Quarterly Groundwater Monitoring Report

Prepared for

Black & Decker (U.S.) Inc.

Hampstead, Maryland

October 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 July through September 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 July through September 2019, the extraction wells were pumping at an average combined rate of approximately 193 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 July through September 2019 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July through September 2019, approximately 7.14 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) (57 %) and tetrachloroethene (PCE) (43 %). Analytical results of the groundwater collected from the air stripper for the period of July through September 2019 are included in Appendix C.

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

Table 2-1
Treatment System Pumping Records - 3rd Quarter 2019
Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
July 2019	8,400,527
August 2019	6,313,370
September 2019	6,694,117

Table 2-2
Groundwater Elevation Data - 3rd Quarter 2019
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	7/19/2019		8/2/2019		9/4/2019	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	90.67	758.54	91.10	758.11	90.80	758.41
EW-3	846.64	118	94.35	752.29	94.90	751.74	94.56	752.08
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	91.85	772.32	92.10	772.07	91.90	772.27
EW-6	831.98	115	90.30	741.68	88.35	743.63	90.56	741.42
EW-7	818.38	78	86.43	731.95	83.24	735.14	81.55	736.83
EW-8	811.13	98	90.80	720.33	91.25	719.88	91.40	719.73
EW-9	811.35	141	99.50	711.85	99.78	711.57	100.25	711.10
EW-10	807.74	INA	55.26	752.48	58.40	749.34	60.22	747.52
RFW-1A	864.37	78	50.26	814.11	51.02	813.35	51.26	813.11
RFW-1B	864.23	200	50.28	813.95	51.05	813.18	51.30	812.93
RFW-2A	857.41	35	12.95	844.46	13.17	844.24	13.25	844.16
RFW-2B	857.73	75	13.52	844.21	13.92	843.81	14.08	843.65
RFW-3B	839.21	153	27.25	811.96	27.33	811.88	27.51	811.70
RFW-4A	830.37	62	34.26	796.11	34.63	795.74	34.74	795.63
RFW-4B	830.37	120	34.19	796.18	34.60	795.77	34.70	795.67
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	3.72	781.32	2.47	782.57	4.43	780.61
RFW-7	805.14	29	6.08	799.06	5.48	799.66	5.95	799.19
RFW-8	860.07	56	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	24.35	837.67	24.67	837.35	24.71	837.31
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	61.59	788.03	61.84	787.78	62.43	787.19
RFW-12B	844.87	264	52.16	792.71	51.73	793.14	51.77	793.10
RFW-13	849.11	150	58.26	790.85	59.72	789.39	60.03	789.08
RFW-14B	812.39	281	52.08	760.31	52.81	759.58	53.28	759.11
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	23.68	810.98	23.20	811.46	23.98	810.68
RFW-20	842.49	142	30.96	811.53	31.05	811.44	31.52	810.97
RFW-21	832.65	102	18.87	813.78	19.14	813.51	19.43	813.22
PH-7	805.94	89	30.85	775.09	31.35	774.59	32.73	773.21
PH-9	814.94	98	44.73	770.21	45.21	769.73	44.67	770.27
PH-11	820.68	78	43.87	776.81	45.01	775.67	44.17	776.51
PH-12	828.35	87	49.43	778.92	41.36	786.99	41.56	786.79
B-3	803.02	83	NA	NC	NA	NC	NA	NC
Amoco	842.29	INA	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	INA	1.95	803.01	0.87	804.09	1.53	803.43
Pembroke #1	INA	INA	8.88	NC	8.93	NC	9.17	NC
Pembroke #2	INA	INA	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	INA	INA	9.17	NC	9.53	NC	8.48	NC
E. Century St.	INA	INA	9.89	NC	9.19	NC	10.11	NC
Lwr. Beckleys. Rd.	INA	INA	50.99	NC	51.73	NC	51.82	NC

