	1	2/21/19	0814	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	2/21/19	0814	TSS

Transferred by:	Received by:	Date	Time	Cooler Receipt Information (LAB USE ONLY)
Transferred by: Garrett Scheller	Received by: [signature]	2/21/19	1123	Sufficient ice? - Yes/No If No, temp.= [illegible]
Transferred by: [signature]	Received by: [signature]	Date 2/21	Time 1328	Sample containers pres'd? - Yes/No If No, explain
Transferred by: [signature] ALS	Received by: COMMON COURIER / ALS COURIER	Date 2/21	Time	Custody Seal present/intact? - Yes/No
				Initials: Date:

COMMON COURIER / ALS COURIER [signature] 2/21/19 2230

89

ALS

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: MES | Work Order #: 3017834 | Initials: NB | Date: 2/22/19

1. Were airbills / tracking numbers present and recorded?	NONE	YES	NO
Tracking number:			
2. Are Custody Seals on shipping containers intact?	NONE	YES	NO
3. Are Custody Seals on sample containers intact?	NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present?		YES	NO
5. Are the COC and bottle labels complete, legible and in agreement?		YES	NO
5a. Does the COC contain sample locations?		YES	NO
5b. Does the COC contain date and time of sample collection for all samples?		YES	NO
5c. Does the COC contain sample collectors name?		YES	NO
5d. Does the COC note the type(s) of preservation for all bottles?		YES	NO
5e. Does the COC note the number of bottles submitted for each sample?		YES	NO
5f. Does the COC note the type of sample, composite or grab?		YES	NO
5g. Does the COC note the matrix of the sample(s)?		YES	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	YES	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		YES	NO
8. Are all samples within holding times for the requested analyses?		YES	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		YES	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	N/A	YES	NO
11. Were the samples received on ice?		YES	NO
12. Were sample temperatures measured at 0.0-6.0°C		YES	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	NO
13a. Are the samples required for SDWA compliance reporting?	N/A	YES	NO
13b. Did the client provide a SDWA PWS ID#?	N/A	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	N/A	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	N/A	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	N/A	YES	NO

Cooler #:

Temperature (°C): 1

Thermometer ID: 352

COMMENTS (Required for all NO responses above and any sample non-conformance):

Did ~~not~~ Receive bottle for O+G. -NOT LOGGED IN. -JAS/AG 2/22/19

Rev. 1/10/2019

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February 25, 2019

Maryland Environmental Services-LF Data
Maryland Environmental Services
259 Najoles Road
Millersville, MD 21108

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3017841**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Thursday, February 21, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vanessa N Badman (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3017841001	BTR 201	Water	2/21/2019 07:55	2/21/2019 22:30	Collected by Client

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SAMPLE SUMMARY

Workorder: 3017841 BTR HAMPSTEAD WWTP

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID: **3017841001** Date Collected: 2/21/2019 07:55 Matrix: Water

Sample ID: **BTR 201** Date Received: 2/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Bromodichloromethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Bromoform	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chlorodibromomethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	2.0	EPA 624			2/23/19 02:20	PDK	A
Chloroform	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1-Dichloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1-Dichloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,2-Dichloroethene, Total	ND		ug/L	2.0	EPA 624			2/23/19 02:20	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,2-Dichloropropane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Ethylbenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Tetrachloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Toluene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1,1-Trichloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1,2-Trichloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Trichloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Trichlorofluoromethane	ND	1	ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Vinyl Chloride	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	117		%	72 - 142	EPA 624			2/23/19 02:20	PDK	A
4-Bromofluorobenzene (S)	94.9		%	73 - 119	EPA 624			2/23/19 02:20	PDK	A
Dibromofluoromethane (S)	106		%	74 - 132	EPA 624			2/23/19 02:20	PDK	A
Toluene-d8 (S)	63.8	2	%	75 - 133	EPA 624			2/23/19 02:20	PDK	A

ALS Environmental

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID: **3017841001** Date Collected: 2/21/2019 07:55 Matrix: Water

Sample ID: **BTR 201** Date Received: 2/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3017841 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3017841001	1	BTR 201	EPA 624	Trichlorofluoromethane

The QC sample type LCS for method EPA 624 was outside the control limits for the analyte Trichlorofluoromethane. The % Recovery was reported as 65 and the control limits were 70 to 131.

3017841001	2	BTR 201	EPA 624	Toluene-d8

The surrogate Toluene-d8 for method EPA 624 was outside of control limits. The % Recovery was reported as 63.8 and the control limits were 75 to 133. This result was reported at a dilution of 1.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3017841001	BTR 201	EPA 624	

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 7

3017841

Lab # _____ Client Code _____ Sampler Garrett Scheller 2500

Client Name/Phone/FAX Maryland Environmental Service — Project Name **BTR WWTP**

Client Address — Project Number 593-9384-1700

Invoice Address — Sample Turnaround Time

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR5	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	2/21/19	0755	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
	[redacted]	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3			Volatiles Organics EPA 624 Purgeables
	[redacted]	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3			Total Volatiles Organics EPA 624 Purgeables

Transferred by: Garrett Scheller	Received by:	Date 2/21/19	Time 1135
Transferred by:	Received by:	Date 2/21	Time 1350
Transferred by:	Received by: COMMON COURIER / ALS COURIER	Date 2/21	Time

Cooler Receipt Information (LAB USE ONLY)
Sufficient ice? - Yes/No If No, temp.= 0° 1350
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date:

COMMON COURIER / ALS COURIER GW 825 2/21/19 2235

ALS

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client:	Work Order #:	Initials:	Date:
MES	3017841	NB	2/22/19

1. Were airbills / tracking numbers present and recorded?	NONE	YES	NO
Tracking number:			
2. Are Custody Seals on shipping containers intact?	NONE	YES	NO
3. Are Custody Seals on sample containers intact?	NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present?		YES	NO
5. Are the COC and bottle labels complete, legible and in agreement?		YES	NO
5a. Does the COC contain sample locations?		YES	NO
5b. Does the COC contain date and time of sample collection for all samples?		YES	NO
5c. Does the COC contain sample collectors name?		YES	NO
5d. Does the COC note the type(s) of preservation for all bottles?		YES	NO
5e. Does the COC note the number of bottles submitted for each sample?		YES	NO
5f. Does the COC note the type of sample, composite or grab?		YES	NO
5g. Does the COC note the matrix of the sample(s)?		YES	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	YES	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		YES	NO
8. Are all samples within holding times for the requested analyses?		YES	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		YES	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	N/A	YES	NO
11. Were the samples received on ice?		YES	NO
12. Were sample temperatures measured at 0.0-6.0°C		YES	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	NO
13a. Are the samples required for SDWA compliance reporting?	N/A	YES	NO
13b. Did the client provide a SDWA PWS ID#?	N/A	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	N/A	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	N/A	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	N/A	YES	NO

Cooler #: _____

Temperature (°C): 0

Thermometer ID: 352

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 1/10/2019

ALS Environmental

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February 25, 2019

Maryland Environmental Services-LF Data
Maryland Environmental Services
259 Najoles Road
Millersville, MD 21108

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3017841**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Thursday, February 21, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vanessa N Badman (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3017841001	BTR 201	Water	2/21/2019 07:55	2/21/2019 22:30	Collected by Client

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3017841 BTR HAMPSTEAD WWTP

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID: **3017841001** Date Collected: 2/21/2019 07:55 Matrix: Water

Sample ID: **BTR 201** Date Received: 2/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Bromodichloromethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Bromoform	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chlorodibromomethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	2.0	EPA 624			2/23/19 02:20	PDK	A
Chloroform	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1-Dichloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1-Dichloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,2-Dichloroethene, Total	ND		ug/L	2.0	EPA 624			2/23/19 02:20	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,2-Dichloropropane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Ethylbenzene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Tetrachloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Toluene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1,1-Trichloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
1,1,2-Trichloroethane	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Trichloroethene	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Trichlorofluoromethane	ND	1	ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A
Vinyl Chloride	ND		ug/L	1.0	EPA 624			2/23/19 02:20	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	117		%	72 - 142	EPA 624			2/23/19 02:20	PDK	A
4-Bromofluorobenzene (S)	94.9		%	73 - 119	EPA 624			2/23/19 02:20	PDK	A
Dibromofluoromethane (S)	106		%	74 - 132	EPA 624			2/23/19 02:20	PDK	A
Toluene-d8 (S)	63.8	2	%	75 - 133	EPA 624			2/23/19 02:20	PDK	A

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID:	**3017841001**	Date Collected:	2/21/2019 07:55	Matrix:	Water
Sample ID:	**BTR 201**	Date Received:	2/21/2019 22:30		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3017841 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3017841001	1	BTR 201	EPA 624	Trichlorofluoromethane

The QC sample type LCS for method EPA 624 was outside the control limits for the analyte Trichlorofluoromethane. The % Recovery was reported as 65 and the control limits were 70 to 131.

3017841001	2	BTR 201	EPA 624	Toluene-d8

The surrogate Toluene-d8 for method EPA 624 was outside of control limits. The % Recovery was reported as 63.8 and the control limits were 75 to 133. This result was reported at a dilution of 1.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3017841 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3017841001	BTR 201	EPA 624	

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 7

3017841

Lab # _____ Client Code _____

Sampler Garrett Scheller 2500

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR5	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	2/21/19	0755	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
	[redacted]	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3			Volatiles Organics - EPA 624 Purgeables
	[redacted]	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3			Total Volatiles Organics - EPA 624 Purgeables

Transferred by: Garrett Scheller	Received by:	Date 2/21/19	Time 1135
Transferred by:	Received by:	Date 2/21	Time 1350
Transferred by:	Received by: COMMON COURIER / ALS COURIER	Date 2/21	Time

Cooler Receipt Information (LAB USE ONLY)
Sufficient ice? - Yes/No If No, temp.= 0° 1352
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date:

COMMON COURIER / ALS COURIER GW 825 2/21/19 2231

ALS

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client:	Work Order #:	Initials:	Date:
MES	3017841	NB	2/22/19

1. Were airbills / tracking numbers present and recorded?	NONE	YES	NO
Tracking number:			
2. Are Custody Seals on shipping containers intact?	NONE	YES	NO
3. Are Custody Seals on sample containers intact?	NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present?		YES	NO
5. Are the COC and bottle labels complete, legible and in agreement?		YES	NO
5a. Does the COC contain sample locations?		YES	NO
5b. Does the COC contain date and time of sample collection for all samples?		YES	NO
5c. Does the COC contain sample collectors name?		YES	NO
5d. Does the COC note the type(s) of preservation for all bottles?		YES	NO
5e. Does the COC note the number of bottles submitted for each sample?		YES	NO
5f. Does the COC note the type of sample, composite or grab?		YES	NO
5g. Does the COC note the matrix of the sample(s)?		YES	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	YES	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		YES	NO
8. Are all samples within holding times for the requested analyses?		YES	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		YES	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	N/A	YES	NO
11. Were the samples received on ice?		YES	NO
12. Were sample temperatures measured at 0.0-6.0°C		YES	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	NO
13a. Are the samples required for SDWA compliance reporting?	N/A	YES	NO
13b. Did the client provide a SDWA PWS ID#?	N/A	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	N/A	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	N/A	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	N/A	YES	NO

Cooler #: _____

Temperature (°C): 0

Thermometer ID: 352

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 1/10/2019

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJ LA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

March 19, 2019

Maryland Environmental Services-LF Data
Maryland Environmental Services
259 Najoles Road
Millersville, MD 21108

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3020119**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 5, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vanessa N Badman (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3020119 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3020119001	BTR 001	Waste Water	3/5/2019 09:04	3/5/2019 22:20	Collected by Client

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3020119 BTR HAMPSTEAD WWTP

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3020119 BTR HAMPSTEAD WWTP

Lab ID: **3020119001** Date Collected: 3/5/2019 09:04 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 3/5/2019 22:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	4.7		mg/L	2.0	S5210B-11			3/6/19 13:59	DXC	A
Oil/Grease Hexane Extractable	ND		mg/L	1.9	EPA 1664B			3/14/19 10:00	ELS	
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	3/12/19 14:20	JXB	3/18/19 06:36	KXK	D
Total Suspended Solids	14		mg/L	5	S2540D-11			3/8/19 12:59	D1C	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3020119 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3020119001	BTR 001	EPA 1664B	
3020119001	BTR 001	EPA 365.1	EPA 365.1
3020119001	BTR 001	S2540D-11	
3020119001	BTR 001	S5210B-11	

CHAIN OF CUSTODY RMATION FORM

0119

Maryland Environmental Service • 529 Najoles
(410) 729-8200 • FAX (410) 729-8340

3020119

Lab # ALS Client Code Sampler: Garrett Schaller 2600

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP (Monthly)**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time KF 10/2017

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR1	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	3/5/19	0904	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	3/5/19	0904	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	3/5/19	0904	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	3/5/19	0904	TSS

Transferred by: Garrett Schaller	Received by:	Date 3-5-19	Time 10:50
Transferred by:	Received by:	Date 3/5	Time 1644
Transferred by: 3/5	Received by: COMMON COURIER ALS COURIER	Date	Time

Cooler Receipt Information (LAB USE ONLY)
Sufficient ice? - Yes/No If No, temp.= _____
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: I.C Date: 352

COMMON COURIER ALS COURIER GW AO 3/5/19 2220

H5

ALS

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: MES Work Order #: 3020119 Initials: ON Date: 3/6

1. Were airbills / tracking numbers present and recorded?	(NONE)	YES	NO
Tracking number: _____			
2. Are Custody Seals on shipping containers intact?	(NONE)	YES	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
~~4. Is there a COC (Chain-of-Custody) present?~~		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		(YES)	NO
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name?		YES	(NO)
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample?		(YES)	NO
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 1

Thermometer ID: 352

COMMENTS (Required for all NO responses above and any sample non-conformance):

Collected by Client.

Rev. 1/10/2019

ALS Environmental

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

March 11, 2019

Maryland Environmental Services-LF Data
Maryland Environmental Services
259 Najoles Road
Millersville, MD 21108

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3020121**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 5, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vanessa N Badman (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3020121 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3020121001	BTR 201	Water	3/5/2019 08:54	3/5/2019 22:20	Collected by Client

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SAMPLE SUMMARY

Workorder: 3020121 BTR HAMPSTEAD WWTP

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3020121 BTR HAMPSTEAD WWTP

Lab ID: **3020121001** Date Collected: 3/5/2019 08:54 Matrix: Water

Sample ID: **BTR 201** Date Received: 3/5/2019 22:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Bromodichloromethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Bromoform	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Chlorobenzene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Chlorodibromomethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	2.0	EPA 624			3/8/19 11:48	PDK	A
Chloroform	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,1-Dichloroethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,1-Dichloroethene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,2-Dichloroethene, Total	ND		ug/L	2.0	EPA 624			3/8/19 11:48	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,2-Dichloropropane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Ethylbenzene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Tetrachloroethene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Toluene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,1,1-Trichloroethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
1,1,2-Trichloroethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Trichloroethene	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Trichlorofluoromethane	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A
Vinyl Chloride	ND		ug/L	1.0	EPA 624			3/8/19 11:48	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	85.9		%	72 - 142	EPA 624			3/8/19 11:48	PDK	A
4-Bromofluorobenzene (S)	100		%	73 - 119	EPA 624			3/8/19 11:48	PDK	A
Dibromofluoromethane (S)	100		%	74 - 132	EPA 624			3/8/19 11:48	PDK	A
Toluene-d8 (S)	92.7		%	75 - 133	EPA 624			3/8/19 11:48	PDK	A

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ANALYTICAL RESULTS

Workorder: 3020121 BTR HAMPSTEAD WWTP

Lab ID:	**3020121001**	Date Collected:	3/5/2019 08:54	Matrix:	Water
Sample ID:	**BTR 201**	Date Received:	3/5/2019 22:20		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3020121 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3020121001	BTR 201	EPA 624	

CHAIN OF CUSTODY / SAMPLE INFORMATION F[illegible]

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX [illegible]

3020121

Lab # ALS	Client Code
Sampler Garrett Scheller	2500
Client Name/Phone/FAX Maryland Environmental Service	Project Name BTR WWTP
Client Address	Project Number 593-9384-1700
Invoice Address	Sample Turnaround Time

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR5	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	3/5/19	0854	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
	[illegible]	Q[illegible]	40ml [illegible]	WW	[illegible]			[illegible]tiles Organics, EPA 624, Purgeables
	[illegible]	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3			Total Volatiles Organics EPA 624 Purgeables

Transferred by: Garrett Scheller	Received by: [signature]	Date 3/5/19	Time 10:50	Cooler Receipt Information (LAB USE ONLY) Sufficient ice? - Yes/No If No, temp.=
Transferred by: [signature]	Received by: [signature]	Date 3/5	Time 1644	Sample containers pres'd? - Yes/No If No, explain
Transferred by: [signature] 3/5	Received by: COMMON COURIER (ALS COURIER)	Date	Time	Custody Seal present/intact? - Yes/No 3°C Initials: Date: 332

COMMON COURIER (ALS COURIER) gw ALS 3/5/19 2220

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: MES | Work Order #: 3020121 | Initials: ON | Date: 3/6

1. Were airbills / tracking numbers present and recorded?	(NONE)	YES	NO
Tracking number:			
2. Are Custody Seals on shipping containers intact?	(NONE)	YES	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
~~4. Is there a COC (Chain-of-Custody) present?~~		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		(YES)	NO
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name?		YES	(NO)
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample?		(YES)	NO
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: ____

Temperature (°C): 3

Thermometer ID: 352

COMMENTS (Required for all NO responses above and any sample non-conformance):

Collected by Client.

Rev. 1/10/2019

APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(FEBRUARY 2019)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-158614-1
Client Project/Site: Black and Decker

For:
Weston Solutions, Inc.
1400 Weston Way
PO BOX 2653
West Chester, Pennsylvania 19380

Attn: Mr. Richard Merhar

Authorized for release by:
2/25/2019 2:13:01 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

Table of Contents

Job ID: 500-158614-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-158614-1

Receipt
The samples were received on 2/12/2019 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.3° C.

GC/MS VOA
Method(s) 8260B: Methylene Chloride and Acetone were detected above the method detection limit (MDL) but below the reporting limit (RL) in the following samples: EW-2 (500-158614-1), EW-3 (500-158614-2), EW-5 (500-158614-4), EW-6 (500-158614-5), EW-7 (500-158614-6), EW-8 (500-158614-7), EW-9 Dup (500-158614-9), EW-10 (500-158614-10), RFW-1A (500-158614-11), RFW-1B (500-158614-12) and RFW-2A (500-158614-13). The method blanks associated with these samples were non-detect for these compounds. Methylene Chloride and Acetone are known lab contaminants; therefore all low level detects for these compounds should be suspected as lab contamination.

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

Client Sample ID: EW-2 — Lab Sample ID: 500-158614-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J	10	1.7	ug/L	1		8260B	Total/NA
Chloroform	0.37	J	2.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.41	ug/L	1		8260B	Total/NA
m&p-Xylene	0.19	J	1.0	0.18	ug/L	1		8260B	Total/NA
Methylene Chloride	1.6	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	47		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	82		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-3 — Lab Sample ID: 500-158614-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.41	ug/L	1		8260B	Total/NA
Methylene Chloride	1.6	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.65	J	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	12		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-4 — Lab Sample ID: 500-158614-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.1		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene - DL	190		5.0	1.6	ug/L	10		8260B	Total/NA

Client Sample ID: EW-5 — Lab Sample ID: 500-158614-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.9		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	63		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-6 — Lab Sample ID: 500-158614-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J	10	1.7	ug/L	1		8260B	Total/NA
Chloroform	0.45	J	2.0	0.37	ug/L	1		8260B	Total/NA
Tetrachloroethene	9.3		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	3.9		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-7 — Lab Sample ID: 500-158614-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.46	J	2.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L	1		8260B	Total/NA
Methylene Chloride	1.6	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.2		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.98		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-8 — Lab Sample ID: 500-158614-7

This Detection Summary does not include radiochemical test results.

Client Sample ID: EW-8 (Continued) — Lab Sample ID: 500-158614-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.62	J	1.0	0.41	ug/L	1		8260B	Total/NA
Acetone	2.6	J	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	17		1.0	0.41	ug/L	1		8260B	Total/NA
Methylene Chloride	1.6	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	40		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	3.7		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-9 — Lab Sample ID: 500-158614-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	71		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.59		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-9 Dup — Lab Sample ID: 500-158614-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	1.6	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	77		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.60		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-10 — Lab Sample ID: 500-158614-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	1.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.5		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-1A — Lab Sample ID: 500-158614-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	1.7	ug/L	1		8260B	Total/NA
Chloroform	0.99	J	2.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-1B — Lab Sample ID: 500-158614-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	1.7	ug/L	1		8260B	Total/NA
Chloroform	0.98	J	2.0	0.37	ug/L	1		8260B	Total/NA
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-2A — Lab Sample ID: 500-158614-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	1.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-2B — Lab Sample ID: 500-158614-14

This Detection Summary does not include radiochemical test results.