NA - Not Available/Not Accessible

NC - Not Calculable

INA - Information not available

PC - Pump Cycles

* - Well not pumping

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

Discharge Number	Parameter		Units	Permit Limits	Discharge Monitoring Report Date		
					July 2019	August 2019	September 2019
001 (Monitoring Point)	FLOW	average	MGD	NA	0.332	0.131	0.102
		maximum	MGD	NA	1.037	0.564	0.275
	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	7.9	7.4	7.7
		maximum	STD	8.5	8.4	8.3	8.4
	BOD		mg/l	15	3.0	9.0	< 2
	TSS	maximum	mg/l	30	< 5	< 5	7
		monthly average	mg/l	20	< 5	< 5	7
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	0.233
		maximum	MGD	NA	NR	NR	0.336
	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 - August 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	2.3 J	2.4 J	2.1 J	2.4 J	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	0.5 J	1 U	1 U	1 U
1,2-Dichloroethene (total)	ug/L	NS	1.8	1.2	1 U	1 U	1 U	2	18	1 U	1 U	1 U
Chloroform	ug/L	NS	2 U	2 U	2 U	2 U	2 U	2 U	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	99	14	54	76	2.9	1.1	3.4	0.45 J	0.47 J	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	39	0.5 J	1.2	2.7	7.8	3.3	38	92	91	5.1
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	1 U	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 - August 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	2.5 J	2.5 J	2.3 J	2.4 J	3.7 J	3.6 J	3.5 J	3 J	NS	2.9 J	2.9 J	NS	3 J	NS
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 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	1.1	NS
1,2-Dichloroethene (total)	ug/L	1 U	1 U	1 U	1 U	0.5 J	0.8 J	0.7 J	3.4	NS	1 U	1 U	NS	25	NS
Chloroform	ug/L	2 U	2 U	2 U	2 U	2 U	0.5 J	0.5 J	1 J	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	0.5 U	0.5 U	20	20	38	NS	0.2 J	0.5 U	NS	5.4	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	0.4 J	16	17	56	NS	0.5 J	1 U	NS	6.1	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	0.5 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
cn = Possible lab contamination
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 - August 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	0.5 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	3 J	3.2 J	3.3 J	NS	2.6 J	ABD	ABD	ABD	4.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	NS	10 U	10 U	10 U	NS	10 U	ABD	ABD	ABD	7.9 J	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	2 U	2 U	2 U	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	2.1	4.5	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	0.5 U
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	0.5 U	72	2.2	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
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	5.2	8.2	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.67	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, the highest concentration of PCE was detected in the groundwater sample collected from 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 (July through September 2019) is provided 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 activities).

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

Date	Event/Corrective Action
Jul-19	Alarm at the stripper, blower failure due to a high water column. Reset the system, the system is running properly.
Jul-19	Power outage, reset the system, the system is back up and running.
Aug-19	A strong storm resulted in electrical damage and shut-down of the treatment system on 8/22/19. Replacement of PLC unit modules, a pressure transmitter within the facility building that controls water pressure and the exterior primary flow meter was necessary. Regular function of the treatment system was restored on 8/30/19 upon replacement of the PLC modules and pressure transmititer. Replacement of the outdated flow meter unit will require additional repairs to fiberglass influent piping by specialized conractor and will be completed in October 2019.
Sep-19	Alarm at the stripper, there was a faulty relay in EW-7. The relay was replaced and the system is back up and running.

4. RECOMMENDATIONS

For the reporting period of July through September 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
(JULY – SEPTEMBER 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

Additional Op's & cert # - Garrett Scheller 2500, Dorrance Jones 0763,Jessica Fierro 3463,Andrew Bradley 0780,Martin Whitt 0666,Chris Childers 10783, Chris Dallas 6202

Superintendent: David Coale Certification # 1662

Month: July

Year: 2019

	Final Effluent outfall 001															Outfall 101						Outfall 201				
Date	Appearance	Discharge MGD	pH su	Cl2 mg/l	Tetrachloroethylene ug/l	1,1-Trichloroethane 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	Trichloroethane ug/l	Discharge mgd	Operator
1	Clear	0.16700	8.11	0.00												0.000000		0"	0.0	0.0	0.0				0.261700	J. Fierro
2	Clear	0.15100	7.91	0.00				2.60	<5			<0.1		<2		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.235415	G. Scheller
3	Clear	0.63600														0.000000		0"	0.0	0.0	0.0				0.318430	G. Scheller
4	Clear	0.20300														0.000000		0"	0.0	0.0	0.0				0.254087	G. Scheller
5	Clear	0.23100														0.000000		0"	0.0	0.0	0.0				0.290214	G. Scheller
6	Clear	0.61100														0.000000		0"	0.0	0.0	0.0				0.279740	D.Jones
7	Clear	0.39700														0.000000		0"	0.0	0.0	0.0				0.260157	D.Jones
8	Clear	0.42900	8.28	0.00												0.000000		0"	0.0	0.0	0.0				0.229778	A.Bradley
9	Clear	0.88300	7.93	0.00												0.000000		0"	0.0	0.0	0.0				0.268600	A.Bradley
10	Clear	0.36300														0.000000		0"	0.0	0.0	0.0				0.329582	A.Bradley
11	Clear	0.35600														0.000000		0"	0.0	0.0	0.0				0.273419	M Whitt
12	Clear	0.88100														0.000000		0"	0.0	0.0	0.0				0.272309	M Whitt
13	Clear	0.34500														0.000000		0"	0.0	0.0	0.0				0.277490	G. Scheller
14	Clear	0.22600														0.000000		0"	0.0	0.0	0.0				0.268710	G. Scheller
15	Clear	0.19500	8.35	0.00												0.000000		0"	0.0	0.0	0.0				0.269955	G. Scheller
16	Clear	0.19900	8.12	0.00												0.000000		0"	0.0	0.0	0.0				0.282641	G. Scheller
17	Clear	0.20800														0.000000		0"	0.0	0.0	0.0				0.270636	G. Scheller
18	Clear	0.41800														0.000000		0"	0.0	0.0	0.0				0.273338	C Childers
19	Clear	0.22900														0.000000		0"	0.0	0.0	0.0				0.274867	C Childers
20	Clear	0.14700														0.000000		0"	0.0	0.0	0.0				0.197153	J. Fierro
21	Clear	0.22600														0.000000		0"	0.0	0.0	0.0				0.336272	J. Fierro
22	Clear	0.26800	8.26	0.00												0.000000		0"	0.0	0.0	0.0				0.271866	C Childers
23	Clear	1.03700	8.02	0.00												0.000000		0"	0.0	0.0	0.0				0.244138	C Childers
24	Clear	0.20500														0.000000		0"	0.0	0.0	0.0				0.262464	C Childers
25	Clear	0.19900														0.000000		0"	0.0	0.0	0.0				0.281866	G. Scheller
26	Clear	0.17600														0.000000		0"	0.0	0.0	0.0				0.270455	G. Scheller
27	Clear	0.18200														0.000000		0"	0.0	0.0	0.0				0.270755	C. Dallas
28	Clear	0.17700														0.000000		0"	0.0	0.0	0.0				0.272429	C. Dallas
29	Clear	0.18200	8.19	0.00												0.000000		0"	0.0	0.0	0.0				0.263559	G. Scheller
30	Clear	0.17700	8.30	0.00												0.000000		0"	0.0	0.0	0.0				0.266010	G. Scheller
31	Clear	0.17200														0.000000		0"	0.0	0.0	0.0				0.272492	G. Scheller
Total		10.27600														0.000000									8.400527	
Average		0.33148		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	3	0	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.270985	
Minimum		0.14700	7.9	0.00	0	0	0	3	0	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.197153	MOR
Maximum		1.03700	8.4	<0.10	0	0	0	3	0	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.336272	8/20/2019

ENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

Operated By
Maryland Environmental Service
259 Najoles Road, Millersville MD

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Additional Op's & cert # - Garrett Scheller 2500, Dorrance Jones 0763,Jessica Fierro 3463,Chris Childers 100783