Client Sample ID: RFW-2B (Continued) — Lab Sample ID: 500-158614-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.17	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-3B — Lab Sample ID: 500-158614-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.98	J	1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A — Lab Sample ID: 500-158614-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.50	J	2.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.76	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	15		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	22		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A Dup — Lab Sample ID: 500-158614-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.50	J	2.0	0.37	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.81	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	13		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	21		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4B — Lab Sample ID: 500-158614-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.48	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.4		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.37	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-6 — Lab Sample ID: 500-158614-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.46	J	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.27	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-7 — Lab Sample ID: 500-158614-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-9 — Lab Sample ID: 500-158614-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.72	J	1.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.8		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	3.3		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-11B — Lab Sample ID: 500-158614-22

This Detection Summary does not include radiochemical test results.

Client Sample ID: RFW-11B (Continued) — Lab Sample ID: 500-158614-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.70		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-12B — Lab Sample ID: 500-158614-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.9		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.4		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	73		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-13 — Lab Sample ID: 500-158614-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.80	J	2.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.6		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	7.0		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.6		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-17 — Lab Sample ID: 500-158614-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.45	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-158614-26

No Detections.

This Detection Summary does not include radiochemical test results.

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-158614-1	EW-2	Water	02/11/19 14:00	02/12/19 10:35
500-158614-2	EW-3	Water	02/11/19 10:20	02/12/19 10:35
500-158614-3	EW-4	Water	02/11/19 09:15	02/12/19 10:35
500-158614-4	EW-5	Water	02/11/19 08:50	02/12/19 10:35
500-158614-5	EW-6	Water	02/10/19 14:15	02/12/19 10:35
500-158614-6	EW-7	Water	02/10/19 14:10	02/12/19 10:35
500-158614-7	EW-8	Water	02/10/19 14:05	02/12/19 10:35
500-158614-8	EW-9	Water	02/10/19 13:55	02/12/19 10:35
500-158614-9	EW-9 Dup	Water	02/10/19 13:55	02/12/19 10:35
500-158614-10	EW-10	Water	02/10/19 13:45	02/12/19 10:35
500-158614-11	RFW-1A	Water	02/10/19 10:40	02/12/19 10:35
500-158614-12	RFW-1B	Water	02/10/19 10:45	02/12/19 10:35
500-158614-13	RFW-2A	Water	02/10/19 12:15	02/12/19 10:35
500-158614-14	RFW-2B	Water	02/10/19 12:30	02/12/19 10:35
500-158614-15	RFW-3B	Water	02/10/19 13:30	02/12/19 10:35
500-158614-16	RFW-4A	Water	02/11/19 11:20	02/12/19 10:35
500-158614-17	RFW-4A Dup	Water	02/11/19 11:20	02/12/19 10:35
500-158614-18	RFW-4B	Water	02/11/19 12:05	02/12/19 10:35
500-158614-19	RFW-6	Water	02/10/19 11:30	02/12/19 10:35
500-158614-20	RFW-7	Water	02/10/19 09:50	02/12/19 10:35
500-158614-21	RFW-9	Water	02/11/19 08:40	02/12/19 10:35
500-158614-22	RFW-11B	Water	02/11/19 10:10	02/12/19 10:35
500-158614-23	RFW-12B	Water	02/11/19 13:10	02/12/19 10:35
500-158614-24	RFW-13	Water	02/10/19 15:30	02/12/19 10:35
500-158614-25	RFW-17	Water	02/10/19 16:30	02/12/19 10:35
500-158614-26	Trip Blank	Water	02/10/19 07:00	02/12/19 10:35

Client Sample ID: EW-2
Date Collected: 02/11/19 14:00
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-1
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 15:02	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 15:02	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 15:02	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 15:02	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 15:02	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 15:02	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 15:02	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 15:02	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 15:02	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 15:02	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:02	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 15:02	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 15:02	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 15:02	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 15:02	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 15:02	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 15:02	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:02	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 15:02	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:02	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 15:02	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 15:02	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 15:02	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 15:02	1
Acetone	**4.8**	**J**	10	1.7	ug/L			02/15/19 15:02	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 15:02	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:02	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 15:02	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 15:02	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 15:02	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 15:02	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 15:02	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 15:02	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:02	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 15:02	1
Chloroform	**0.37**	**J**	2.0	0.37	ug/L			02/15/19 15:02	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 15:02	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.41	ug/L			02/15/19 15:02	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 15:02	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 15:02	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 15:02	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 15:02	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 15:02	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 15:02	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:02	1
m&p-Xylene	**0.19**	**J**	1.0	0.18	ug/L			02/15/19 15:02	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 15:02	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 15:02	1
Methylene Chloride	**1.6**	**J**	5.0	1.6	ug/L			02/15/19 15:02	1

Client: Weston Solutions, Inc.
Project/Site: Black and Decker

TestAmerica Job ID: 500-158614-1

Client Sample ID: EW-2
Date Collected: 02/11/19 14:00
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-1
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 15:02	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:02	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 15:02	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 15:02	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 15:02	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:02	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 15:02	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:02	1
Tetrachloroethene	**47**		1.0	0.37	ug/L			02/15/19 15:02	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 15:02	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 15:02	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 15:02	1
Trichloroethene	**82**		0.50	0.16	ug/L			02/15/19 15:02	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 15:02	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*75 - 126*		*02/15/19 15:02*	*1*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*02/15/19 15:02*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/15/19 15:02*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*02/15/19 15:02*	*1*

Client Sample ID: EW-3
Date Collected: 02/11/19 10:20
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-2
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 15:27	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 15:27	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 15:27	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 15:27	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 15:27	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 15:27	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 15:27	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 15:27	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 15:27	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 15:27	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:27	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 15:27	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 15:27	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 15:27	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 15:27	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 15:27	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 15:27	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:27	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 15:27	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:27	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 15:27	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 15:27	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 15:27	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 15:27	1
Acetone	**3.3**	**J**	10	1.7	ug/L			02/15/19 15:27	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 15:27	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:27	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 15:27	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 15:27	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 15:27	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 15:27	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 15:27	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 15:27	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:27	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 15:27	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 15:27	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 15:27	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.41	ug/L			02/15/19 15:27	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 15:27	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 15:27	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 15:27	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 15:27	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 15:27	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 15:27	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:27	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 15:27	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 15:27	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 15:27	1
Methylene Chloride	**1.6**	**J**	5.0	1.6	ug/L			02/15/19 15:27	1

Client Sample ID: EW-3
Date Collected: 02/11/19 10:20
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-2
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 15:27	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:27	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 15:27	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 15:27	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 15:27	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:27	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 15:27	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:27	1
Tetrachloroethene	**0.65**	**J**	1.0	0.37	ug/L			02/15/19 15:27	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 15:27	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 15:27	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 15:27	1
Trichloroethene	**12**		0.50	0.16	ug/L			02/15/19 15:27	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 15:27	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*		*02/15/19 15:27*	*1*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*02/15/19 15:27*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/15/19 15:27*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*02/15/19 15:27*	*1*

Client Sample ID: EW-4
Date Collected: 02/11/19 09:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-3
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 15:52	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 15:52	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 15:52	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 15:52	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 15:52	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 15:52	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 15:52	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 15:52	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 15:52	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 15:52	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:52	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 15:52	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 15:52	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 15:52	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 15:52	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 15:52	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 15:52	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:52	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 15:52	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:52	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 15:52	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 15:52	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 15:52	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 15:52	1
Acetone	<10		10	1.7	ug/L			02/15/19 15:52	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 15:52	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 15:52	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 15:52	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 15:52	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 15:52	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 15:52	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 15:52	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 15:52	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:52	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 15:52	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 15:52	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 15:52	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 15:52	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 15:52	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 15:52	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 15:52	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 15:52	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 15:52	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 15:52	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:52	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 15:52	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 15:52	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 15:52	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/15/19 15:52	1

Client Sample ID: EW-4
Date Collected: 02/11/19 09:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-3
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 15:52	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 15:52	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 15:52	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 15:52	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 15:52	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:52	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 15:52	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 15:52	1
Tetrachloroethene	**5.1**		1.0	0.37	ug/L			02/15/19 15:52	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 15:52	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 15:52	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 15:52	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 15:52	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*		*02/15/19 15:52*	*1*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*02/15/19 15:52*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/15/19 15:52*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/15/19 15:52*	*1*

Method: 8260B - VOC - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**190**		5.0	1.6	ug/L			02/19/19 11:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*02/19/19 11:42*	*10*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*02/19/19 11:42*	*10*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/19 11:42*	*10*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/19/19 11:42*	*10*

Client Sample ID: EW-5
Date Collected: 02/11/19 08:50
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-4
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 16:18	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 16:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 16:18	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 16:18	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 16:18	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 16:18	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 16:18	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 16:18	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 16:18	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 16:18	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 16:18	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 16:18	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 16:18	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 16:18	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 16:18	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 16:18	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 16:18	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 16:18	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 16:18	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 16:18	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 16:18	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 16:18	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 16:18	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 16:18	1
Acetone	<10		10	1.7	ug/L			02/15/19 16:18	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 16:18	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 16:18	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 16:18	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 16:18	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 16:18	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 16:18	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 16:18	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 16:18	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 16:18	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 16:18	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 16:18	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 16:18	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 16:18	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 16:18	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 16:18	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 16:18	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 16:18	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 16:18	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 16:18	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 16:18	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 16:18	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 16:18	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 16:18	1
Methylene Chloride	**1.7**	**J**	5.0	1.6	ug/L			02/15/19 16:18	1

Client: Weston Solutions, Inc.
Project/Site: Black and Decker

TestAmerica Job ID: 500-158614-1

Client Sample ID: EW-5
Date Collected: 02/11/19 08:50
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-4
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 16:18	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 16:18	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 16:18	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 16:18	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 16:18	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 16:18	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 16:18	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 16:18	1
Tetrachloroethene	**2.9**		1.0	0.37	ug/L			02/15/19 16:18	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 16:18	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 16:18	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 16:18	1
Trichloroethene	**63**		0.50	0.16	ug/L			02/15/19 16:18	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 16:18	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*		*02/15/19 16:18*	*1*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*02/15/19 16:18*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/15/19 16:18*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*02/15/19 16:18*	*1*

Client Sample ID: EW-6
Date Collected: 02/10/19 14:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-5
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 16:43	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 16:43	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 16:43	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 16:43	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 16:43	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 16:43	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 16:43	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 16:43	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 16:43	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 16:43	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 16:43	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 16:43	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 16:43	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 16:43	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 16:43	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 16:43	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 16:43	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 16:43	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 16:43	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 16:43	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 16:43	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 16:43	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 16:43	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 16:43	1
Acetone	**4.6**	**J**	10	1.7	ug/L			02/15/19 16:43	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 16:43	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 16:43	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 16:43	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 16:43	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 16:43	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 16:43	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 16:43	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 16:43	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 16:43	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 16:43	1
Chloroform	**0.45**	**J**	2.0	0.37	ug/L			02/15/19 16:43	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 16:43	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 16:43	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 16:43	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 16:43	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 16:43	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 16:43	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 16:43	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 16:43	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 16:43	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 16:43	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 16:43	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 16:43	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/15/19 16:43	1

Client Sample ID: EW-6
Date Collected: 02/10/19 14:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-5
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 16:43	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 16:43	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 16:43	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 16:43	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 16:43	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 16:43	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 16:43	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 16:43	1
Tetrachloroethene	**9.3**		1.0	0.37	ug/L			02/15/19 16:43	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 16:43	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 16:43	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 16:43	1
Trichloroethene	**3.9**		0.50	0.16	ug/L			02/15/19 16:43	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 16:43	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*		*02/15/19 16:43*	*1*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*02/15/19 16:43*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/15/19 16:43*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/15/19 16:43*	*1*

Client Sample ID: EW-7
Date Collected: 02/10/19 14:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-6
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 17:08	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 17:08	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 17:08	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 17:08	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 17:08	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 17:08	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 17:08	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 17:08	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 17:08	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 17:08	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:08	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 17:08	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 17:08	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 17:08	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 17:08	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 17:08	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 17:08	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:08	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 17:08	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:08	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 17:08	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 17:08	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 17:08	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 17:08	1
Acetone	<10		10	1.7	ug/L			02/15/19 17:08	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 17:08	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:08	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 17:08	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 17:08	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 17:08	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 17:08	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 17:08	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 17:08	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:08	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 17:08	1
Chloroform	**0.46**	**J**	2.0	0.37	ug/L			02/15/19 17:08	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 17:08	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.41	ug/L			02/15/19 17:08	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 17:08	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 17:08	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 17:08	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 17:08	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 17:08	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 17:08	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:08	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 17:08	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 17:08	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 17:08	1
Methylene Chloride	**1.6**	**J**	5.0	1.6	ug/L			02/15/19 17:08	1

Client Sample ID: EW-7
Date Collected: 02/10/19 14:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-6
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 17:08	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:08	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 17:08	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 17:08	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 17:08	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:08	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 17:08	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:08	1
Tetrachloroethene	**3.2**		1.0	0.37	ug/L			02/15/19 17:08	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 17:08	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 17:08	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 17:08	1
Trichloroethene	**0.98**		0.50	0.16	ug/L			02/15/19 17:08	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 17:08	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*75 - 126*		*02/15/19 17:08*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*02/15/19 17:08*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/15/19 17:08*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/15/19 17:08*	*1*

Client Sample ID: EW-8
Date Collected: 02/10/19 14:05
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-7
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 17:33	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 17:33	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 17:33	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 17:33	1
1,1-Dichloroethane	**0.62**	**J**	1.0	0.41	ug/L			02/15/19 17:33	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 17:33	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 17:33	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 17:33	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 17:33	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 17:33	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:33	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 17:33	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 17:33	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 17:33	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 17:33	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 17:33	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 17:33	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:33	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 17:33	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:33	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 17:33	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 17:33	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 17:33	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 17:33	1
Acetone	**2.6**	**J**	10	1.7	ug/L			02/15/19 17:33	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 17:33	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:33	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 17:33	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 17:33	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 17:33	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 17:33	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 17:33	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 17:33	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:33	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 17:33	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 17:33	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 17:33	1
cis-1,2-Dichloroethene	**17**		1.0	0.41	ug/L			02/15/19 17:33	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 17:33	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 17:33	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 17:33	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 17:33	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 17:33	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 17:33	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:33	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 17:33	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 17:33	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 17:33	1
Methylene Chloride	**1.6**	**J**	5.0	1.6	ug/L			02/15/19 17:33	1

Client Sample ID: EW-8
Date Collected: 02/10/19 14:05
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-7
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 17:33	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:33	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 17:33	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 17:33	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 17:33	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:33	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 17:33	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:33	1
Tetrachloroethene	**40**		1.0	0.37	ug/L			02/15/19 17:33	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 17:33	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 17:33	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 17:33	1
Trichloroethene	**3.7**		0.50	0.16	ug/L			02/15/19 17:33	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 17:33	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*75 - 126*		*02/15/19 17:33*	*1*
4-Bromofluorobenzene (Surr)	*118*		*72 - 124*		*02/15/19 17:33*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/15/19 17:33*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/15/19 17:33*	*1*

Client Sample ID: EW-9
Date Collected: 02/10/19 13:55
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-8
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 17:59	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 17:59	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 17:59	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 17:59	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 17:59	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 17:59	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 17:59	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 17:59	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 17:59	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 17:59	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:59	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 17:59	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 17:59	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 17:59	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 17:59	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 17:59	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 17:59	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:59	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 17:59	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:59	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 17:59	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 17:59	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 17:59	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 17:59	1
Acetone	<10		10	1.7	ug/L			02/15/19 17:59	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 17:59	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 17:59	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 17:59	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 17:59	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 17:59	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 17:59	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 17:59	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 17:59	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:59	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 17:59	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 17:59	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 17:59	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 17:59	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 17:59	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 17:59	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 17:59	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 17:59	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 17:59	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 17:59	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:59	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 17:59	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 17:59	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 17:59	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/15/19 17:59	1

Client Sample ID: EW-9
Date Collected: 02/10/19 13:55
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-8
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 17:59	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 17:59	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 17:59	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 17:59	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 17:59	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:59	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 17:59	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 17:59	1
Tetrachloroethene	**71**		1.0	0.37	ug/L			02/15/19 17:59	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 17:59	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 17:59	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 17:59	1
Trichloroethene	**0.59**		0.50	0.16	ug/L			02/15/19 17:59	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 17:59	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*02/15/19 17:59*	*1*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*02/15/19 17:59*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/15/19 17:59*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*02/15/19 17:59*	*1*

Client Sample ID: EW-9 Dup
Date Collected: 02/10/19 13:55
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-9
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 18:24	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 18:24	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 18:24	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 18:24	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 18:24	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 18:24	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 18:24	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 18:24	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 18:24	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 18:24	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 18:24	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 18:24	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 18:24	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 18:24	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 18:24	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 18:24	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 18:24	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 18:24	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 18:24	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 18:24	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 18:24	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 18:24	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 18:24	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 18:24	1
Acetone	**3.3**	**J**	10	1.7	ug/L			02/15/19 18:24	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 18:24	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 18:24	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 18:24	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 18:24	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 18:24	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 18:24	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 18:24	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 18:24	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 18:24	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 18:24	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 18:24	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 18:24	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 18:24	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 18:24	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 18:24	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 18:24	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 18:24	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 18:24	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 18:24	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 18:24	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 18:24	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 18:24	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 18:24	1
Methylene Chloride	**1.6**	**J**	5.0	1.6	ug/L			02/15/19 18:24	1

Client Sample ID: EW-9 Dup
Date Collected: 02/10/19 13:55
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-9
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 18:24	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 18:24	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 18:24	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 18:24	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 18:24	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 18:24	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 18:24	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 18:24	1
Tetrachloroethene	**77**		1.0	0.37	ug/L			02/15/19 18:24	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 18:24	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 18:24	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 18:24	1
Trichloroethene	**0.60**		0.50	0.16	ug/L			02/15/19 18:24	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 18:24	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*02/15/19 18:24*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*02/15/19 18:24*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/15/19 18:24*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*02/15/19 18:24*	*1*

Client Sample ID: EW-10
Date Collected: 02/10/19 13:45
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-10
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 18:50	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 18:50	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 18:50	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 18:50	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 18:50	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 18:50	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 18:50	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 18:50	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 18:50	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 18:50	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 18:50	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 18:50	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 18:50	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 18:50	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 18:50	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 18:50	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 18:50	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 18:50	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 18:50	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 18:50	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 18:50	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 18:50	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 18:50	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 18:50	1
Acetone	**3.9**	**J**	10	1.7	ug/L			02/15/19 18:50	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 18:50	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 18:50	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 18:50	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 18:50	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 18:50	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 18:50	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 18:50	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 18:50	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 18:50	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 18:50	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 18:50	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 18:50	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 18:50	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 18:50	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 18:50	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 18:50	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 18:50	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 18:50	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 18:50	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 18:50	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 18:50	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 18:50	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 18:50	1
Methylene Chloride	**1.7**	**J**	5.0	1.6	ug/L			02/15/19 18:50	1

Client Sample ID: EW-10
Date Collected: 02/10/19 13:45
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-10
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 18:50	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 18:50	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 18:50	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 18:50	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 18:50	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 18:50	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 18:50	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 18:50	1
Tetrachloroethene	**1.5**		1.0	0.37	ug/L			02/15/19 18:50	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 18:50	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 18:50	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 18:50	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/15/19 18:50	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 18:50	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*02/15/19 18:50*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*02/15/19 18:50*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/15/19 18:50*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/15/19 18:50*	*1*

Client Sample ID: RFW-1A
Date Collected: 02/10/19 10:40
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-11
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 19:15	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 19:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 19:15	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 19:15	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 19:15	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 19:15	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 19:15	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 19:15	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 19:15	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 19:15	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 19:15	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 19:15	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 19:15	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 19:15	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 19:15	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 19:15	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 19:15	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 19:15	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 19:15	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 19:15	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 19:15	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 19:15	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 19:15	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 19:15	1
Acetone	**3.1**	**J**	10	1.7	ug/L			02/15/19 19:15	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 19:15	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 19:15	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 19:15	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 19:15	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 19:15	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 19:15	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 19:15	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 19:15	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 19:15	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 19:15	1
Chloroform	**0.99**	**J**	2.0	0.37	ug/L			02/15/19 19:15	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 19:15	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 19:15	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 19:15	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 19:15	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 19:15	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 19:15	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 19:15	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 19:15	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 19:15	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 19:15	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 19:15	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 19:15	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/15/19 19:15	1