Superintendent David Coale Certification # 1662

Month August
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	0.19100														0.000000		0"	0.0	0.0	0.0				0.272880	G. Scheller
2	Clear	0.11000														0.000000		0"	0.0	0.0	0.0				0.263281	G. Scheller
3	Clear	0.10600														0.000000		0"	0.0	0.0	0.0				0.276307	D Jones
4	Clear	0.15800														0.000000		0"	0.0	0.0	0.0				0.258230	D Jones
5	Clear	0.09100	7.49	0.00												0.000000		0"	0.0	0.0	0.0				0.265636	C Childers
6	Clear	0.10400	7.38	0.00				9.30	<5			<0.1		<2		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.215883	C Childers
7	Clear	0.16800														0.000000		0"	0.0	0.0	0.0				0.320537	C Childers
8	Clear	0.16100														0.000000		0"	0.0	0.0	0.0				0.256570	C Childers
9	Clear	0.12400														0.000000		0"	0.0	0.0	0.0				0.265849	C Childers
10	Clear	0.12600														0.000000		0"	0.0	0.0	0.0				0.282132	G. Scheller
11	Clear	0.12500														0.000000		0"	0.0	0.0	0.0				0.256369	G. Scheller
12	Clear	0.11900	7.56	0.00												0.000000		0"	0.0	0.0	0.0				0.272411	G. Scheller
13	Clear	0.16300	7.85	0.00												0.000000		0"	0.0	0.0	0.0				0.274796	G. Scheller
14	Clear	0.18800														0.000000		0"	0.0	0.0	0.0				0.257120	G. Scheller
15	Clear	0.10200														0.000000		0"	0.0	0.0	0.0				0.259435	G. Scheller
16	Clear	0.18000														0.000000		0"	0.0	0.0	0.0				0.276522	G. Scheller
17	Clear	0.15100														0.000000		0"	0.0	0.0	0.0				0.238784	J. Fierro
18	Clear	0.22600														0.000000		0"	0.0	0.0	0.0				0.286295	J. Fierro
19	Clear	0.17200	8.07	0.00												0.000000		0"	0.0	0.0	0.0				0.264863	G. Scheller
20	Clear	0.16000	7.82	0.00												0.000000		0"	0.0	0.0	0.0				0.258412	G. Scheller
21	Clear	0.16400														0.000000		0"	0.0	0.0	0.0				0.256084	G. Scheller
22	Clear	0.12200														0.000000		0"	0.0	0.0	0.0				0.236753	G. Scheller
23	Clear	0.56400														0.000000		0"	0.0	0.0	0.0				0.171375	G. Scheller
24	Clear	0.17900														0.000000		0"	0.0	0.0	0.0				0.171157	D Jones
25	Clear	0.00220														0.000000		0"	0.0	0.0	0.0				0.020324	D Jones
26	Clear	0.03700	8.27	0.00												0.000000		0"	0.0	0.0	0.0				0.028170	G. Scheller
27	Clear	0.02700	7.78	0.00												0.000000		0"	0.0	0.0	0.0				0.041410	G. Scheller
28	Clear	0.02500														0.000000		0"	0.0	0.0	0.0				0.021324	G. Scheller
29	Clear	0.00700														0.000000		0"	0.0	0.0	0.0				0.016456	G. Scheller
30	Clear	0.00020														0.000000		0"	0.0	0.0	0.0				0.014445	G. Scheller
31	Clear	0.00090														0.000000		0"	0.0	0.0	0.0				0.013560	C Childers
Total		4.05330														0.000000									6.313370	
Average		0.13075		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	9	0	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.203657	
Minimum		0.00020	7.4	0.00	0	0	0	9	0	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013560	MOR
Maximum		0.56400	8.3	<0.10	0	0	0	9	0	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.320537	9/20/2019

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: September Year: 2019

Additional Op's & cert # - Garrett Scheller 2500, Chris Dallas 6202, Dorrance Jones 0763,Jessica Fierro 3463,Chris Childers 10783