Client Sample ID: RFW-1A
Date Collected: 02/10/19 10:40
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-11
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 19:15	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 19:15	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 19:15	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 19:15	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 19:15	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 19:15	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 19:15	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 19:15	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/15/19 19:15	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 19:15	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 19:15	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 19:15	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/15/19 19:15	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 19:15	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*02/15/19 19:15*	*1*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*02/15/19 19:15*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*02/15/19 19:15*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/15/19 19:15*	*1*

Client Sample ID: RFW-1B
Date Collected: 02/10/19 10:45
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-12
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 19:40	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 19:40	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 19:40	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 19:40	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 19:40	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 19:40	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 19:40	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 19:40	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 19:40	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 19:40	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 19:40	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 19:40	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 19:40	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 19:40	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 19:40	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 19:40	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 19:40	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 19:40	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 19:40	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 19:40	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 19:40	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 19:40	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 19:40	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 19:40	1
Acetone	**3.1**	**J**	10	1.7	ug/L			02/15/19 19:40	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 19:40	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 19:40	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 19:40	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 19:40	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 19:40	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 19:40	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 19:40	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 19:40	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 19:40	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 19:40	1
Chloroform	**0.98**	**J**	2.0	0.37	ug/L			02/15/19 19:40	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 19:40	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 19:40	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 19:40	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 19:40	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 19:40	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 19:40	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 19:40	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 19:40	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 19:40	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 19:40	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 19:40	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 19:40	1
Methylene Chloride	**1.8**	**J**	5.0	1.6	ug/L			02/15/19 19:40	1

Client Sample ID: RFW-1B
Date Collected: 02/10/19 10:45
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-12
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 19:40	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 19:40	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 19:40	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 19:40	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 19:40	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 19:40	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 19:40	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 19:40	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/15/19 19:40	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 19:40	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 19:40	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 19:40	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/15/19 19:40	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 19:40	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*		*02/15/19 19:40*	*1*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*02/15/19 19:40*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/15/19 19:40*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*02/15/19 19:40*	*1*

Client Sample ID: RFW-2A
Date Collected: 02/10/19 12:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-13
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/15/19 20:05	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 20:05	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 20:05	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 20:05	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 20:05	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 20:05	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 20:05	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 20:05	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 20:05	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 20:05	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 20:05	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 20:05	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 20:05	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 20:05	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 20:05	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 20:05	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 20:05	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 20:05	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 20:05	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 20:05	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 20:05	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 20:05	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 20:05	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 20:05	1
Acetone	**4.0**	**J**	10	1.7	ug/L			02/15/19 20:05	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 20:05	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 20:05	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 20:05	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 20:05	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 20:05	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 20:05	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 20:05	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 20:05	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 20:05	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 20:05	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 20:05	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 20:05	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 20:05	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 20:05	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 20:05	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 20:05	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 20:05	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 20:05	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 20:05	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 20:05	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 20:05	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 20:05	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 20:05	1
Methylene Chloride	**1.9**	**J**	5.0	1.6	ug/L			02/15/19 20:05	1

Client Sample ID: RFW-2A
Date Collected: 02/10/19 12:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-13
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 20:05	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 20:05	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 20:05	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 20:05	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 20:05	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 20:05	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 20:05	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 20:05	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/15/19 20:05	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 20:05	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 20:05	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 20:05	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/15/19 20:05	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 20:05	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*75 - 126*		*02/15/19 20:05*	*1*
4-Bromofluorobenzene (Surr)	*119*		*72 - 124*		*02/15/19 20:05*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*02/15/19 20:05*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*02/15/19 20:05*	*1*

Client Sample ID: RFW-2B
Date Collected: 02/10/19 12:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-14
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 12:07	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 12:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 12:07	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 12:07	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 12:07	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 12:07	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 12:07	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 12:07	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 12:07	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 12:07	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:07	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 12:07	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 12:07	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 12:07	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 12:07	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 12:07	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 12:07	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:07	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 12:07	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:07	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 12:07	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 12:07	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 12:07	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 12:07	1
Acetone	<10		10	1.7	ug/L			02/19/19 12:07	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 12:07	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:07	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 12:07	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 12:07	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 12:07	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 12:07	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 12:07	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 12:07	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:07	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 12:07	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 12:07	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 12:07	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/19 12:07	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 12:07	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 12:07	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 12:07	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 12:07	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 12:07	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 12:07	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:07	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 12:07	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 12:07	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 12:07	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 12:07	1

Client Sample ID: RFW-2B
Date Collected: 02/10/19 12:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-14
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 12:07	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:07	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 12:07	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 12:07	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 12:07	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:07	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 12:07	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:07	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/19 12:07	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 12:07	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 12:07	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 12:07	1
Trichloroethene	**0.17**	**J**	0.50	0.16	ug/L			02/19/19 12:07	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 12:07	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*02/19/19 12:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*02/19/19 12:07*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*02/19/19 12:07*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*02/19/19 12:07*	*1*

Client Sample ID: RFW-3B
Date Collected: 02/10/19 13:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-15
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 12:32	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 12:32	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 12:32	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 12:32	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 12:32	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 12:32	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 12:32	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 12:32	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 12:32	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 12:32	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:32	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 12:32	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 12:32	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 12:32	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 12:32	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 12:32	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 12:32	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:32	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 12:32	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:32	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 12:32	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 12:32	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 12:32	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 12:32	1
Acetone	<10		10	1.7	ug/L			02/19/19 12:32	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 12:32	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:32	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 12:32	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 12:32	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 12:32	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 12:32	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 12:32	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 12:32	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:32	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 12:32	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 12:32	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 12:32	1
cis-1,2-Dichloroethene	**0.98**	**J**	1.0	0.41	ug/L			02/19/19 12:32	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 12:32	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 12:32	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 12:32	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 12:32	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 12:32	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 12:32	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:32	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 12:32	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 12:32	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 12:32	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 12:32	1

Client: Weston Solutions, Inc.
Project/Site: Black and Decker

TestAmerica Job ID: 500-158614-1

Client Sample ID: RFW-3B
Date Collected: 02/10/19 13:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-15
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 12:32	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:32	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 12:32	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 12:32	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 12:32	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:32	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 12:32	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:32	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/19 12:32	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 12:32	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 12:32	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 12:32	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/19 12:32	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 12:32	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*02/19/19 12:32*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*02/19/19 12:32*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/19 12:32*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/19/19 12:32*	*1*

Client Sample ID: RFW-4A
Date Collected: 02/11/19 11:20
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-16
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 12:57	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 12:57	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 12:57	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 12:57	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 12:57	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 12:57	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 12:57	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 12:57	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 12:57	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 12:57	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:57	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 12:57	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 12:57	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 12:57	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 12:57	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 12:57	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 12:57	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:57	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 12:57	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:57	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 12:57	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 12:57	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 12:57	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 12:57	1
Acetone	<10		10	1.7	ug/L			02/19/19 12:57	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 12:57	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 12:57	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 12:57	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 12:57	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 12:57	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 12:57	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 12:57	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 12:57	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:57	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 12:57	1
Chloroform	**0.50**	**J**	2.0	0.37	ug/L			02/19/19 12:57	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 12:57	1
cis-1,2-Dichloroethene	**0.76**	**J**	1.0	0.41	ug/L			02/19/19 12:57	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 12:57	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 12:57	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 12:57	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 12:57	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 12:57	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 12:57	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:57	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 12:57	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 12:57	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 12:57	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 12:57	1

Client Sample ID: RFW-4A
Date Collected: 02/11/19 11:20
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-16
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 12:57	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 12:57	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 12:57	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 12:57	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 12:57	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:57	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 12:57	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 12:57	1
Tetrachloroethene	**15**		1.0	0.37	ug/L			02/19/19 12:57	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 12:57	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 12:57	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 12:57	1
Trichloroethene	**22**		0.50	0.16	ug/L			02/19/19 12:57	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 12:57	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*02/19/19 12:57*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*02/19/19 12:57*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/19/19 12:57*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*02/19/19 12:57*	*1*

Client Sample ID: RFW-4A Dup
Date Collected: 02/11/19 11:20
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-17
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/22/19 19:11	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/22/19 19:11	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/22/19 19:11	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/22/19 19:11	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/22/19 19:11	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/22/19 19:11	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/22/19 19:11	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/22/19 19:11	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/22/19 19:11	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/22/19 19:11	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/22/19 19:11	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/22/19 19:11	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/22/19 19:11	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/22/19 19:11	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/22/19 19:11	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/22/19 19:11	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/22/19 19:11	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/22/19 19:11	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/22/19 19:11	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/22/19 19:11	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/22/19 19:11	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/22/19 19:11	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/22/19 19:11	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/22/19 19:11	1
Acetone	<10		10	1.7	ug/L			02/22/19 19:11	1
Benzene	<0.50		0.50	0.15	ug/L			02/22/19 19:11	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/22/19 19:11	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/22/19 19:11	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/22/19 19:11	1
Bromoform	<1.0		1.0	0.48	ug/L			02/22/19 19:11	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/22/19 19:11	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/22/19 19:11	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/22/19 19:11	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/22/19 19:11	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/22/19 19:11	1
Chloroform	**0.50**	**J**	2.0	0.37	ug/L			02/22/19 19:11	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/22/19 19:11	1
cis-1,2-Dichloroethene	**0.81**	**J**	1.0	0.41	ug/L			02/22/19 19:11	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/22/19 19:11	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/22/19 19:11	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/22/19 19:11	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/22/19 19:11	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/22/19 19:11	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/22/19 19:11	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/22/19 19:11	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/22/19 19:11	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/22/19 19:11	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/22/19 19:11	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/22/19 19:11	1

Client Sample ID: RFW-4A Dup
Date Collected: 02/11/19 11:20
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-17
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/22/19 19:11	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/22/19 19:11	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/22/19 19:11	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/22/19 19:11	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/22/19 19:11	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/22/19 19:11	1
Styrene	<1.0		1.0	0.39	ug/L			02/22/19 19:11	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/22/19 19:11	1
Tetrachloroethene	**13**		1.0	0.37	ug/L			02/22/19 19:11	1
Toluene	<0.50		0.50	0.15	ug/L			02/22/19 19:11	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/22/19 19:11	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/22/19 19:11	1
Trichloroethene	**21**		0.50	0.16	ug/L			02/22/19 19:11	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/22/19 19:11	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/22/19 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*02/22/19 19:11*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*02/22/19 19:11*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*02/22/19 19:11*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*02/22/19 19:11*	*1*

Client Sample ID: RFW-4B
Date Collected: 02/11/19 12:05
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-18
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 13:48	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 13:48	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 13:48	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 13:48	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 13:48	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 13:48	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 13:48	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 13:48	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 13:48	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 13:48	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 13:48	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 13:48	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 13:48	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 13:48	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 13:48	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 13:48	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 13:48	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 13:48	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 13:48	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 13:48	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 13:48	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 13:48	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 13:48	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 13:48	1
Acetone	<10		10	1.7	ug/L			02/19/19 13:48	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 13:48	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 13:48	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 13:48	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 13:48	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 13:48	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 13:48	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 13:48	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 13:48	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 13:48	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 13:48	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 13:48	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 13:48	1
cis-1,2-Dichloroethene	**0.48**	**J**	1.0	0.41	ug/L			02/19/19 13:48	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 13:48	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 13:48	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 13:48	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 13:48	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 13:48	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 13:48	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 13:48	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 13:48	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 13:48	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 13:48	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 13:48	1

Client Sample ID: RFW-4B
Date Collected: 02/11/19 12:05
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-18
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 13:48	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 13:48	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 13:48	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 13:48	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 13:48	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 13:48	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 13:48	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 13:48	1
Tetrachloroethene	**1.4**		1.0	0.37	ug/L			02/19/19 13:48	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 13:48	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 13:48	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 13:48	1
Trichloroethene	**0.37**	**J**	0.50	0.16	ug/L			02/19/19 13:48	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 13:48	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*02/19/19 13:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*02/19/19 13:48*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/19/19 13:48*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/19/19 13:48*	*1*

Client Sample ID: RFW-6
Date Collected: 02/10/19 11:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-19
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 14:13	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 14:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 14:13	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 14:13	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 14:13	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 14:13	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 14:13	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 14:13	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 14:13	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 14:13	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 14:13	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 14:13	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 14:13	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 14:13	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 14:13	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 14:13	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 14:13	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 14:13	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 14:13	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 14:13	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 14:13	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 14:13	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 14:13	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 14:13	1
Acetone	<10		10	1.7	ug/L			02/19/19 14:13	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 14:13	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 14:13	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 14:13	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 14:13	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 14:13	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 14:13	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 14:13	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 14:13	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 14:13	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 14:13	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 14:13	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 14:13	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/19 14:13	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 14:13	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 14:13	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 14:13	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 14:13	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 14:13	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 14:13	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 14:13	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 14:13	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 14:13	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 14:13	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 14:13	1

Client: Weston Solutions, Inc.
Project/Site: Black and Decker

TestAmerica Job ID: 500-158614-1

Client Sample ID: RFW-6
Date Collected: 02/10/19 11:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-19
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 14:13	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 14:13	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 14:13	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 14:13	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 14:13	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 14:13	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 14:13	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 14:13	1
Tetrachloroethene	**0.46**	**J**	1.0	0.37	ug/L			02/19/19 14:13	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 14:13	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 14:13	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 14:13	1
Trichloroethene	**0.27**	**J**	0.50	0.16	ug/L			02/19/19 14:13	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 14:13	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*02/19/19 14:13*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*02/19/19 14:13*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/19/19 14:13*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*02/19/19 14:13*	*1*

Client Sample ID: RFW-7
Date Collected: 02/10/19 09:50
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-20
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 14:38	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 14:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 14:38	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 14:38	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 14:38	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 14:38	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 14:38	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 14:38	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 14:38	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 14:38	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 14:38	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 14:38	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 14:38	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 14:38	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 14:38	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 14:38	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 14:38	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 14:38	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 14:38	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 14:38	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 14:38	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 14:38	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 14:38	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 14:38	1
Acetone	<10		10	1.7	ug/L			02/19/19 14:38	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 14:38	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 14:38	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 14:38	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 14:38	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 14:38	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 14:38	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 14:38	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 14:38	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 14:38	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 14:38	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 14:38	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 14:38	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/19 14:38	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 14:38	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 14:38	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 14:38	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 14:38	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 14:38	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 14:38	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 14:38	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 14:38	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 14:38	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 14:38	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 14:38	1

Client Sample ID: RFW-7
Date Collected: 02/10/19 09:50
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-20
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 14:38	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 14:38	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 14:38	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 14:38	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 14:38	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 14:38	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 14:38	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 14:38	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/19 14:38	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 14:38	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 14:38	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 14:38	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			02/19/19 14:38	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 14:38	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*02/19/19 14:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*02/19/19 14:38*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/19/19 14:38*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/19/19 14:38*	*1*

Client Sample ID: RFW-9
Date Collected: 02/11/19 08:40
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-21
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 15:03	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 15:03	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 15:03	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 15:03	1
1,1-Dichloroethane	**0.72**	**J**	1.0	0.41	ug/L			02/19/19 15:03	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 15:03	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 15:03	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 15:03	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 15:03	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 15:03	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:03	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 15:03	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 15:03	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 15:03	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 15:03	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 15:03	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 15:03	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:03	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 15:03	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:03	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 15:03	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 15:03	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 15:03	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 15:03	1
Acetone	<10		10	1.7	ug/L			02/19/19 15:03	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 15:03	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:03	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 15:03	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 15:03	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 15:03	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 15:03	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 15:03	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 15:03	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:03	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 15:03	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 15:03	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 15:03	1
cis-1,2-Dichloroethene	**22**		1.0	0.41	ug/L			02/19/19 15:03	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 15:03	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 15:03	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 15:03	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 15:03	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 15:03	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 15:03	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:03	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 15:03	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 15:03	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 15:03	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 15:03	1

Client Sample ID: RFW-9
Date Collected: 02/11/19 08:40
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-21
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 15:03	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:03	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 15:03	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 15:03	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 15:03	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:03	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 15:03	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:03	1
Tetrachloroethene	**3.8**		1.0	0.37	ug/L			02/19/19 15:03	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 15:03	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 15:03	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 15:03	1
Trichloroethene	**3.3**		0.50	0.16	ug/L			02/19/19 15:03	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 15:03	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*02/19/19 15:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*02/19/19 15:03*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/19/19 15:03*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*02/19/19 15:03*	*1*

Client Sample ID: RFW-11B
Date Collected: 02/11/19 10:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-22
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 15:28	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 15:28	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 15:28	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 15:28	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 15:28	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 15:28	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 15:28	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 15:28	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 15:28	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 15:28	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:28	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 15:28	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 15:28	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 15:28	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 15:28	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 15:28	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 15:28	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:28	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 15:28	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:28	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 15:28	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 15:28	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 15:28	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 15:28	1
Acetone	<10		10	1.7	ug/L			02/19/19 15:28	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 15:28	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:28	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 15:28	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 15:28	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 15:28	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 15:28	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 15:28	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 15:28	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:28	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 15:28	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 15:28	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 15:28	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/19 15:28	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 15:28	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 15:28	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 15:28	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 15:28	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 15:28	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 15:28	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:28	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 15:28	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 15:28	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 15:28	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 15:28	1

Client Sample ID: RFW-11B
Date Collected: 02/11/19 10:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-22
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 15:28	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:28	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 15:28	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 15:28	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 15:28	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:28	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 15:28	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:28	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/19 15:28	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 15:28	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 15:28	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 15:28	1
Trichloroethene	**0.70**		0.50	0.16	ug/L			02/19/19 15:28	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 15:28	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*02/19/19 15:28*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*02/19/19 15:28*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/19/19 15:28*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/19/19 15:28*	*1*

Client Sample ID: RFW-12B
Date Collected: 02/11/19 13:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-23
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 15:53	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 15:53	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 15:53	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 15:53	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 15:53	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 15:53	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 15:53	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 15:53	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 15:53	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 15:53	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:53	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 15:53	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 15:53	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 15:53	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 15:53	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 15:53	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 15:53	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:53	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 15:53	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:53	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 15:53	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 15:53	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 15:53	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 15:53	1
Acetone	<10		10	1.7	ug/L			02/19/19 15:53	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 15:53	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 15:53	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 15:53	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 15:53	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 15:53	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 15:53	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 15:53	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 15:53	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:53	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 15:53	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 15:53	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 15:53	1
cis-1,2-Dichloroethene	**1.9**		1.0	0.41	ug/L			02/19/19 15:53	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 15:53	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 15:53	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 15:53	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 15:53	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 15:53	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 15:53	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:53	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 15:53	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 15:53	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 15:53	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 15:53	1

Client Sample ID: RFW-12B
Date Collected: 02/11/19 13:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-23
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 15:53	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 15:53	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 15:53	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 15:53	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 15:53	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:53	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 15:53	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 15:53	1
Tetrachloroethene	**5.4**		1.0	0.37	ug/L			02/19/19 15:53	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 15:53	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 15:53	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 15:53	1
Trichloroethene	**73**		0.50	0.16	ug/L			02/19/19 15:53	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 15:53	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*02/19/19 15:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*02/19/19 15:53*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*02/19/19 15:53*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*02/19/19 15:53*	*1*

Client Sample ID: RFW-13
Date Collected: 02/10/19 15:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-24
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 16:19	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 16:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 16:19	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 16:19	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 16:19	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 16:19	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 16:19	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 16:19	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 16:19	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 16:19	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 16:19	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 16:19	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 16:19	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 16:19	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 16:19	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 16:19	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 16:19	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 16:19	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 16:19	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 16:19	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 16:19	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 16:19	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 16:19	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 16:19	1
Acetone	<10		10	1.7	ug/L			02/19/19 16:19	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 16:19	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 16:19	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 16:19	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 16:19	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 16:19	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 16:19	1
Carbon disulfide	**0.80**	**J**	2.0	0.45	ug/L			02/19/19 16:19	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 16:19	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 16:19	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 16:19	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 16:19	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 16:19	1
cis-1,2-Dichloroethene	**2.6**		1.0	0.41	ug/L			02/19/19 16:19	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 16:19	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 16:19	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 16:19	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 16:19	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 16:19	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 16:19	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 16:19	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 16:19	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 16:19	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 16:19	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 16:19	1

Client Sample ID: RFW-13
Date Collected: 02/10/19 15:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-24
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 16:19	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 16:19	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 16:19	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 16:19	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 16:19	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 16:19	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 16:19	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 16:19	1
Tetrachloroethene	**7.0**		1.0	0.37	ug/L			02/19/19 16:19	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 16:19	1
trans-1,2-Dichloroethene	**2.6**		1.0	0.35	ug/L			02/19/19 16:19	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 16:19	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			02/19/19 16:19	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 16:19	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*02/19/19 16:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*02/19/19 16:19*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*02/19/19 16:19*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*02/19/19 16:19*	*1*

Client Sample ID: RFW-17
Date Collected: 02/10/19 16:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-25
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 16:44	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 16:44	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 16:44	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 16:44	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 16:44	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 16:44	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 16:44	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 16:44	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 16:44	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 16:44	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 16:44	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 16:44	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 16:44	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 16:44	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 16:44	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 16:44	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 16:44	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 16:44	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 16:44	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 16:44	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 16:44	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 16:44	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 16:44	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 16:44	1
Acetone	<10		10	1.7	ug/L			02/19/19 16:44	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 16:44	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 16:44	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 16:44	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 16:44	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 16:44	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 16:44	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 16:44	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 16:44	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 16:44	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 16:44	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 16:44	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 16:44	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/19 16:44	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 16:44	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 16:44	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 16:44	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 16:44	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 16:44	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 16:44	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 16:44	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 16:44	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 16:44	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 16:44	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 16:44	1

Client Sample ID: RFW-17
Date Collected: 02/10/19 16:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-25
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 16:44	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 16:44	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 16:44	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 16:44	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 16:44	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 16:44	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 16:44	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 16:44	1
Tetrachloroethene	**0.45**	**J**	1.0	0.37	ug/L			02/19/19 16:44	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 16:44	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 16:44	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 16:44	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/19 16:44	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 16:44	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*02/19/19 16:44*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*02/19/19 16:44*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*02/19/19 16:44*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*02/19/19 16:44*	*1*

Client Sample ID: Trip Blank
Date Collected: 02/10/19 07:00
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-26
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/19 10:52	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 10:52	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 10:52	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 10:52	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 10:52	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 10:52	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 10:52	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 10:52	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 10:52	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 10:52	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 10:52	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 10:52	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 10:52	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 10:52	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 10:52	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 10:52	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 10:52	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 10:52	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 10:52	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 10:52	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 10:52	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 10:52	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 10:52	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 10:52	1
Acetone	<10		10	1.7	ug/L			02/19/19 10:52	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 10:52	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 10:52	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 10:52	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 10:52	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 10:52	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 10:52	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 10:52	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 10:52	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 10:52	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 10:52	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 10:52	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 10:52	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/19 10:52	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 10:52	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 10:52	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 10:52	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 10:52	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 10:52	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 10:52	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 10:52	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 10:52	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 10:52	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 10:52	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 10:52	1

Client Sample ID: Trip Blank
Date Collected: 02/10/19 07:00
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-26
Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 10:52	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 10:52	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 10:52	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 10:52	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 10:52	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 10:52	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 10:52	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 10:52	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/19 10:52	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 10:52	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 10:52	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 10:52	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/19 10:52	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 10:52	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*02/19/19 10:52*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*02/19/19 10:52*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*02/19/19 10:52*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/19/19 10:52*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 472515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-158614-1	EW-2	Total/NA	Water	8260B	
500-158614-2	EW-3	Total/NA	Water	8260B	
500-158614-3	EW-4	Total/NA	Water	8260B	
500-158614-4	EW-5	Total/NA	Water	8260B	
500-158614-5	EW-6	Total/NA	Water	8260B	
500-158614-6	EW-7	Total/NA	Water	8260B	
500-158614-7	EW-8	Total/NA	Water	8260B	
500-158614-8	EW-9	Total/NA	Water	8260B	
500-158614-9	EW-9 Dup	Total/NA	Water	8260B	
500-158614-10	EW-10	Total/NA	Water	8260B	
500-158614-11	RFW-1A	Total/NA	Water	8260B	
500-158614-12	RFW-1B	Total/NA	Water	8260B	
500-158614-13	RFW-2A	Total/NA	Water	8260B	
MB 500-472515/6	Method Blank	Total/NA	Water	8260B	
LCS 500-472515/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 472793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-158614-3 - DL	EW-4	Total/NA	Water	8260B	
500-158614-14	RFW-2B	Total/NA	Water	8260B	
500-158614-15	RFW-3B	Total/NA	Water	8260B	
500-158614-16	RFW-4A	Total/NA	Water	8260B	
500-158614-18	RFW-4B	Total/NA	Water	8260B	
500-158614-19	RFW-6	Total/NA	Water	8260B	
500-158614-20	RFW-7	Total/NA	Water	8260B	
500-158614-21	RFW-9	Total/NA	Water	8260B	
500-158614-22	RFW-11B	Total/NA	Water	8260B	
500-158614-23	RFW-12B	Total/NA	Water	8260B	
500-158614-24	RFW-13	Total/NA	Water	8260B	
500-158614-25	RFW-17	Total/NA	Water	8260B	
500-158614-26	Trip Blank	Total/NA	Water	8260B	
MB 500-472793/6	Method Blank	Total/NA	Water	8260B	
LCS 500-472793/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 473402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-158614-17	RFW-4A Dup	Total/NA	Water	8260B	
MB 500-473402/7	Method Blank	Total/NA	Water	8260B	
LCS 500-473402/5	Lab Control Sample	Total/NA	Water	8260B	

Client: Weston Solutions, Inc.
Project/Site: Black and Decker

TestAmerica Job ID: 500-158614-1

Method: 8260B - VOC

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-158614-1	EW-2	121	117	95	94
500-158614-2	EW-3	119	116	94	93
500-158614-3	EW-4	119	113	96	92
500-158614-3 - DL	EW-4	104	98	95	105
500-158614-4	EW-5	119	113	96	91
500-158614-5	EW-6	117	117	95	92
500-158614-6	EW-7	123	115	94	92
500-158614-7	EW-8	120	118	95	92
500-158614-8	EW-9	118	116	94	93
500-158614-9	EW-9 Dup	118	115	94	91
500-158614-10	EW-10	118	112	96	92
500-158614-11	RFW-1A	118	117	98	92
500-158614-12	RFW-1B	119	113	96	91
500-158614-13	RFW-2A	125	119	97	93
500-158614-14	RFW-2B	104	99	93	104
500-158614-15	RFW-3B	103	99	95	105
500-158614-16	RFW-4A	103	99	94	106
500-158614-17	RFW-4A Dup	90	93	98	94
500-158614-18	RFW-4B	104	98	96	105
500-158614-19	RFW-6	106	100	94	104
500-158614-20	RFW-7	104	99	94	105
500-158614-21	RFW-9	106	97	96	104
500-158614-22	RFW-11B	107	98	96	105
500-158614-23	RFW-12B	107	98	98	104
500-158614-24	RFW-13	108	98	96	102
500-158614-25	RFW-17	106	102	93	104
500-158614-26	Trip Blank	103	99	93	105
LCS 500-472515/4	Lab Control Sample	123	112	100	92
LCS 500-472793/4	Lab Control Sample	102	100	100	105
LCS 500-473402/5	Lab Control Sample	88	91	100	97
MB 500-472515/6	Method Blank	121	115	95	92
MB 500-472793/6	Method Blank	103	100	98	104
MB 500-473402/7	Method Blank	90	90	101	94

Surrogate Legend

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

Method: 8260B - VOC

Lab Sample ID: MB 500-472515/6
Matrix: Water
Analysis Batch: 472515

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	<1.0		1.0	0.46	ug/L			02/15/19 11:38	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/15/19 11:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/15/19 11:38	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/15/19 11:38	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/15/19 11:38	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/15/19 11:38	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/15/19 11:38	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/15/19 11:38	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/15/19 11:38	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/15/19 11:38	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/15/19 11:38	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/15/19 11:38	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/15/19 11:38	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/15/19 11:38	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/15/19 11:38	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/15/19 11:38	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/15/19 11:38	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/15/19 11:38	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/15/19 11:38	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/15/19 11:38	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/15/19 11:38	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/15/19 11:38	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/15/19 11:38	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/15/19 11:38	1
Acetone	<10		10	1.7	ug/L			02/15/19 11:38	1
Benzene	<0.50		0.50	0.15	ug/L			02/15/19 11:38	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/15/19 11:38	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/15/19 11:38	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/15/19 11:38	1
Bromoform	<1.0		1.0	0.48	ug/L			02/15/19 11:38	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/15/19 11:38	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/15/19 11:38	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/15/19 11:38	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/15/19 11:38	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/15/19 11:38	1
Chloroform	<2.0		2.0	0.37	ug/L			02/15/19 11:38	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/15/19 11:38	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/15/19 11:38	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/15/19 11:38	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/15/19 11:38	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/15/19 11:38	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/15/19 11:38	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/15/19 11:38	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/15/19 11:38	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 11:38	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/15/19 11:38	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/15/19 11:38	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/15/19 11:38	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-472515/6
Matrix: Water
Analysis Batch: 472515

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/15/19 11:38	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/15/19 11:38	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/15/19 11:38	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/15/19 11:38	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/15/19 11:38	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/15/19 11:38	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 11:38	1
Styrene	<1.0		1.0	0.39	ug/L			02/15/19 11:38	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/15/19 11:38	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/15/19 11:38	1
Toluene	<0.50		0.50	0.15	ug/L			02/15/19 11:38	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/15/19 11:38	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/15/19 11:38	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/15/19 11:38	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/15/19 11:38	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/15/19 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*75 - 126*		*02/15/19 11:38*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*02/15/19 11:38*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/15/19 11:38*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/15/19 11:38*	*1*

Lab Sample ID: LCS 500-472515/4
Matrix: Water
Analysis Batch: 472515

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	45.7		ug/L		91	70 - 125
1,1,1-Trichloroethane	50.0	51.3		ug/L		103	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.0		ug/L		98	62 - 140
1,1,2-Trichloroethane	50.0	47.0		ug/L		94	71 - 130
1,1-Dichloroethane	50.0	55.6		ug/L		111	70 - 125
1,1-Dichloroethene	50.0	51.1		ug/L		102	67 - 122
1,1-Dichloropropene	50.0	53.2		ug/L		106	70 - 121
1,2,3-Trichlorobenzene	50.0	53.6		ug/L		107	51 - 145
1,2,3-Trichloropropane	50.0	54.2		ug/L		108	50 - 133
1,2,4-Trichlorobenzene	50.0	49.7		ug/L		99	57 - 137
1,2,4-Trimethylbenzene	50.0	45.4		ug/L		91	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/L		102	56 - 123
1,2-Dibromoethane	50.0	48.3		ug/L		97	70 - 125
1,2-Dichlorobenzene	50.0	47.1		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	59.5		ug/L		119	68 - 127
1,2-Dichloropropane	50.0	53.1		ug/L		106	67 - 130
1,3,5-Trimethylbenzene	50.0	46.5		ug/L		93	70 - 123
1,3-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 125
1,3-Dichloropropane	50.0	50.1		ug/L		100	62 - 136
1,4-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 120

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-472515/4
Matrix: Water
Analysis Batch: 472515

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	52.1		ug/L		104	58 - 139
2-Chlorotoluene	50.0	50.3		ug/L		101	70 - 125
2-Hexanone	50.0	49.5		ug/L		99	54 - 146
4-Chlorotoluene	50.0	49.1		ug/L		98	68 - 124
Acetone	50.0	56.2		ug/L		112	40 - 143
Benzene	50.0	46.8		ug/L		94	70 - 120
Bromobenzene	50.0	48.1		ug/L		96	70 - 122
Bromochloromethane	50.0	48.7		ug/L		97	65 - 122
Bromodichloromethane	50.0	47.1		ug/L		94	69 - 120
Bromoform	50.0	44.3		ug/L		89	56 - 132
Bromomethane	50.0	34.0		ug/L		68	40 - 152
Carbon disulfide	50.0	51.0		ug/L		102	66 - 120
Carbon tetrachloride	50.0	52.3		ug/L		105	59 - 133
Chlorobenzene	50.0	46.6		ug/L		93	70 - 120
Chloroethane	50.0	53.6		ug/L		107	48 - 136
Chloroform	50.0	48.8		ug/L		98	70 - 120
Chloromethane	50.0	59.0		ug/L		118	56 - 152
cis-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	64 - 127
Dibromochloromethane	50.0	45.8		ug/L		92	68 - 125
Dibromomethane	50.0	44.8		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	58.0		ug/L		116	40 - 159
Ethylbenzene	50.0	44.5		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	53.1		ug/L		106	51 - 150
Isopropylbenzene	50.0	48.7		ug/L		97	70 - 126
m&p-Xylene	50.0	43.7		ug/L		87	70 - 125
Methyl Ethyl Ketone	50.0	58.5		ug/L		117	46 - 144
methyl isobutyl ketone	50.0	47.2		ug/L		94	55 - 139
Methylene Chloride	50.0	49.0		ug/L		98	69 - 125
Naphthalene	50.0	48.5		ug/L		97	53 - 144
n-Butylbenzene	50.0	46.9		ug/L		94	68 - 125
N-Propylbenzene	50.0	49.1		ug/L		98	69 - 127
o-Xylene	50.0	42.2		ug/L		84	70 - 120
p-Isopropyltoluene	50.0	47.4		ug/L		95	70 - 125
sec-Butylbenzene	50.0	46.8		ug/L		94	70 - 123
Styrene	50.0	42.2		ug/L		84	70 - 120
tert-Butylbenzene	50.0	48.1		ug/L		96	70 - 121
Tetrachloroethene	50.0	51.3		ug/L		103	70 - 128
Toluene	50.0	44.5		ug/L		89	70 - 125
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 125
trans-1,3-Dichloropropene	50.0	51.4		ug/L		103	62 - 128
Trichloroethene	50.0	47.9		ug/L		96	70 - 125
Trichlorofluoromethane	50.0	60.1		ug/L		120	55 - 128
Vinyl chloride	50.0	53.2		ug/L		106	64 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*123*		*75 - 126*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-472515/4
Matrix: Water
Analysis Batch: 472515

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	100		75 - 120
Toluene-d8 (Surr)	92		75 - 120

Lab Sample ID: MB 500-472793/6
Matrix: Water
Analysis Batch: 472793

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	<1.0		1.0	0.46	ug/L			02/19/19 10:01	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/19 10:01	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/19 10:01	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/19 10:01	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/19 10:01	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/19 10:01	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/19 10:01	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/19 10:01	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/19 10:01	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/19 10:01	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/19 10:01	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/19 10:01	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/19 10:01	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/19 10:01	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/19 10:01	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/19 10:01	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/19 10:01	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/19 10:01	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/19 10:01	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/19 10:01	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/19 10:01	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/19 10:01	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/19 10:01	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/19 10:01	1
Acetone	<10		10	1.7	ug/L			02/19/19 10:01	1
Benzene	<0.50		0.50	0.15	ug/L			02/19/19 10:01	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/19 10:01	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/19 10:01	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/19 10:01	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/19 10:01	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/19 10:01	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/19 10:01	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/19 10:01	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/19 10:01	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/19 10:01	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/19 10:01	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/19 10:01	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/19 10:01	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/19 10:01	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/19 10:01	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-472793/6
Matrix: Water
Analysis Batch: 472793

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/19 10:01	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/19 10:01	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/19 10:01	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/19 10:01	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 10:01	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/19 10:01	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/19 10:01	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/19 10:01	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/19 10:01	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/19 10:01	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/19 10:01	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/19 10:01	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/19 10:01	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/19 10:01	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 10:01	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/19 10:01	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/19 10:01	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/19 10:01	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/19 10:01	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/19 10:01	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/19 10:01	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/19 10:01	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/19 10:01	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/19 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*02/19/19 10:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*02/19/19 10:01*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*02/19/19 10:01*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*02/19/19 10:01*	*1*

Lab Sample ID: LCS 500-472793/4
Matrix: Water
Analysis Batch: 472793

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	55.0		ug/L		110	70 - 125
1,1,1-Trichloroethane	50.0	57.0		ug/L		114	70 - 125
1,1,2,2-Tetrachloroethane	50.0	53.2		ug/L		106	62 - 140
1,1,2-Trichloroethane	50.0	54.6		ug/L		109	71 - 130
1,1-Dichloroethane	50.0	54.9		ug/L		110	70 - 125
1,1-Dichloroethene	50.0	57.5		ug/L		115	67 - 122
1,1-Dichloropropene	50.0	57.3		ug/L		115	70 - 121
1,2,3-Trichlorobenzene	50.0	55.4		ug/L		111	51 - 145
1,2,3-Trichloropropane	50.0	54.7		ug/L		109	50 - 133
1,2,4-Trichlorobenzene	50.0	56.1		ug/L		112	57 - 137
1,2,4-Trimethylbenzene	50.0	56.4		ug/L		113	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	44.8		ug/L		90	56 - 123

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-472793/4
Matrix: Water
Analysis Batch: 472793

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	50.0	54.8		ug/L		110	70 - 125
1,2-Dichlorobenzene	50.0	54.6		ug/L		109	70 - 125
1,2-Dichloroethane	50.0	55.0		ug/L		110	68 - 127
1,2-Dichloropropane	50.0	53.3		ug/L		107	67 - 130
1,3,5-Trimethylbenzene	50.0	57.9		ug/L		116	70 - 123
1,3-Dichlorobenzene	50.0	54.4		ug/L		109	70 - 125
1,3-Dichloropropane	50.0	54.3		ug/L		109	62 - 136
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 120
2,2-Dichloropropane	50.0	54.5		ug/L		109	58 - 139
2-Chlorotoluene	50.0	55.0		ug/L		110	70 - 125
2-Hexanone	50.0	49.4		ug/L		99	54 - 146
4-Chlorotoluene	50.0	54.9		ug/L		110	68 - 124
Acetone	50.0	55.2		ug/L		110	40 - 143
Benzene	50.0	53.1		ug/L		106	70 - 120
Bromobenzene	50.0	54.5		ug/L		109	70 - 122
Bromochloromethane	50.0	55.3		ug/L		111	65 - 122
Bromodichloromethane	50.0	52.5		ug/L		105	69 - 120
Bromoform	50.0	40.3		ug/L		81	56 - 132
Bromomethane	50.0	51.0		ug/L		102	40 - 152
Carbon disulfide	50.0	52.9		ug/L		106	66 - 120
Carbon tetrachloride	50.0	56.7		ug/L		113	59 - 133
Chlorobenzene	50.0	54.7		ug/L		109	70 - 120
Chloroethane	50.0	48.5		ug/L		97	48 - 136
Chloroform	50.0	54.3		ug/L		109	70 - 120
Chloromethane	50.0	47.3		ug/L		95	56 - 152
cis-1,2-Dichloroethene	50.0	55.3		ug/L		111	70 - 125
cis-1,3-Dichloropropene	50.0	53.9		ug/L		108	64 - 127
Dibromochloromethane	50.0	51.8		ug/L		104	68 - 125
Dibromomethane	50.0	53.9		ug/L		108	70 - 120
Dichlorodifluoromethane	50.0	45.0		ug/L		90	40 - 159
Ethylbenzene	50.0	58.9		ug/L		118	70 - 123
Hexachlorobutadiene	50.0	57.5		ug/L		115	51 - 150
Isopropylbenzene	50.0	57.3		ug/L		115	70 - 126
m&p-Xylene	50.0	58.1		ug/L		116	70 - 125
Methyl Ethyl Ketone	50.0	48.8		ug/L		98	46 - 144
methyl isobutyl ketone	50.0	48.0		ug/L		96	55 - 139
Methylene Chloride	50.0	54.4		ug/L		109	69 - 125
Naphthalene	50.0	54.3		ug/L		109	53 - 144
n-Butylbenzene	50.0	59.2		ug/L		118	68 - 125
N-Propylbenzene	50.0	57.3		ug/L		115	69 - 127
o-Xylene	50.0	57.4		ug/L		115	70 - 120
p-Isopropyltoluene	50.0	58.4		ug/L		117	70 - 125
sec-Butylbenzene	50.0	58.3		ug/L		117	70 - 123
Styrene	50.0	56.0		ug/L		112	70 - 120
tert-Butylbenzene	50.0	57.9		ug/L		116	70 - 121
Tetrachloroethene	50.0	57.8		ug/L		116	70 - 128
Toluene	50.0	52.9		ug/L		106	70 - 125
trans-1,2-Dichloroethene	50.0	56.4		ug/L		113	70 - 125

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-472793/4
Matrix: Water
Analysis Batch: 472793

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	50.0	53.4		ug/L		107	62 - 128
Trichloroethene	50.0	54.7		ug/L		109	70 - 125
Trichlorofluoromethane	50.0	51.6		ug/L		103	55 - 128
Vinyl chloride	50.0	49.2		ug/L		98	64 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Sample ID: MB 500-473402/7
Matrix: Water
Analysis Batch: 473402

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	<1.0		1.0	0.46	ug/L			02/22/19 11:06	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/22/19 11:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/22/19 11:06	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/22/19 11:06	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/22/19 11:06	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/22/19 11:06	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/22/19 11:06	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/22/19 11:06	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/22/19 11:06	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/22/19 11:06	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/22/19 11:06	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/22/19 11:06	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/22/19 11:06	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/22/19 11:06	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/22/19 11:06	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/22/19 11:06	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/22/19 11:06	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/22/19 11:06	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/22/19 11:06	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/22/19 11:06	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/22/19 11:06	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/22/19 11:06	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/22/19 11:06	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/22/19 11:06	1
Acetone	<10		10	1.7	ug/L			02/22/19 11:06	1
Benzene	<0.50		0.50	0.15	ug/L			02/22/19 11:06	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/22/19 11:06	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/22/19 11:06	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/22/19 11:06	1
Bromoform	<1.0		1.0	0.48	ug/L			02/22/19 11:06	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/22/19 11:06	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/22/19 11:06	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-473402/7
Matrix: Water
Analysis Batch: 473402

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/22/19 11:06	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/22/19 11:06	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/22/19 11:06	1
Chloroform	<2.0		2.0	0.37	ug/L			02/22/19 11:06	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/22/19 11:06	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/22/19 11:06	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/22/19 11:06	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/22/19 11:06	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/22/19 11:06	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/22/19 11:06	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/22/19 11:06	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/22/19 11:06	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/22/19 11:06	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/22/19 11:06	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/22/19 11:06	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/22/19 11:06	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/22/19 11:06	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/22/19 11:06	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/22/19 11:06	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/22/19 11:06	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/22/19 11:06	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/22/19 11:06	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/22/19 11:06	1
Styrene	<1.0		1.0	0.39	ug/L			02/22/19 11:06	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/22/19 11:06	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/22/19 11:06	1
Toluene	<0.50		0.50	0.15	ug/L			02/22/19 11:06	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/22/19 11:06	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/22/19 11:06	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/22/19 11:06	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/22/19 11:06	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/22/19 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*02/22/19 11:06*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/22/19 11:06*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*02/22/19 11:06*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*02/22/19 11:06*	*1*

Lab Sample ID: LCS 500-473402/5
Matrix: Water
Analysis Batch: 473402

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	51.6		ug/L		103	70 - 125
1,1,1-Trichloroethane	50.0	47.1		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.7		ug/L		83	62 - 140
1,1,2-Trichloroethane	50.0	47.6		ug/L		95	71 - 130

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-473402/5
Matrix: Water
Analysis Batch: 473402

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	50.0		ug/L		100	70 - 125
1,1-Dichloroethene	50.0	47.9		ug/L		96	67 - 122
1,1-Dichloropropene	50.0	45.9		ug/L		92	70 - 121
1,2,3-Trichlorobenzene	50.0	62.2		ug/L		124	51 - 145
1,2,3-Trichloropropane	50.0	44.3		ug/L		89	50 - 133
1,2,4-Trichlorobenzene	50.0	61.5		ug/L		123	57 - 137
1,2,4-Trimethylbenzene	50.0	46.6		ug/L		93	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.5		ug/L		73	56 - 123
1,2-Dibromoethane	50.0	48.2		ug/L		96	70 - 125
1,2-Dichlorobenzene	50.0	54.6		ug/L		109	70 - 125
1,2-Dichloroethane	50.0	46.3		ug/L		93	68 - 127
1,2-Dichloropropane	50.0	51.9		ug/L		104	67 - 130
1,3,5-Trimethylbenzene	50.0	48.3		ug/L		97	70 - 123
1,3-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 125
1,3-Dichloropropane	50.0	43.7		ug/L		87	62 - 136
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 120
2,2-Dichloropropane	50.0	43.1		ug/L		86	58 - 139
2-Chlorotoluene	50.0	46.5		ug/L		93	70 - 125
2-Hexanone	50.0	45.4		ug/L		91	54 - 146
4-Chlorotoluene	50.0	45.0		ug/L		90	68 - 124
Acetone	50.0	45.7		ug/L		91	40 - 143
Benzene	50.0	44.7		ug/L		89	70 - 120
Bromobenzene	50.0	53.1		ug/L		106	70 - 122
Bromochloromethane	50.0	54.9		ug/L		110	65 - 122
Bromodichloromethane	50.0	40.6		ug/L		81	69 - 120
Bromoform	50.0	46.6		ug/L		93	56 - 132
Bromomethane	50.0	46.8		ug/L		94	40 - 152
Carbon disulfide	50.0	41.0		ug/L		82	66 - 120
Carbon tetrachloride	50.0	47.2		ug/L		94	59 - 133
Chlorobenzene	50.0	49.8		ug/L		100	70 - 120
Chloroethane	50.0	48.6		ug/L		97	48 - 136
Chloroform	50.0	42.7		ug/L		85	70 - 120
Chloromethane	50.0	49.3		ug/L		99	56 - 152
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 125
cis-1,3-Dichloropropene	50.0	42.6		ug/L		85	64 - 127
Dibromochloromethane	50.0	49.4		ug/L		99	68 - 125
Dibromomethane	50.0	44.1		ug/L		88	70 - 120
Dichlorodifluoromethane	50.0	40.0		ug/L		80	40 - 159
Ethylbenzene	50.0	48.4		ug/L		97	70 - 123
Hexachlorobutadiene	50.0	60.4		ug/L		121	51 - 150
Isopropylbenzene	50.0	47.4		ug/L		95	70 - 126
m&p-Xylene	50.0	47.7		ug/L		95	70 - 125
Methyl Ethyl Ketone	50.0	45.0		ug/L		90	46 - 144
methyl isobutyl ketone	50.0	45.4		ug/L		91	55 - 139
Methylene Chloride	50.0	45.8		ug/L		92	69 - 125
Naphthalene	50.0	52.9		ug/L		106	53 - 144
n-Butylbenzene	50.0	46.1		ug/L		92	68 - 125
N-Propylbenzene	50.0	45.7		ug/L		91	69 - 127

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-473402/5
Matrix: Water
Analysis Batch: 473402

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	50.0	46.9		ug/L		94	70 - 120
p-Isopropyltoluene	50.0	50.9		ug/L		102	70 - 125
sec-Butylbenzene	50.0	48.2		ug/L		96	70 - 123
Styrene	50.0	45.7		ug/L		91	70 - 120
tert-Butylbenzene	50.0	51.6		ug/L		103	70 - 121
Tetrachloroethene	50.0	56.5		ug/L		113	70 - 128
Toluene	50.0	45.8		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	40.2		ug/L		80	62 - 128
Trichloroethene	50.0	55.6		ug/L		111	70 - 125
Trichlorofluoromethane	50.0	43.3		ug/L		87	55 - 128
Vinyl chloride	50.0	42.5		ug/L		85	64 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 120*

Client Sample ID: EW-2
Date Collected: 02/11/19 14:00
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 15:02	PMF	TAL CHI

Client Sample ID: EW-3
Date Collected: 02/11/19 10:20
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 15:27	PMF	TAL CHI

Client Sample ID: EW-4
Date Collected: 02/11/19 09:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 15:52	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	10	472793	02/19/19 11:42	JJH	TAL CHI

Client Sample ID: EW-5
Date Collected: 02/11/19 08:50
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 16:18	PMF	TAL CHI

Client Sample ID: EW-6
Date Collected: 02/10/19 14:15
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 16:43	PMF	TAL CHI

Client Sample ID: EW-7
Date Collected: 02/10/19 14:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 17:08	PMF	TAL CHI

Client Sample ID: EW-8
Date Collected: 02/10/19 14:05
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 17:33	PMF	TAL CHI

Client Sample ID: EW-9
Date Collected: 02/10/19 13:55
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 17:59	PMF	TAL CHI

Client Sample ID: EW-9 Dup
Date Collected: 02/10/19 13:55
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 18:24	PMF	TAL CHI

Client Sample ID: EW-10
Date Collected: 02/10/19 13:45
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 18:50	PMF	TAL CHI

Client Sample ID: RFW-1A
Date Collected: 02/10/19 10:40
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 19:15	PMF	TAL CHI

Client Sample ID: RFW-1B
Date Collected: 02/10/19 10:45
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 19:40	PMF	TAL CHI

Client Sample ID: RFW-2A
Lab Sample ID: 500-158614-13
Date Collected: 02/10/19 12:15
Matrix: Water
Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472515	02/15/19 20:05	PMF	TAL CHI

Client Sample ID: RFW-2B
Lab Sample ID: 500-158614-14
Date Collected: 02/10/19 12:30
Matrix: Water
Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 12:07	JJH	TAL CHI

Client Sample ID: RFW-3B
Lab Sample ID: 500-158614-15
Date Collected: 02/10/19 13:30
Matrix: Water
Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 12:32	JJH	TAL CHI

Client Sample ID: RFW-4A
Lab Sample ID: 500-158614-16
Date Collected: 02/11/19 11:20
Matrix: Water
Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 12:57	JJH	TAL CHI

Client Sample ID: RFW-4A Dup
Lab Sample ID: 500-158614-17
Date Collected: 02/11/19 11:20
Matrix: Water
Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	473402	02/22/19 19:11	PMF	TAL CHI

Client Sample ID: RFW-4B
Lab Sample ID: 500-158614-18
Date Collected: 02/11/19 12:05
Matrix: Water
Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 13:48	JJH	TAL CHI

Client Sample ID: RFW-6
Date Collected: 02/10/19 11:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 14:13	JJH	TAL CHI

Client Sample ID: RFW-7
Date Collected: 02/10/19 09:50
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 14:38	JJH	TAL CHI

Client Sample ID: RFW-9
Date Collected: 02/11/19 08:40
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 15:03	JJH	TAL CHI

Client Sample ID: RFW-11B
Date Collected: 02/11/19 10:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 15:28	JJH	TAL CHI

Client Sample ID: RFW-12B
Date Collected: 02/11/19 13:10
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 15:53	JJH	TAL CHI

Client Sample ID: RFW-13
Date Collected: 02/10/19 15:30
Date Received: 02/12/19 10:35

Lab Sample ID: 500-158614-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 16:19	JJH	TAL CHI

Client Sample ID: RFW-17

Lab Sample ID: 500-158614-25

Date Collected: 02/10/19 16:30

Matrix: Water

Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 16:44	JJH	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-158614-26

Date Collected: 02/10/19 07:00

Matrix: Water

Date Received: 02/12/19 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	472793	02/19/19 10:52	JJH	TAL CHI

Laboratory References:

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

Client: Weston Solutions, Inc.
Project/Site: Black and Decker

TestAmerica Job ID: 500-158614-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2903	04-30-19
Georgia	State Program	4	N/A	04-30-19
Georgia	State Program	4	939	04-30-19
Hawaii	State Program	9	N/A	04-30-19
Illinois	NELAP	5	100201	04-30-19
Indiana	State Program	5	C-IL-02	04-30-19
Iowa	State Program	7	82	05-01-20
Kansas	NELAP	7	E-10161	10-31-19
Kentucky (UST)	State Program	4	66	04-30-19
Kentucky (WW)	State Program	4	KY90023	12-31-19
Louisiana	NELAP	6	30720	06-30-19
Mississippi	State Program	4	N/A	04-30-19
New York	NELAP	2	12019	04-01-19
North Carolina (WW/SW)	State Program	4	291	12-31-19
North Dakota	State Program	8	R-194	04-30-19
Oklahoma	State Program	6	8908	08-31-19
South Carolina	State Program	4	77001	04-30-19
Wisconsin	State Program	5	999580010	08-31-19
Wyoming	State Program	8	8TMS-Q	04-30-19

TestAmerica

THE LEADER IN ENVIRONMENTAL T

2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-158614 COC

(optional)
Report To
Contact: Greg Flasinski
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-158614
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 5C3

Client: Weston Solutions | Client Project #: 02501.004.005
Project Name: Stanley Black + Decker
Project Location/State: Hampstead, MD | Lab Project #:
Sampler: Greg Flasinski | Lab PM: Dick Wright

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	Preservative / Parameter: VOC	Comments
1		EW-2	2/11/19	1400	3	W		
2		EW-3		1020				
3		EW-4		915				
4		EW-5		850				
5		EW-6	2/10/19	1415				
6		EW-7		1410				
7		EW-8		1405				
8		EW-9		1355				
9		EW-9 Dup		1355				
10		EW-10		1345				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 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
	Weston	2/11/19	1600		TA-Ort	2/12/19	1035

Lab Courier:
Shipped: FedEx
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:

TAL-4124-500 (1909)

2/25/2019

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 #: 500-158614

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Report To (optional)	Bill To (optional)
Contact:	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference#

Client: Western
Client Project #:
Project Name: Stanley Black + Decker
Project Location/State:
Lab Project #:
Sampler: Greg Flasinski
Lab PM: Dick Wright

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	Preservative	Parameter: VOC	Comments
11		RFW-1A	2/10/19	1040	3	W			
12		RFW-1B		1045					
13		RFW-2A		1215					
14		RFW-2B		1230					
15		RFW-3B		1330					
16		RFW-4A	2/11/19	1120					
17		RFW-4A Dup	2/11/19	1120					
18		RFW-4B	2/11/19	1205					
19		RFW-6	2/10/19	1130					
20		RFW-7	2/10/19	950					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 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
	Western	2/11/19	1600		STA-CHI	2/12/19	1035
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: 1
Shipped: Fed Ex
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

Report To (optional)
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-158614
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: Stanley Black + Decker
Project Location/State:
Lab Project #:
Sampler: Greg Flasinski
Lab PM: Dick Wright

Preservative:
Parameter: VOC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC	Comments
21		RFW-9	2/11/19	840	3	W		
22		RFW-11B	2/11/19	1010				
23		RFW-12B	2/11/19	1310				
24		RFW-13	2/10/19	1530				
25		RFW-17	2/10/19	1630				
26		Trip Blank	2/10/19	700	2			

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

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 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
[signature]	Weston	2/11/19	1600	Shari Scott	TA-CHI	2/12/19	1035
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: Fed-X
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:

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-158614-1

Login Number: 158614
List Number: 1
Creator: Scott, Sherri L

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	5.3
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-164447-1
Client Project/Site: Black & Decker

For:
Weston Solutions, Inc.
1400 Weston Way
PO BOX 2653
West Chester, Pennsylvania 19380

Attn: Greg Flasinski

Authorized for release by:
2/26/2019 11:15:23 AM

Keaton Conner, Project Manager I
(813)885-7427
keaton.conner@testamericainc.com

Job ID: 680-164447-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Weston Solutions, Inc.
Project: Black & Decker

Report Number: 680-164447-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 2/12/2019 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples RFW-20 (680-164447-1), RFW-21 (680-164447-2) and Trip Blank (680-164447-3) were analyzed for Volatile organic Compounds (GC-MS) in accordance with EPA Method 524.2. The samples were analyzed on 02/22/2019.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-559327 recovered outside control limits for the following analytes: 2-hexanone, napthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 680-559327 recovered outside control limits for the following analyte: dichlorodifluoromethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.

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

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-164447-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-164447-1	RFW-20	Water	02/10/19 08:50	02/12/19 09:40
680-164447-2	RFW-21	Water	02/10/19 08:00	02/12/19 09:40
680-164447-3	Trip Blank	Water	02/10/19 07:00	02/12/19 09:40

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-164447-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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)

Client Sample ID: RFW-20
Date Collected: 02/10/19 08:50
Date Received: 02/12/19 09:40

Lab Sample ID: 680-164447-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			02/22/19 13:29	1
Benzene	<0.50		0.50	0.082	ug/L			02/22/19 13:29	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/22/19 13:29	1
Bromoform	<0.50		0.50	0.17	ug/L			02/22/19 13:29	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/22/19 13:29	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/22/19 13:29	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:29	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/22/19 13:29	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/22/19 13:29	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/22/19 13:29	1
Chloroform	<0.50		0.50	0.20	ug/L			02/22/19 13:29	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/22/19 13:29	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/22/19 13:29	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/22/19 13:29	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 13:29	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/22/19 13:29	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/22/19 13:29	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/22/19 13:29	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/22/19 13:29	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/22/19 13:29	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/22/19 13:29	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/22/19 13:29	1
Dichlorodifluoromethane	<0.50	*	0.50	0.34	ug/L			02/22/19 13:29	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/22/19 13:29	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/22/19 13:29	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/22/19 13:29	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/22/19 13:29	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/22/19 13:29	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/22/19 13:29	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/22/19 13:29	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/22/19 13:29	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/22/19 13:29	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/22/19 13:29	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/22/19 13:29	1
Freon 113	<0.50		0.50	0.15	ug/L			02/22/19 13:29	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/22/19 13:29	1
2-Hexanone	<10	*	10	5.0	ug/L			02/22/19 13:29	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/22/19 13:29	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/22/19 13:29	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/22/19 13:29	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/22/19 13:29	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			02/22/19 13:29	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/22/19 13:29	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			02/22/19 13:29	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 13:29	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 13:29	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/22/19 13:29	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:29	1
Styrene	<0.50		0.50	0.089	ug/L			02/22/19 13:29	1

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-164447-1

Client Sample ID: RFW-20
Date Collected: 02/10/19 08:50
Date Received: 02/12/19 09:40

Lab Sample ID: 680-164447-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/22/19 13:29	1
tert-Butyl alcohol	<10		10	1.6	ug/L			02/22/19 13:29	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:29	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/22/19 13:29	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/22/19 13:29	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/22/19 13:29	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/22/19 13:29	1
Toluene	<0.50		0.50	0.086	ug/L			02/22/19 13:29	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 13:29	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/22/19 13:29	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:29	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			02/22/19 13:29	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/22/19 13:29	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/22/19 13:29	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/22/19 13:29	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/22/19 13:29	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/22/19 13:29	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/22/19 13:29	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 13:29	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/22/19 13:29	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/22/19 13:29	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/22/19 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*70 - 130*		*02/22/19 13:29*	*1*
1,2-Dichlorobenzene-d4	*112*		*70 - 130*		*02/22/19 13:29*	*1*

Client Sample ID: RFW-21
Date Collected: 02/10/19 08:00
Date Received: 02/12/19 09:40

Lab Sample ID: 680-164447-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			02/22/19 13:52	1
Benzene	<0.50		0.50	0.082	ug/L			02/22/19 13:52	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/22/19 13:52	1
Bromoform	<0.50		0.50	0.17	ug/L			02/22/19 13:52	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/22/19 13:52	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/22/19 13:52	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:52	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/22/19 13:52	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/22/19 13:52	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/22/19 13:52	1
Chloroform	<0.50		0.50	0.20	ug/L			02/22/19 13:52	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/22/19 13:52	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/22/19 13:52	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/22/19 13:52	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 13:52	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/22/19 13:52	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/22/19 13:52	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/22/19 13:52	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/22/19 13:52	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/22/19 13:52	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/22/19 13:52	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/22/19 13:52	1
Dichlorodifluoromethane	<0.50	*	0.50	0.34	ug/L			02/22/19 13:52	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/22/19 13:52	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/22/19 13:52	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/22/19 13:52	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/22/19 13:52	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/22/19 13:52	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/22/19 13:52	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/22/19 13:52	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/22/19 13:52	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/22/19 13:52	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/22/19 13:52	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/22/19 13:52	1
Freon 113	<0.50		0.50	0.15	ug/L			02/22/19 13:52	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/22/19 13:52	1
2-Hexanone	<10	*	10	5.0	ug/L			02/22/19 13:52	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/22/19 13:52	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/22/19 13:52	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/22/19 13:52	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/22/19 13:52	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			02/22/19 13:52	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/22/19 13:52	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			02/22/19 13:52	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 13:52	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 13:52	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/22/19 13:52	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:52	1
Styrene	<0.50		0.50	0.089	ug/L			02/22/19 13:52	1

Client Sample ID: RFW-21
Date Collected: 02/10/19 08:00
Date Received: 02/12/19 09:40

Lab Sample ID: 680-164447-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/22/19 13:52	1
tert-Butyl alcohol	<10		10	1.6	ug/L			02/22/19 13:52	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:52	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/22/19 13:52	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/22/19 13:52	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/22/19 13:52	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/22/19 13:52	1
Toluene	<0.50		0.50	0.086	ug/L			02/22/19 13:52	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 13:52	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/22/19 13:52	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 13:52	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			02/22/19 13:52	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/22/19 13:52	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/22/19 13:52	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/22/19 13:52	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/22/19 13:52	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/22/19 13:52	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/22/19 13:52	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 13:52	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/22/19 13:52	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/22/19 13:52	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/22/19 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*70 - 130*		*02/22/19 13:52*	*1*
1,2-Dichlorobenzene-d4	*111*		*70 - 130*		*02/22/19 13:52*	*1*

Client Sample ID: Trip Blank
Date Collected: 02/10/19 07:00
Date Received: 02/12/19 09:40

Lab Sample ID: 680-164447-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			02/22/19 12:42	1
Benzene	<0.50		0.50	0.082	ug/L			02/22/19 12:42	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/22/19 12:42	1
Bromoform	<0.50		0.50	0.17	ug/L			02/22/19 12:42	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/22/19 12:42	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/22/19 12:42	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:42	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/22/19 12:42	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/22/19 12:42	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/22/19 12:42	1
Chloroform	<0.50		0.50	0.20	ug/L			02/22/19 12:42	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/22/19 12:42	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/22/19 12:42	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/22/19 12:42	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 12:42	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/22/19 12:42	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/22/19 12:42	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/22/19 12:42	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/22/19 12:42	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/22/19 12:42	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/22/19 12:42	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/22/19 12:42	1
Dichlorodifluoromethane	<0.50	*	0.50	0.34	ug/L			02/22/19 12:42	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/22/19 12:42	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/22/19 12:42	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/22/19 12:42	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/22/19 12:42	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/22/19 12:42	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/22/19 12:42	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/22/19 12:42	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/22/19 12:42	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/22/19 12:42	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/22/19 12:42	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/22/19 12:42	1
Freon 113	<0.50		0.50	0.15	ug/L			02/22/19 12:42	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/22/19 12:42	1
2-Hexanone	<10	*	10	5.0	ug/L			02/22/19 12:42	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/22/19 12:42	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/22/19 12:42	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/22/19 12:42	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/22/19 12:42	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			02/22/19 12:42	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/22/19 12:42	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			02/22/19 12:42	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 12:42	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 12:42	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/22/19 12:42	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:42	1
Styrene	<0.50		0.50	0.089	ug/L			02/22/19 12:42	1

Client Sample ID: Trip Blank
Date Collected: 02/10/19 07:00
Date Received: 02/12/19 09:40

Lab Sample ID: 680-164447-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/22/19 12:42	1
tert-Butyl alcohol	<10		10	1.6	ug/L			02/22/19 12:42	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:42	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/22/19 12:42	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/22/19 12:42	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/22/19 12:42	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/22/19 12:42	1
Toluene	<0.50		0.50	0.086	ug/L			02/22/19 12:42	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 12:42	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/22/19 12:42	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:42	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			02/22/19 12:42	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/22/19 12:42	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/22/19 12:42	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/22/19 12:42	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/22/19 12:42	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/22/19 12:42	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/22/19 12:42	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 12:42	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/22/19 12:42	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/22/19 12:42	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/22/19 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*		*70 - 130*		*02/22/19 12:42*	*1*
1,2-Dichlorobenzene-d4	*111*		*70 - 130*		*02/22/19 12:42*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-559327/8
Matrix: Water
Analysis Batch: 559327

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			02/22/19 12:18	1
Benzene	<0.50		0.50	0.082	ug/L			02/22/19 12:18	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/22/19 12:18	1
Bromoform	<0.50		0.50	0.17	ug/L			02/22/19 12:18	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/22/19 12:18	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/22/19 12:18	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:18	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/22/19 12:18	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/22/19 12:18	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/22/19 12:18	1
Chloroform	<0.50		0.50	0.20	ug/L			02/22/19 12:18	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/22/19 12:18	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/22/19 12:18	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/22/19 12:18	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 12:18	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/22/19 12:18	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/22/19 12:18	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/22/19 12:18	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/22/19 12:18	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/22/19 12:18	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/22/19 12:18	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/22/19 12:18	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			02/22/19 12:18	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/22/19 12:18	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/22/19 12:18	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/22/19 12:18	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/22/19 12:18	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/22/19 12:18	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/22/19 12:18	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/22/19 12:18	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/22/19 12:18	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/22/19 12:18	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/22/19 12:18	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/22/19 12:18	1
Freon 113	<0.50		0.50	0.15	ug/L			02/22/19 12:18	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/22/19 12:18	1
2-Hexanone	<10		10	5.0	ug/L			02/22/19 12:18	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/22/19 12:18	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/22/19 12:18	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/22/19 12:18	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/22/19 12:18	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			02/22/19 12:18	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/22/19 12:18	1
Naphthalene	<1.0		1.0	0.43	ug/L			02/22/19 12:18	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 12:18	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 12:18	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/22/19 12:18	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:18	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-559327/8
Matrix: Water
Analysis Batch: 559327

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.50		0.50	0.089	ug/L			02/22/19 12:18	1
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/22/19 12:18	1
tert-Butyl alcohol	<10		10	1.6	ug/L			02/22/19 12:18	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:18	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/22/19 12:18	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/22/19 12:18	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/22/19 12:18	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/22/19 12:18	1
Toluene	<0.50		0.50	0.086	ug/L			02/22/19 12:18	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/22/19 12:18	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/22/19 12:18	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			02/22/19 12:18	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			02/22/19 12:18	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/22/19 12:18	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/22/19 12:18	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/22/19 12:18	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/22/19 12:18	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/22/19 12:18	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/22/19 12:18	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/22/19 12:18	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/22/19 12:18	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/22/19 12:18	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/22/19 12:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*70 - 130*		*02/22/19 12:18*	*1*
1,2-Dichlorobenzene-d4	*113*		*70 - 130*		*02/22/19 12:18*	*1*

Lab Sample ID: LCS 680-559327/3
Matrix: Water
Analysis Batch: 559327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	109		ug/L		109	70 - 130
Benzene	20.0	20.7		ug/L		104	70 - 130
Bromobenzene	20.0	19.8		ug/L		99	70 - 130
Bromoform	20.0	21.0		ug/L		105	70 - 130
Bromomethane	20.0	14.7		ug/L		73	70 - 130
Carbon tetrachloride	20.0	19.0		ug/L		95	70 - 130
Chlorobenzene	20.0	20.1		ug/L		100	70 - 130
Chlorobromomethane	20.0	20.4		ug/L		102	70 - 130
Chlorodibromomethane	20.0	20.8		ug/L		104	70 - 130
Chloroethane	20.0	19.3		ug/L		97	70 - 130
Chloroform	20.0	18.7		ug/L		94	70 - 130
Chloromethane	20.0	15.1		ug/L		76	70 - 130
2-Chlorotoluene	20.0	21.3		ug/L		107	70 - 130
4-Chlorotoluene	20.0	21.6		ug/L		108	70 - 130
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-559327/3
Matrix: Water
Analysis Batch: 559327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	20.0	22.1		ug/L		111	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	25.2		ug/L		126	70 - 130
Dibromomethane	20.0	19.8		ug/L		99	70 - 130
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130
Dichlorobromomethane	20.0	19.3		ug/L		97	70 - 130
Dichlorodifluoromethane	20.0	13.9	*	ug/L		69	70 - 130
1,1-Dichloroethane	20.0	20.0		ug/L		100	70 - 130
1,2-Dichloroethane	20.0	20.3		ug/L		101	70 - 130
1,1-Dichloroethene	20.0	17.0		ug/L		85	70 - 130
1,2-Dichloropropane	20.0	21.8		ug/L		109	70 - 130
1,3-Dichloropropane	20.0	22.6		ug/L		113	70 - 130
2,2-Dichloropropane	20.0	19.5		ug/L		97	70 - 130
1,1-Dichloropropene	20.0	20.3		ug/L		102	70 - 130
1,3-Dichloropropene, Total	40.0	44.5		ug/L		111	70 - 130
Diisopropyl ether	20.0	20.8		ug/L		104	70 - 130
Ethylbenzene	20.0	21.2		ug/L		106	70 - 130
Ethylene Dibromide	20.0	21.5		ug/L		108	70 - 130
Freon 113	20.0	16.7		ug/L		83	70 - 130
Hexachlorobutadiene	20.0	18.8		ug/L		94	70 - 130
2-Hexanone	100	137	*	ug/L		137	70 - 130
Isopropylbenzene	20.0	20.8		ug/L		104	70 - 130
4-Isopropyltoluene	20.0	21.0		ug/L		105	70 - 130
Methylene Chloride	20.0	19.2		ug/L		96	70 - 130
2-Butanone (MEK)	100	120		ug/L		120	70 - 130
4-Methyl-2-pentanone (MIBK)	100	128		ug/L		128	70 - 130
m-Xylene & p-Xylene	20.0	21.2		ug/L		106	70 - 130
Naphthalene	20.0	27.7	*	ug/L		139	70 - 130
n-Butylbenzene	20.0	21.4		ug/L		107	70 - 130
N-Propylbenzene	20.0	21.7		ug/L		108	70 - 130
o-Xylene	20.0	21.1		ug/L		105	70 - 130
sec-Butylbenzene	20.0	21.0		ug/L		105	70 - 130
Styrene	20.0	22.0		ug/L		110	70 - 130
Tert-amyl methyl ether	20.0	21.9		ug/L		109	70 - 130
tert-Butyl alcohol	200	225		ug/L		112	70 - 130
tert-Butylbenzene	20.0	20.8		ug/L		104	70 - 130
Tert-butyl ethyl ether	20.0	21.0		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	20.0	21.2		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	20.0	24.5		ug/L		122	70 - 130
Tetrachloroethene	20.0	19.8		ug/L		99	70 - 130
Toluene	20.0	20.8		ug/L		104	70 - 130
trans-1,2-Dichloroethene	20.0	19.2		ug/L		96	70 - 130
trans-1,3-Dichloropropene	20.0	22.4		ug/L		112	70 - 130
1,2,3-Trichlorobenzene	20.0	23.1		ug/L		115	70 - 130
1,2,4-Trichlorobenzene	20.0	21.7		ug/L		108	70 - 130
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	70 - 130
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-559327/3
Matrix: Water
Analysis Batch: 559327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	20.0	19.2		ug/L		96	70 - 130
Trichlorofluoromethane	20.0	17.1		ug/L		86	70 - 130
1,2,3-Trichloropropane	20.0	23.6		ug/L		118	70 - 130
Trihalomethanes, Total	80.0	79.8		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	20.0	21.2		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	20.0	21.2		ug/L		106	70 - 130
Vinyl chloride	20.0	16.3		ug/L		81	70 - 130
Xylenes, Total	40.0	42.3		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
1,2-Dichlorobenzene-d4	*111*		*70 - 130*

Lab Sample ID: LCSD 680-559327/4
Matrix: Water
Analysis Batch: 559327

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
Acetone	100	113		ug/L		113	70 - 130	4	20
Benzene	20.0	20.9		ug/L		104	70 - 130	1	20
Bromobenzene	20.0	20.0		ug/L		100	70 - 130	1	20
Bromoform	20.0	20.9		ug/L		104	70 - 130	1	20
Bromomethane	20.0	15.5		ug/L		77	70 - 130	5	20
Carbon tetrachloride	20.0	19.5		ug/L		97	70 - 130	2	20
Chlorobenzene	20.0	20.4		ug/L		102	70 - 130	2	20
Chlorobromomethane	20.0	20.9		ug/L		104	70 - 130	2	20
Chlorodibromomethane	20.0	20.5		ug/L		103	70 - 130	1	20
Chloroethane	20.0	19.7		ug/L		99	70 - 130	2	20
Chloroform	20.0	18.9		ug/L		94	70 - 130	1	20
Chloromethane	20.0	15.0		ug/L		75	70 - 130	1	20
2-Chlorotoluene	20.0	21.4		ug/L		107	70 - 130	0	20
4-Chlorotoluene	20.0	21.4		ug/L		107	70 - 130	1	20
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	22.1		ug/L		111	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	20.0	25.4		ug/L		127	70 - 130	1	20
Dibromomethane	20.0	19.8		ug/L		99	70 - 130	0	20
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130	0	20
1,3-Dichlorobenzene	20.0	20.3		ug/L		102	70 - 130	1	20
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130	0	20
Dichlorobromomethane	20.0	19.1		ug/L		96	70 - 130	1	20
Dichlorodifluoromethane	20.0	14.7		ug/L		74	70 - 130	6	20
1,1-Dichloroethane	20.0	20.1		ug/L		101	70 - 130	1	20
1,2-Dichloroethane	20.0	20.0		ug/L		100	70 - 130	2	20
1,1-Dichloroethene	20.0	18.1		ug/L		90	70 - 130	6	20
1,2-Dichloropropane	20.0	21.7		ug/L		108	70 - 130	1	20
1,3-Dichloropropane	20.0	22.0		ug/L		110	70 - 130	2	20
2,2-Dichloropropane	20.0	19.8		ug/L		99	70 - 130	2	20
1,1-Dichloropropene	20.0	21.0		ug/L		105	70 - 130	3	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-559327/4
Matrix: Water
Analysis Batch: 559327

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichloropropene, Total	40.0	44.2		ug/L		110	70 - 130	1	20
Diisopropyl ether	20.0	21.0		ug/L		105	70 - 130	1	20
Ethylbenzene	20.0	21.4		ug/L		107	70 - 130	1	20
Ethylene Dibromide	20.0	21.5		ug/L		107	70 - 130	0	20
Freon 113	20.0	17.8		ug/L		89	70 - 130	6	20
Hexachlorobutadiene	20.0	19.4		ug/L		97	70 - 130	3	20
2-Hexanone	100	138	*	ug/L		138	70 - 130	0	20
Isopropylbenzene	20.0	21.1		ug/L		106	70 - 130	1	20
4-Isopropyltoluene	20.0	21.3		ug/L		106	70 - 130	2	20
Methylene Chloride	20.0	19.2		ug/L		96	70 - 130	0	20
2-Butanone (MEK)	100	120		ug/L		120	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	100	129		ug/L		129	70 - 130	1	20
m-Xylene & p-Xylene	20.0	21.6		ug/L		108	70 - 130	2	20
Naphthalene	20.0	28.1	*	ug/L		140	70 - 130	1	20
n-Butylbenzene	20.0	21.9		ug/L		110	70 - 130	3	20
N-Propylbenzene	20.0	22.0		ug/L		110	70 - 130	1	20
o-Xylene	20.0	21.3		ug/L		107	70 - 130	1	20
sec-Butylbenzene	20.0	21.4		ug/L		107	70 - 130	2	20
Styrene	20.0	21.9		ug/L		110	70 - 130	0	20
Tert-amyl methyl ether	20.0	21.9		ug/L		110	70 - 130	0	20
tert-Butyl alcohol	200	224		ug/L		112	70 - 130	0	20
tert-Butylbenzene	20.0	21.3		ug/L		106	70 - 130	2	20
Tert-butyl ethyl ether	20.0	20.5		ug/L		103	70 - 130	2	20
1,1,1,2-Tetrachloroethane	20.0	21.2		ug/L		106	70 - 130	0	20
1,1,2,2-Tetrachloroethane	20.0	24.4		ug/L		122	70 - 130	0	20
Tetrachloroethene	20.0	20.2		ug/L		101	70 - 130	2	20
Toluene	20.0	21.0		ug/L		105	70 - 130	1	20
trans-1,2-Dichloroethene	20.0	19.1		ug/L		95	70 - 130	1	20
trans-1,3-Dichloropropene	20.0	22.1		ug/L		110	70 - 130	2	20
1,2,3-Trichlorobenzene	20.0	23.6		ug/L		118	70 - 130	2	20
1,2,4-Trichlorobenzene	20.0	22.1		ug/L		110	70 - 130	2	20
1,1,1-Trichloroethane	20.0	19.7		ug/L		98	70 - 130	4	20
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	70 - 130	0	20
Trichloroethene	20.0	19.7		ug/L		99	70 - 130	2	20
Trichlorofluoromethane	20.0	18.3		ug/L		91	70 - 130	6	20
1,2,3-Trichloropropane	20.0	22.8		ug/L		114	70 - 130	3	20
Trihalomethanes, Total	80.0	79.4		ug/L		99	70 - 130	1	20
1,2,4-Trimethylbenzene	20.0	21.6		ug/L		108	70 - 130	2	20
1,3,5-Trimethylbenzene	20.0	21.5		ug/L		107	70 - 130	1	20
Vinyl chloride	20.0	16.8		ug/L		84	70 - 130	3	20
Xylenes, Total	40.0	42.9		ug/L		107	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
1,2-Dichlorobenzene-d4	*109*		*70 - 130*

GC/MS VOA

Analysis Batch: 559327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-164447-1	RFW-20	Total/NA	Water	524.2	
680-164447-2	RFW-21	Total/NA	Water	524.2	
680-164447-3	Trip Blank	Total/NA	Water	524.2	
MB 680-559327/8	Method Blank	Total/NA	Water	524.2	
LCS 680-559327/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-559327/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Client Sample ID: RFW-20

Lab Sample ID: 680-164447-1

Date Collected: 02/10/19 08:50

Matrix: Water

Date Received: 02/12/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	559327	02/22/19 13:29	DAS	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: RFW-21

Lab Sample ID: 680-164447-2

Date Collected: 02/10/19 08:00

Matrix: Water

Date Received: 02/12/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	559327	02/22/19 13:52	DAS	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: Trip Blank

Lab Sample ID: 680-164447-3

Date Collected: 02/10/19 07:00

Matrix: Water

Date Received: 02/12/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	559327	02/22/19 12:42	DAS	TAL SAV
	Instrument ID: CMSU									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Conner, Keaton	Carrier Tracking No(s):	COC No: 680-101196-39863.1
Client Contact: ~~Mr. Tom Contact~~ Greg Flasuski	Phone:	E-Mail: keaton.conner@testamericainc.com		Page: Page 1 of 1
Company: Weston Solutions, Inc.				Job #:

Address: 1400 Weston Way PO BOX 2653	Due Date Requested:	Analysis Requested	Preservation Codes:
City: West Chester	TAT Requested (days):		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)
State, Zip: PA, 19380			
Phone: 610-701-3779(Tel)	PO #: 0092682		
Email: ~~tom.contact@westonsolutions.com~~ Greg.Flasuski@	WO #: 02501.004.005		
Project Name: Quarterly	Project #: 68002345		Other:
Site:	SSOW#:		

Sample Identification	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)	524.2_Preserved - (MOD) Custom Sublist Template	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RFW-20	2/10/19	850	G	Water			3		
RFW-21	2/10/19	800	G	Water			3		
Trip Blank	2/10/19	700	G	Water			2		
				Water					
				Water					

680-164447 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/11/19 1600	Company: Weston	Received by: ~~Fedex~~ FedEx
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by: Date/Time: 02/12/19 0940 Company: SAW

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: S.S (CF) 5.6° C

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-164447-1

Login Number: 164447
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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.	N/A	
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	

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-164447-1

Laboratory: TestAmerica Savannah

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Maryland	State Program	3	250	12-31-19

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-165107-1
Client Project/Site: Black & Decker

For:
Weston Solutions, Inc.
1400 Weston Way
PO BOX 2653
West Chester, Pennsylvania 19380

Attn: Greg Flasinski

Authorized for release by:
3/7/2019 11:25:35 AM

Keaton Conner, Project Manager I
(813)885-7427
keaton.conner@testamericainc.com

Job ID: 680-165107-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Weston Solutions, Inc.
Project: Black & Decker

Report Number: 680-165107-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 2/27/2019 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Hamp-23 (680-165107-1), Hamp-22 (680-165107-2) and Trip Blank (680-165107-3) were analyzed for Volatile organic Compounds (GC-MS) in accordance with EPA Method 524.2. The samples were analyzed on 03/06/2019 and 03/07/2019.

The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) for analytical batch 680-560679 recovered outside control limits for the following analytes: Naphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The following analyt recovered outside control limits for the LCSD associated with analytical batch 680-560680: Chloromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-560680.

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

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-165107-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-165107-1	Hamp-23	Water	02/25/19 12:00	02/27/19 09:20
680-165107-2	Hamp-22	Water	02/25/19 12:10	02/27/19 09:20
680-165107-3	Trip Blank	Water	02/25/19 11:00	02/27/19 09:20

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-165107-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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)

Client Sample ID: Hamp-23
Date Collected: 02/25/19 12:00
Date Received: 02/27/19 09:20

Lab Sample ID: 680-165107-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			03/07/19 03:17	1
Benzene	<0.50		0.50	0.082	ug/L			03/07/19 03:17	1
Bromobenzene	<0.50		0.50	0.091	ug/L			03/07/19 03:17	1
Bromoform	<0.50		0.50	0.17	ug/L			03/07/19 03:17	1
Bromomethane	<1.0		1.0	0.20	ug/L			03/07/19 03:17	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			03/07/19 03:17	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:17	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			03/07/19 03:17	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			03/07/19 03:17	1
Chloroethane	<1.0		1.0	0.22	ug/L			03/07/19 03:17	1
Chloroform	<0.50		0.50	0.20	ug/L			03/07/19 03:17	1
Chloromethane	<0.50	*	0.50	0.15	ug/L			03/07/19 03:17	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			03/07/19 03:17	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			03/07/19 03:17	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/07/19 03:17	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			03/07/19 03:17	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			03/07/19 03:17	1
Dibromomethane	<0.50		0.50	0.16	ug/L			03/07/19 03:17	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			03/07/19 03:17	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			03/07/19 03:17	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			03/07/19 03:17	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			03/07/19 03:17	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			03/07/19 03:17	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			03/07/19 03:17	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			03/07/19 03:17	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			03/07/19 03:17	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			03/07/19 03:17	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			03/07/19 03:17	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			03/07/19 03:17	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			03/07/19 03:17	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			03/07/19 03:17	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			03/07/19 03:17	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			03/07/19 03:17	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			03/07/19 03:17	1
Freon 113	<0.50		0.50	0.15	ug/L			03/07/19 03:17	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			03/07/19 03:17	1
2-Hexanone	<10		10	5.0	ug/L			03/07/19 03:17	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			03/07/19 03:17	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			03/07/19 03:17	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			03/07/19 03:17	1
2-Butanone (MEK)	<10		10	5.0	ug/L			03/07/19 03:17	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			03/07/19 03:17	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			03/07/19 03:17	1
Naphthalene	<1.0		1.0	0.43	ug/L			03/07/19 03:17	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 03:17	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 03:17	1
o-Xylene	<0.50		0.50	0.086	ug/L			03/07/19 03:17	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:17	1
Styrene	<0.50		0.50	0.089	ug/L			03/07/19 03:17	1

Client Sample ID: Hamp-23
Date Collected: 02/25/19 12:00
Date Received: 02/27/19 09:20

Lab Sample ID: 680-165107-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			03/07/19 03:17	1
tert-Butyl alcohol	<10		10	1.6	ug/L			03/07/19 03:17	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:17	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			03/07/19 03:17	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			03/07/19 03:17	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			03/07/19 03:17	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			03/07/19 03:17	1
Toluene	<0.50		0.50	0.086	ug/L			03/07/19 03:17	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/07/19 03:17	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			03/07/19 03:17	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:17	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			03/07/19 03:17	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			03/07/19 03:17	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			03/07/19 03:17	1
Trichloroethene	<0.50		0.50	0.13	ug/L			03/07/19 03:17	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			03/07/19 03:17	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			03/07/19 03:17	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			03/07/19 03:17	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 03:17	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			03/07/19 03:17	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			03/07/19 03:17	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			03/07/19 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*03/07/19 03:17*	*1*
1,2-Dichlorobenzene-d4	*110*		*70 - 130*		*03/07/19 03:17*	*1*

Client Sample ID: Hamp-22
Date Collected: 02/25/19 12:10
Date Received: 02/27/19 09:20

Lab Sample ID: 680-165107-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			03/07/19 03:40	1
Benzene	<0.50		0.50	0.082	ug/L			03/07/19 03:40	1
Bromobenzene	<0.50		0.50	0.091	ug/L			03/07/19 03:40	1
Bromoform	<0.50		0.50	0.17	ug/L			03/07/19 03:40	1
Bromomethane	<1.0		1.0	0.20	ug/L			03/07/19 03:40	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			03/07/19 03:40	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:40	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			03/07/19 03:40	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			03/07/19 03:40	1
Chloroethane	<1.0		1.0	0.22	ug/L			03/07/19 03:40	1
Chloroform	<0.50		0.50	0.20	ug/L			03/07/19 03:40	1
Chloromethane	<0.50	*	0.50	0.15	ug/L			03/07/19 03:40	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			03/07/19 03:40	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			03/07/19 03:40	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/07/19 03:40	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			03/07/19 03:40	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			03/07/19 03:40	1
Dibromomethane	<0.50		0.50	0.16	ug/L			03/07/19 03:40	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			03/07/19 03:40	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			03/07/19 03:40	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			03/07/19 03:40	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			03/07/19 03:40	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			03/07/19 03:40	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			03/07/19 03:40	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			03/07/19 03:40	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			03/07/19 03:40	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			03/07/19 03:40	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			03/07/19 03:40	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			03/07/19 03:40	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			03/07/19 03:40	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			03/07/19 03:40	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			03/07/19 03:40	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			03/07/19 03:40	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			03/07/19 03:40	1
Freon 113	<0.50		0.50	0.15	ug/L			03/07/19 03:40	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			03/07/19 03:40	1
2-Hexanone	<10		10	5.0	ug/L			03/07/19 03:40	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			03/07/19 03:40	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			03/07/19 03:40	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			03/07/19 03:40	1
2-Butanone (MEK)	<10		10	5.0	ug/L			03/07/19 03:40	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			03/07/19 03:40	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			03/07/19 03:40	1
Naphthalene	<1.0		1.0	0.43	ug/L			03/07/19 03:40	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 03:40	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 03:40	1
o-Xylene	<0.50		0.50	0.086	ug/L			03/07/19 03:40	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:40	1
Styrene	<0.50		0.50	0.089	ug/L			03/07/19 03:40	1

Client Sample ID: Hamp-22
Date Collected: 02/25/19 12:10
Date Received: 02/27/19 09:20

Lab Sample ID: 680-165107-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			03/07/19 03:40	1
tert-Butyl alcohol	<10		10	1.6	ug/L			03/07/19 03:40	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:40	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			03/07/19 03:40	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			03/07/19 03:40	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			03/07/19 03:40	1
Tetrachloroethene	**1.1**		0.50	0.18	ug/L			03/07/19 03:40	1
Toluene	<0.50		0.50	0.086	ug/L			03/07/19 03:40	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/07/19 03:40	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			03/07/19 03:40	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			03/07/19 03:40	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			03/07/19 03:40	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			03/07/19 03:40	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			03/07/19 03:40	1
Trichloroethene	<0.50		0.50	0.13	ug/L			03/07/19 03:40	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			03/07/19 03:40	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			03/07/19 03:40	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			03/07/19 03:40	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 03:40	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			03/07/19 03:40	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			03/07/19 03:40	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			03/07/19 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*03/07/19 03:40*	*1*
1,2-Dichlorobenzene-d4	*109*		*70 - 130*		*03/07/19 03:40*	*1*

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-165107-1

Client Sample ID: Trip Blank
Date Collected: 02/25/19 11:00
Date Received: 02/27/19 09:20

Lab Sample ID: 680-165107-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			03/06/19 13:17	1
Benzene	<0.50		0.50	0.082	ug/L			03/06/19 13:17	1
Bromobenzene	<0.50		0.50	0.091	ug/L			03/06/19 13:17	1
Bromoform	<0.50		0.50	0.17	ug/L			03/06/19 13:17	1
Bromomethane	<1.0		1.0	0.20	ug/L			03/06/19 13:17	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			03/06/19 13:17	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			03/06/19 13:17	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			03/06/19 13:17	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			03/06/19 13:17	1
Chloroethane	<1.0		1.0	0.22	ug/L			03/06/19 13:17	1
Chloroform	**0.81**		0.50	0.20	ug/L			03/06/19 13:17	1
Chloromethane	<0.50		0.50	0.15	ug/L			03/06/19 13:17	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			03/06/19 13:17	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			03/06/19 13:17	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/06/19 13:17	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			03/06/19 13:17	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			03/06/19 13:17	1
Dibromomethane	<0.50		0.50	0.16	ug/L			03/06/19 13:17	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			03/06/19 13:17	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			03/06/19 13:17	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			03/06/19 13:17	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			03/06/19 13:17	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			03/06/19 13:17	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			03/06/19 13:17	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			03/06/19 13:17	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			03/06/19 13:17	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			03/06/19 13:17	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			03/06/19 13:17	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			03/06/19 13:17	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			03/06/19 13:17	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			03/06/19 13:17	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			03/06/19 13:17	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			03/06/19 13:17	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			03/06/19 13:17	1
Freon 113	<0.50		0.50	0.15	ug/L			03/06/19 13:17	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			03/06/19 13:17	1
2-Hexanone	<10		10	5.0	ug/L			03/06/19 13:17	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			03/06/19 13:17	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			03/06/19 13:17	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			03/06/19 13:17	1
2-Butanone (MEK)	<10		10	5.0	ug/L			03/06/19 13:17	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			03/06/19 13:17	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			03/06/19 13:17	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			03/06/19 13:17	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			03/06/19 13:17	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			03/06/19 13:17	1
o-Xylene	<0.50		0.50	0.086	ug/L			03/06/19 13:17	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			03/06/19 13:17	1
Styrene	<0.50		0.50	0.089	ug/L			03/06/19 13:17	1

Client Sample ID: Trip Blank
Date Collected: 02/25/19 11:00
Date Received: 02/27/19 09:20

Lab Sample ID: 680-165107-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			03/06/19 13:17	1
tert-Butyl alcohol	<10		10	1.6	ug/L			03/06/19 13:17	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			03/06/19 13:17	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			03/06/19 13:17	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			03/06/19 13:17	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			03/06/19 13:17	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			03/06/19 13:17	1
Toluene	<0.50		0.50	0.086	ug/L			03/06/19 13:17	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/06/19 13:17	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			03/06/19 13:17	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			03/06/19 13:17	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			03/06/19 13:17	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			03/06/19 13:17	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			03/06/19 13:17	1
Trichloroethene	<0.50		0.50	0.13	ug/L			03/06/19 13:17	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			03/06/19 13:17	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			03/06/19 13:17	1
Trihalomethanes, Total	**0.81**		0.50	0.079	ug/L			03/06/19 13:17	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			03/06/19 13:17	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			03/06/19 13:17	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			03/06/19 13:17	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			03/06/19 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*03/06/19 13:17*	*1*
1,2-Dichlorobenzene-d4	*113*		*70 - 130*		*03/06/19 13:17*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-560679/8
Matrix: Water
Analysis Batch: 560679

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			03/06/19 12:31	1
Benzene	<0.50		0.50	0.082	ug/L			03/06/19 12:31	1
Bromobenzene	<0.50		0.50	0.091	ug/L			03/06/19 12:31	1
Bromoform	<0.50		0.50	0.17	ug/L			03/06/19 12:31	1
Bromomethane	<1.0		1.0	0.20	ug/L			03/06/19 12:31	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			03/06/19 12:31	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			03/06/19 12:31	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			03/06/19 12:31	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			03/06/19 12:31	1
Chloroethane	<1.0		1.0	0.22	ug/L			03/06/19 12:31	1
Chloroform	<0.50		0.50	0.20	ug/L			03/06/19 12:31	1
Chloromethane	<0.50		0.50	0.15	ug/L			03/06/19 12:31	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			03/06/19 12:31	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			03/06/19 12:31	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/06/19 12:31	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			03/06/19 12:31	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			03/06/19 12:31	1
Dibromomethane	<0.50		0.50	0.16	ug/L			03/06/19 12:31	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			03/06/19 12:31	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			03/06/19 12:31	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			03/06/19 12:31	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			03/06/19 12:31	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			03/06/19 12:31	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			03/06/19 12:31	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			03/06/19 12:31	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			03/06/19 12:31	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			03/06/19 12:31	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			03/06/19 12:31	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			03/06/19 12:31	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			03/06/19 12:31	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			03/06/19 12:31	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			03/06/19 12:31	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			03/06/19 12:31	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			03/06/19 12:31	1
Freon 113	<0.50		0.50	0.15	ug/L			03/06/19 12:31	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			03/06/19 12:31	1
2-Hexanone	<10		10	5.0	ug/L			03/06/19 12:31	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			03/06/19 12:31	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			03/06/19 12:31	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			03/06/19 12:31	1
2-Butanone (MEK)	<10		10	5.0	ug/L			03/06/19 12:31	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			03/06/19 12:31	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			03/06/19 12:31	1
Naphthalene	<1.0		1.0	0.43	ug/L			03/06/19 12:31	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			03/06/19 12:31	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			03/06/19 12:31	1
o-Xylene	<0.50		0.50	0.086	ug/L			03/06/19 12:31	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			03/06/19 12:31	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-560679/8
Matrix: Water
Analysis Batch: 560679

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.50		0.50	0.089	ug/L			03/06/19 12:31	1
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			03/06/19 12:31	1
tert-Butyl alcohol	<10		10	1.6	ug/L			03/06/19 12:31	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			03/06/19 12:31	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			03/06/19 12:31	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			03/06/19 12:31	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			03/06/19 12:31	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			03/06/19 12:31	1
Toluene	<0.50		0.50	0.086	ug/L			03/06/19 12:31	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/06/19 12:31	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			03/06/19 12:31	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			03/06/19 12:31	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			03/06/19 12:31	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			03/06/19 12:31	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			03/06/19 12:31	1
Trichloroethene	<0.50		0.50	0.13	ug/L			03/06/19 12:31	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			03/06/19 12:31	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			03/06/19 12:31	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			03/06/19 12:31	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			03/06/19 12:31	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			03/06/19 12:31	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			03/06/19 12:31	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			03/06/19 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*03/06/19 12:31*	*1*
1,2-Dichlorobenzene-d4	*112*		*70 - 130*		*03/06/19 12:31*	*1*

Lab Sample ID: LCS 680-560679/3
Matrix: Water
Analysis Batch: 560679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	88.5		ug/L		89	70 - 130
Benzene	20.0	21.9		ug/L		110	70 - 130
Bromobenzene	20.0	20.6		ug/L		103	70 - 130
Bromoform	20.0	20.2		ug/L		101	70 - 130
Bromomethane	20.0	16.3		ug/L		82	70 - 130
Carbon tetrachloride	20.0	20.6		ug/L		103	70 - 130
Chlorobenzene	20.0	21.1		ug/L		105	70 - 130
Chlorobromomethane	20.0	20.1		ug/L		101	70 - 130
Chlorodibromomethane	20.0	20.4		ug/L		102	70 - 130
Chloroethane	20.0	19.6		ug/L		98	70 - 130
Chloroform	20.0	19.5		ug/L		98	70 - 130
Chloromethane	20.0	16.5		ug/L		83	70 - 130
2-Chlorotoluene	20.0	22.7		ug/L		114	70 - 130
4-Chlorotoluene	20.0	22.8		ug/L		114	70 - 130
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-560679/3
Matrix: Water
Analysis Batch: 560679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	20.0	21.9		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.7		ug/L		108	70 - 130
Dibromomethane	20.0	20.4		ug/L		102	70 - 130
1,2-Dichlorobenzene	20.0	21.7		ug/L		109	70 - 130
1,3-Dichlorobenzene	20.0	21.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	20.0	21.5		ug/L		108	70 - 130
Dichlorobromomethane	20.0	20.4		ug/L		102	70 - 130
Dichlorodifluoromethane	20.0	16.5		ug/L		82	70 - 130
1,1-Dichloroethane	20.0	20.5		ug/L		102	70 - 130
1,2-Dichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1-Dichloroethene	20.0	17.8		ug/L		89	70 - 130
1,2-Dichloropropane	20.0	22.4		ug/L		112	70 - 130
1,3-Dichloropropane	20.0	21.9		ug/L		109	70 - 130
2,2-Dichloropropane	20.0	21.6		ug/L		108	70 - 130
1,1-Dichloropropene	20.0	22.0		ug/L		110	70 - 130
1,3-Dichloropropene, Total	40.0	43.6		ug/L		109	70 - 130
Diisopropyl ether	20.0	21.0		ug/L		105	70 - 130
Ethylbenzene	20.0	22.5		ug/L		112	70 - 130
Ethylene Dibromide	20.0	20.9		ug/L		105	70 - 130
Freon 113	20.0	17.8		ug/L		89	70 - 130
Hexachlorobutadiene	20.0	20.5		ug/L		102	70 - 130
2-Hexanone	100	119		ug/L		119	70 - 130
Isopropylbenzene	20.0	22.3		ug/L		112	70 - 130
4-Isopropyltoluene	20.0	22.2		ug/L		111	70 - 130
Methylene Chloride	20.0	18.2		ug/L		91	70 - 130
2-Butanone (MEK)	100	99.5		ug/L		100	70 - 130
4-Methyl-2-pentanone (MIBK)	100	116		ug/L		116	70 - 130
m-Xylene & p-Xylene	20.0	22.9		ug/L		114	70 - 130
Naphthalene	20.0	24.9		ug/L		124	70 - 130
n-Butylbenzene	20.0	23.7		ug/L		119	70 - 130
N-Propylbenzene	20.0	23.1		ug/L		115	70 - 130
o-Xylene	20.0	22.3		ug/L		111	70 - 130
sec-Butylbenzene	20.0	22.4		ug/L		112	70 - 130
Styrene	20.0	23.0		ug/L		115	70 - 130
Tert-amyl methyl ether	20.0	20.8		ug/L		104	70 - 130
tert-Butyl alcohol	200	162		ug/L		81	70 - 130
tert-Butylbenzene	20.0	21.9		ug/L		110	70 - 130
Tert-butyl ethyl ether	20.0	20.2		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	20.0	21.3		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	20.0	23.0		ug/L		115	70 - 130
Tetrachloroethene	20.0	21.0		ug/L		105	70 - 130
Toluene	20.0	21.6		ug/L		108	70 - 130
trans-1,2-Dichloroethene	20.0	19.7		ug/L		99	70 - 130
trans-1,3-Dichloropropene	20.0	21.7		ug/L		108	70 - 130
1,2,3-Trichlorobenzene	20.0	22.2		ug/L		111	70 - 130
1,2,4-Trichlorobenzene	20.0	22.1		ug/L		110	70 - 130
1,1,1-Trichloroethane	20.0	20.9		ug/L		104	70 - 130
1,1,2-Trichloroethane	20.0	21.6		ug/L		108	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-560679/3
Matrix: Water
Analysis Batch: 560679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	20.0	20.5		ug/L		103	70 - 130
Trichlorofluoromethane	20.0	18.3		ug/L		91	70 - 130
1,2,3-Trichloropropane	20.0	22.2		ug/L		111	70 - 130
Trihalomethanes, Total	80.0	80.5		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	20.0	22.7		ug/L		114	70 - 130
1,3,5-Trimethylbenzene	20.0	22.5		ug/L		112	70 - 130
Vinyl chloride	20.0	16.9		ug/L		84	70 - 130
Xylenes, Total	40.0	45.1		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
1,2-Dichlorobenzene-d4	*114*		*70 - 130*

Lab Sample ID: LCSD 680-560679/4
Matrix: Water
Analysis Batch: 560679

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
Acetone	100	93.1		ug/L		93	70 - 130	5	20
Benzene	20.0	21.5		ug/L		108	70 - 130	2	20
Bromobenzene	20.0	21.5		ug/L		107	70 - 130	4	20
Bromoform	20.0	21.0		ug/L		105	70 - 130	4	20
Bromomethane	20.0	17.3		ug/L		86	70 - 130	6	20
Carbon tetrachloride	20.0	20.1		ug/L		101	70 - 130	2	20
Chlorobenzene	20.0	20.8		ug/L		104	70 - 130	1	20
Chlorobromomethane	20.0	20.4		ug/L		102	70 - 130	1	20
Chlorodibromomethane	20.0	21.1		ug/L		106	70 - 130	3	20
Chloroethane	20.0	19.8		ug/L		99	70 - 130	1	20
Chloroform	20.0	19.5		ug/L		98	70 - 130	0	20
Chloromethane	20.0	16.3		ug/L		82	70 - 130	1	20
2-Chlorotoluene	20.0	23.2		ug/L		116	70 - 130	2	20
4-Chlorotoluene	20.0	23.2		ug/L		116	70 - 130	2	20
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	21.7		ug/L		109	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	20.0	22.8		ug/L		114	70 - 130	5	20
Dibromomethane	20.0	20.6		ug/L		103	70 - 130	1	20
1,2-Dichlorobenzene	20.0	21.9		ug/L		109	70 - 130	1	20
1,3-Dichlorobenzene	20.0	21.5		ug/L		108	70 - 130	2	20
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	70 - 130	0	20
Dichlorobromomethane	20.0	20.3		ug/L		101	70 - 130	1	20
Dichlorodifluoromethane	20.0	16.6		ug/L		83	70 - 130	1	20
1,1-Dichloroethane	20.0	21.5		ug/L		107	70 - 130	5	20
1,2-Dichloroethane	20.0	20.8		ug/L		104	70 - 130	2	20
1,1-Dichloroethene	20.0	17.2		ug/L		86	70 - 130	4	20
1,2-Dichloropropane	20.0	22.3		ug/L		111	70 - 130	0	20
1,3-Dichloropropane	20.0	21.9		ug/L		109	70 - 130	0	20
2,2-Dichloropropane	20.0	21.2		ug/L		106	70 - 130	2	20
1,1-Dichloropropene	20.0	22.2		ug/L		111	70 - 130	1	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-560679/4
Matrix: Water
Analysis Batch: 560679

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichloropropene, Total	40.0	43.2		ug/L		108	70 - 130	1	20
Diisopropyl ether	20.0	21.8		ug/L		109	70 - 130	4	20
Ethylbenzene	20.0	23.3		ug/L		116	70 - 130	4	20
Ethylene Dibromide	20.0	21.2		ug/L		106	70 - 130	1	20
Freon 113	20.0	18.0		ug/L		90	70 - 130	1	20
Hexachlorobutadiene	20.0	20.8		ug/L		104	70 - 130	2	20
2-Hexanone	100	129		ug/L		129	70 - 130	8	20
Isopropylbenzene	20.0	23.1		ug/L		116	70 - 130	4	20
4-Isopropyltoluene	20.0	22.9		ug/L		114	70 - 130	3	20
Methylene Chloride	20.0	18.6		ug/L		93	70 - 130	2	20
2-Butanone (MEK)	100	108		ug/L		108	70 - 130	8	20
4-Methyl-2-pentanone (MIBK)	100	122		ug/L		122	70 - 130	5	20
m-Xylene & p-Xylene	20.0	23.4		ug/L		117	70 - 130	3	20
Naphthalene	20.0	26.5	*	ug/L		132	70 - 130	6	20
n-Butylbenzene	20.0	24.1		ug/L		120	70 - 130	1	20
N-Propylbenzene	20.0	23.8		ug/L		119	70 - 130	3	20
o-Xylene	20.0	23.0		ug/L		115	70 - 130	3	20
sec-Butylbenzene	20.0	23.1		ug/L		115	70 - 130	3	20
Styrene	20.0	23.7		ug/L		119	70 - 130	3	20
Tert-amyl methyl ether	20.0	21.2		ug/L		106	70 - 130	2	20
tert-Butyl alcohol	200	163		ug/L		81	70 - 130	0	20
tert-Butylbenzene	20.0	22.5		ug/L		113	70 - 130	3	20
Tert-butyl ethyl ether	20.0	20.9		ug/L		104	70 - 130	3	20
1,1,1,2-Tetrachloroethane	20.0	21.8		ug/L		109	70 - 130	2	20
1,1,2,2-Tetrachloroethane	20.0	24.2		ug/L		121	70 - 130	5	20
Tetrachloroethene	20.0	21.6		ug/L		108	70 - 130	3	20
Toluene	20.0	21.7		ug/L		109	70 - 130	0	20
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	70 - 130	2	20
trans-1,3-Dichloropropene	20.0	21.4		ug/L		107	70 - 130	1	20
1,2,3-Trichlorobenzene	20.0	22.8		ug/L		114	70 - 130	3	20
1,2,4-Trichlorobenzene	20.0	22.5		ug/L		113	70 - 130	2	20
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	70 - 130	1	20
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	70 - 130	1	20
Trichloroethene	20.0	20.2		ug/L		101	70 - 130	1	20
Trichlorofluoromethane	20.0	18.5		ug/L		92	70 - 130	1	20
1,2,3-Trichloropropane	20.0	23.8		ug/L		119	70 - 130	7	20
Trihalomethanes, Total	80.0	81.9		ug/L		102	70 - 130	2	20
1,2,4-Trimethylbenzene	20.0	23.3		ug/L		116	70 - 130	2	20
1,3,5-Trimethylbenzene	20.0	23.1		ug/L		115	70 - 130	3	20
Vinyl chloride	20.0	16.9		ug/L		84	70 - 130	0	20
Xylenes, Total	40.0	46.5		ug/L		116	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
1,2-Dichlorobenzene-d4	*112*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-560680/11
Matrix: Water
Analysis Batch: 560680

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			03/07/19 01:20	1
Benzene	<0.50		0.50	0.082	ug/L			03/07/19 01:20	1
Bromobenzene	<0.50		0.50	0.091	ug/L			03/07/19 01:20	1
Bromoform	<0.50		0.50	0.17	ug/L			03/07/19 01:20	1
Bromomethane	<1.0		1.0	0.20	ug/L			03/07/19 01:20	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			03/07/19 01:20	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			03/07/19 01:20	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			03/07/19 01:20	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			03/07/19 01:20	1
Chloroethane	<1.0		1.0	0.22	ug/L			03/07/19 01:20	1
Chloroform	<0.50		0.50	0.20	ug/L			03/07/19 01:20	1
Chloromethane	<0.50		0.50	0.15	ug/L			03/07/19 01:20	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			03/07/19 01:20	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			03/07/19 01:20	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/07/19 01:20	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			03/07/19 01:20	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			03/07/19 01:20	1
Dibromomethane	<0.50		0.50	0.16	ug/L			03/07/19 01:20	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			03/07/19 01:20	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			03/07/19 01:20	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			03/07/19 01:20	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			03/07/19 01:20	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			03/07/19 01:20	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			03/07/19 01:20	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			03/07/19 01:20	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			03/07/19 01:20	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			03/07/19 01:20	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			03/07/19 01:20	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			03/07/19 01:20	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			03/07/19 01:20	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			03/07/19 01:20	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			03/07/19 01:20	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			03/07/19 01:20	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			03/07/19 01:20	1
Freon 113	<0.50		0.50	0.15	ug/L			03/07/19 01:20	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			03/07/19 01:20	1
2-Hexanone	<10		10	5.0	ug/L			03/07/19 01:20	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			03/07/19 01:20	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			03/07/19 01:20	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			03/07/19 01:20	1
2-Butanone (MEK)	<10		10	5.0	ug/L			03/07/19 01:20	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			03/07/19 01:20	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			03/07/19 01:20	1
Naphthalene	<1.0		1.0	0.43	ug/L			03/07/19 01:20	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 01:20	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 01:20	1
o-Xylene	<0.50		0.50	0.086	ug/L			03/07/19 01:20	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			03/07/19 01:20	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-560680/11
Matrix: Water
Analysis Batch: 560680

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.50		0.50	0.089	ug/L			03/07/19 01:20	1
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			03/07/19 01:20	1
tert-Butyl alcohol	<10		10	1.6	ug/L			03/07/19 01:20	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			03/07/19 01:20	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			03/07/19 01:20	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			03/07/19 01:20	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			03/07/19 01:20	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			03/07/19 01:20	1
Toluene	<0.50		0.50	0.086	ug/L			03/07/19 01:20	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			03/07/19 01:20	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			03/07/19 01:20	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			03/07/19 01:20	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			03/07/19 01:20	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			03/07/19 01:20	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			03/07/19 01:20	1
Trichloroethene	<0.50		0.50	0.13	ug/L			03/07/19 01:20	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			03/07/19 01:20	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			03/07/19 01:20	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			03/07/19 01:20	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			03/07/19 01:20	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			03/07/19 01:20	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			03/07/19 01:20	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			03/07/19 01:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*03/07/19 01:20*	*1*
1,2-Dichlorobenzene-d4	*109*		*70 - 130*		*03/07/19 01:20*	*1*

Lab Sample ID: LCS 680-560680/5
Matrix: Water
Analysis Batch: 560680

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	87.7		ug/L		88	70 - 130
Benzene	20.0	21.3		ug/L		106	70 - 130
Bromobenzene	20.0	20.6		ug/L		103	70 - 130
Bromoform	20.0	19.3		ug/L		97	70 - 130
Bromomethane	20.0	17.2		ug/L		86	70 - 130
Carbon tetrachloride	20.0	19.4		ug/L		97	70 - 130
Chlorobenzene	20.0	20.4		ug/L		102	70 - 130
Chlorobromomethane	20.0	19.9		ug/L		99	70 - 130
Chlorodibromomethane	20.0	20.3		ug/L		101	70 - 130
Chloroethane	20.0	18.4		ug/L		92	70 - 130
Chloroform	20.0	18.7		ug/L		93	70 - 130
Chloromethane	20.0	14.2		ug/L		71	70 - 130
2-Chlorotoluene	20.0	21.9		ug/L		109	70 - 130
4-Chlorotoluene	20.0	22.0		ug/L		110	70 - 130
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-560680/5
Matrix: Water
Analysis Batch: 560680

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	20.0	20.4		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.9		ug/L		104	70 - 130
Dibromomethane	20.0	20.2		ug/L		101	70 - 130
1,2-Dichlorobenzene	20.0	21.5		ug/L		107	70 - 130
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	70 - 130
1,4-Dichlorobenzene	20.0	20.9		ug/L		104	70 - 130
Dichlorobromomethane	20.0	19.7		ug/L		99	70 - 130
Dichlorodifluoromethane	20.0	15.6		ug/L		78	70 - 130
1,1-Dichloroethane	20.0	19.6		ug/L		98	70 - 130
1,2-Dichloroethane	20.0	20.9		ug/L		104	70 - 130
1,1-Dichloroethene	20.0	17.4		ug/L		87	70 - 130
1,2-Dichloropropane	20.0	21.9		ug/L		109	70 - 130
1,3-Dichloropropane	20.0	21.7		ug/L		109	70 - 130
2,2-Dichloropropane	20.0	17.5		ug/L		87	70 - 130
1,1-Dichloropropene	20.0	20.7		ug/L		104	70 - 130
1,3-Dichloropropene, Total	40.0	41.2		ug/L		103	70 - 130
Diisopropyl ether	20.0	20.1		ug/L		100	70 - 130
Ethylbenzene	20.0	22.0		ug/L		110	70 - 130
Ethylene Dibromide	20.0	20.8		ug/L		104	70 - 130
Freon 113	20.0	17.3		ug/L		86	70 - 130
Hexachlorobutadiene	20.0	19.4		ug/L		97	70 - 130
2-Hexanone	100	119		ug/L		119	70 - 130
Isopropylbenzene	20.0	21.6		ug/L		108	70 - 130
4-Isopropyltoluene	20.0	21.4		ug/L		107	70 - 130
Methylene Chloride	20.0	18.7		ug/L		94	70 - 130
2-Butanone (MEK)	100	97.5		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	100	113		ug/L		113	70 - 130
m-Xylene & p-Xylene	20.0	22.1		ug/L		110	70 - 130
Naphthalene	20.0	24.8		ug/L		124	70 - 130
n-Butylbenzene	20.0	22.0		ug/L		110	70 - 130
N-Propylbenzene	20.0	22.1		ug/L		110	70 - 130
o-Xylene	20.0	21.7		ug/L		109	70 - 130
sec-Butylbenzene	20.0	21.7		ug/L		109	70 - 130
Styrene	20.0	22.6		ug/L		113	70 - 130
Tert-amyl methyl ether	20.0	20.7		ug/L		103	70 - 130
tert-Butyl alcohol	200	157		ug/L		78	70 - 130
tert-Butylbenzene	20.0	21.5		ug/L		108	70 - 130
Tert-butyl ethyl ether	20.0	19.2		ug/L		96	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.7		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	20.0	22.5		ug/L		112	70 - 130
Tetrachloroethene	20.0	20.4		ug/L		102	70 - 130
Toluene	20.0	20.8		ug/L		104	70 - 130
trans-1,2-Dichloroethene	20.0	18.3		ug/L		92	70 - 130
trans-1,3-Dichloropropene	20.0	20.8		ug/L		104	70 - 130
1,2,3-Trichlorobenzene	20.0	22.0		ug/L		110	70 - 130
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		106	70 - 130
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	70 - 130
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-560680/5
Matrix: Water
Analysis Batch: 560680

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	20.0	19.8		ug/L		99	70 - 130
Trichlorofluoromethane	20.0	17.5		ug/L		87	70 - 130
1,2,3-Trichloropropane	20.0	22.1		ug/L		110	70 - 130
Trihalomethanes, Total	80.0	78.0		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	20.0	22.2		ug/L		111	70 - 130
1,3,5-Trimethylbenzene	20.0	21.8		ug/L		109	70 - 130
Vinyl chloride	20.0	16.0		ug/L		80	70 - 130
Xylenes, Total	40.0	43.8		ug/L		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
1,2-Dichlorobenzene-d4	*111*		*70 - 130*

Lab Sample ID: LCSD 680-560680/6
Matrix: Water
Analysis Batch: 560680

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
Acetone	100	96.0		ug/L		96	70 - 130	9	20
Benzene	20.0	21.7		ug/L		109	70 - 130	2	20
Bromobenzene	20.0	20.5		ug/L		103	70 - 130	1	20
Bromoform	20.0	20.0		ug/L		100	70 - 130	4	20
Bromomethane	20.0	17.6		ug/L		88	70 - 130	2	20
Carbon tetrachloride	20.0	19.5		ug/L		97	70 - 130	0	20
Chlorobenzene	20.0	20.4		ug/L		102	70 - 130	0	20
Chlorobromomethane	20.0	19.9		ug/L		99	70 - 130	0	20
Chlorodibromomethane	20.0	20.8		ug/L		104	70 - 130	3	20
Chloroethane	20.0	18.8		ug/L		94	70 - 130	2	20
Chloroform	20.0	19.2		ug/L		96	70 - 130	3	20
Chloromethane	20.0	13.6	*	ug/L		68	70 - 130	4	20
2-Chlorotoluene	20.0	22.1		ug/L		111	70 - 130	1	20
4-Chlorotoluene	20.0	22.3		ug/L		111	70 - 130	1	20
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	20.0	21.9		ug/L		109	70 - 130	5	20
Dibromomethane	20.0	20.7		ug/L		103	70 - 130	2	20
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130	1	20
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	70 - 130	0	20
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	70 - 130	0	20
Dichlorobromomethane	20.0	20.0		ug/L		100	70 - 130	1	20
Dichlorodifluoromethane	20.0	14.9		ug/L		75	70 - 130	4	20
1,1-Dichloroethane	20.0	19.6		ug/L		98	70 - 130	0	20
1,2-Dichloroethane	20.0	21.0		ug/L		105	70 - 130	0	20
1,1-Dichloroethene	20.0	17.2		ug/L		86	70 - 130	1	20
1,2-Dichloropropane	20.0	22.4		ug/L		112	70 - 130	2	20
1,3-Dichloropropane	20.0	22.2		ug/L		111	70 - 130	2	20
2,2-Dichloropropane	20.0	17.8		ug/L		89	70 - 130	2	20
1,1-Dichloropropene	20.0	20.7		ug/L		104	70 - 130	0	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-560680/6
Matrix: Water
Analysis Batch: 560680

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichloropropene, Total	40.0	41.9		ug/L		105	70 - 130	2	20
Diisopropyl ether	20.0	20.1		ug/L		100	70 - 130	0	20
Ethylbenzene	20.0	22.1		ug/L		110	70 - 130	0	20
Ethylene Dibromide	20.0	20.9		ug/L		105	70 - 130	1	20
Freon 113	20.0	16.5		ug/L		83	70 - 130	5	20
Hexachlorobutadiene	20.0	19.1		ug/L		96	70 - 130	1	20
2-Hexanone	100	124		ug/L		124	70 - 130	4	20
Isopropylbenzene	20.0	21.8		ug/L		109	70 - 130	1	20
4-Isopropyltoluene	20.0	21.6		ug/L		108	70 - 130	1	20
Methylene Chloride	20.0	18.8		ug/L		94	70 - 130	0	20
2-Butanone (MEK)	100	101		ug/L		101	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	100	117		ug/L		117	70 - 130	4	20
m-Xylene & p-Xylene	20.0	22.4		ug/L		112	70 - 130	1	20
Naphthalene	20.0	25.2		ug/L		126	70 - 130	1	20
n-Butylbenzene	20.0	22.0		ug/L		110	70 - 130	0	20
N-Propylbenzene	20.0	22.3		ug/L		111	70 - 130	1	20
o-Xylene	20.0	22.0		ug/L		110	70 - 130	1	20
sec-Butylbenzene	20.0	21.6		ug/L		108	70 - 130	0	20
Styrene	20.0	22.9		ug/L		115	70 - 130	1	20
Tert-amyl methyl ether	20.0	21.0		ug/L		105	70 - 130	1	20
tert-Butyl alcohol	200	162		ug/L		81	70 - 130	3	20
tert-Butylbenzene	20.0	21.6		ug/L		108	70 - 130	0	20
Tert-butyl ethyl ether	20.0	19.6		ug/L		98	70 - 130	2	20
1,1,1,2-Tetrachloroethane	20.0	21.2		ug/L		106	70 - 130	2	20
1,1,2,2-Tetrachloroethane	20.0	23.6		ug/L		118	70 - 130	5	20
Tetrachloroethene	20.0	20.4		ug/L		102	70 - 130	0	20
Toluene	20.0	21.0		ug/L		105	70 - 130	1	20
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	70 - 130	2	20
trans-1,3-Dichloropropene	20.0	21.1		ug/L		105	70 - 130	1	20
1,2,3-Trichlorobenzene	20.0	22.2		ug/L		111	70 - 130	1	20
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		105	70 - 130	0	20
1,1,1-Trichloroethane	20.0	19.7		ug/L		98	70 - 130	0	20
1,1,2-Trichloroethane	20.0	21.9		ug/L		109	70 - 130	4	20
Trichloroethene	20.0	19.8		ug/L		99	70 - 130	0	20
Trichlorofluoromethane	20.0	17.0		ug/L		85	70 - 130	3	20
1,2,3-Trichloropropane	20.0	22.4		ug/L		112	70 - 130	2	20
Trihalomethanes, Total	80.0	80.0		ug/L		100	70 - 130	3	20
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	70 - 130	0	20
1,3,5-Trimethylbenzene	20.0	21.9		ug/L		109	70 - 130	1	20
Vinyl chloride	20.0	15.4		ug/L		77	70 - 130	4	20
Xylenes, Total	40.0	44.4		ug/L		111	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
1,2-Dichlorobenzene-d4	*113*		*70 - 130*

GC/MS VOA

Analysis Batch: 560679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-165107-3	Trip Blank	Total/NA	Water	524.2	
MB 680-560679/8	Method Blank	Total/NA	Water	524.2	
LCS 680-560679/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-560679/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Analysis Batch: 560680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-165107-1	Hamp-23	Total/NA	Water	524.2	
680-165107-2	Hamp-22	Total/NA	Water	524.2	
MB 680-560680/11	Method Blank	Total/NA	Water	524.2	
LCS 680-560680/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-560680/6	Lab Control Sample Dup	Total/NA	Water	524.2	

Client Sample ID: Hamp-23

Lab Sample ID: 680-165107-1

Date Collected: 02/25/19 12:00

Matrix: Water

Date Received: 02/27/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	560680	03/07/19 03:17	UI	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: Hamp-22

Lab Sample ID: 680-165107-2

Date Collected: 02/25/19 12:10

Matrix: Water

Date Received: 02/27/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	560680	03/07/19 03:40	UI	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: Trip Blank

Lab Sample ID: 680-165107-3

Date Collected: 02/25/19 11:00

Matrix: Water

Date Received: 02/27/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	560679	03/06/19 13:17	DAS	TAL SAV
	Instrument ID: CMSU									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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

(optional)

Report To Contact: Greg Fleswski
Company:
Address:
Address:
Phone: 610.721.0583
Fax:
E-Mail:

(optional)

Bill To Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Lab Job #:
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler:

Western Solutions

Client: Black + Decker
Client Project #:
Project Name: 02501.004.005.0001
Project Location/State: Hampstead Md
Lab Project #:
Sampler: Greg Fleswski
Lab PM:

Preservative: HCl
Parameter: VOC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC	5	2	4	2	Comments
		Hamp-23	2/25/19	1200	3	W	/					
		Hamp-22		1210	3	W	/					
		Trip Blank		1100	2	W	/					

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

680-165107 Chain of Custody

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 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
	Western	2/26/19	1600		Sw.	2-27-19	0920
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
						3.8(CF)4.0C	

Lab Courier
Shipped
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:

TAL-4124-500 (1209)

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-165107-1

Login Number: 165107
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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	

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Black & Decker

TestAmerica Job ID: 680-165107-1

Laboratory: TestAmerica Savannah

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Maryland	State Program	3	250	12-31-19