	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	BOD5 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	0.00510														0.000000		0"	0.0	0.0	0.0				0.223410	C Childers
2	Clear	0.02600	7.89	0.00												0.000000		0"	0.0	0.0	0.0				0.207850	G. Scheller
3	Clear	0.27500	8.31	0.00												0.000000		0"	0.0	0.0	0.0				0.207720	G. Scheller
4	Clear	0.11300						<2	7.00			0.11		<2		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.202666	G. Scheller
5	Clear	0.24800														0.000000		0"	0.0	0.0	0.0				0.233490	C. Dallas
6	Clear	0.14900														0.000000		0"	0.0	0.0	0.0				0.220340	C Childers
7	Clear	0.08100														0.000000		0"	0.0	0.0	0.0				0.213920	C. Dallas
8	Clear	0.24100														0.000000		0"	0.0	0.0	0.0				0.213640	C. Dallas
9	Clear	0.10000	8.05	0.00												0.000000		0"	0.0	0.0	0.0				0.214040	G. Scheller
10	Clear	0.10300	8.20	0.00												0.000000		0"	0.0	0.0	0.0				0.224490	G. Scheller
11	Clear	0.09600														0.000000		0"	0.0	0.0	0.0				0.226664	G. Scheller
12	Clear	0.19200														0.000000		0"	0.0	0.0	0.0				0.227717	G. Scheller
13	Clear	0.19000														0.000000		0"	0.0	0.0	0.0				0.213520	G. Scheller
14	Clear	0.05100														0.000000		0"	0.0	0.0	0.0				0.218580	J. Fierro
15	Clear	0.12300														0.000000		0"	0.0	0.0	0.0				0.220057	J. Fierro
16	Clear	0.08000	8.26	0.00												0.000000		0"	0.0	0.0	0.0				0.204420	G. Scheller
17	Clear	0.14400	8.38	0.00												0.000000		0"	0.0	0.0	0.0				0.227730	G. Scheller
18	Clear	0.07900														0.000000		0"	0.0	0.0	0.0				0.210420	C. Dallas
19	Clear	0.05700														0.000000		0"	0.0	0.0	0.0				0.240018	G. Scheller
20	Clear	0.04300														0.000000		0"	0.0	0.0	0.0				0.227712	G. Scheller
21	Clear	0.03200														0.000000		0"	0.0	0.0	0.0				0.225574	D Jones
22	Clear	0.05500														0.000000		0"	0.0	0.0	0.0				0.240060	D Jones
23	Clear	0.05500	7.89	0.00												0.000000		0"	0.0	0.0	0.0				0.240099	G. Scheller
24	Clear	0.04600	7.74	0.00												0.000000		0"	0.0	0.0	0.0				0.240058	G. Scheller
25	Clear	0.05700														0.000000		0"	0.0	0.0	0.0				0.252212	G. Scheller
26	Clear	0.05200														0.000000		0"	0.0	0.0	0.0				0.226648	G. Scheller
27	Clear	0.06800														0.000000		0"	0.0	0.0	0.0				0.226613	G. Scheller
28	Clear	0.07100														0.000000		0"	0.0	0.0	0.0				0.226645	C Childers
29	Clear	0.12200														0.000000		0"	0.0	0.0	0.0				0.225546	C Childers
30	Clear	0.10700	8.25	0.00												0.000000		0"	0.0	0.0	0.0				0.212258	G. Scheller
31																										
Total		3.06110														0.000000									6.694117	
Average		0.10204		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	0	7	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.223137	
Minimum		0.00510	7.7	0.00	0	0	0	0	7	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.202666	MOR
Maximum		0.27500	8.4	<0.10	0	0	0	0	7	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.252212	10/18/2019

APPENDIX B
DISCHARGE MONITORING REPORTS
(JULY - SEPTEMBER 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 07/01/19 to 07/31/19**	**DMR Due Date:**	**10/28/19**	**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										=	3	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						=	7.9			=	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								=	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	=	0.3315	=	1.037	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
19BlackandDeckerWWTP07.pdf	pdf	1349716

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-08-20 13:37 (Time Zone: -04:00)

Report Last Signed By

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

Date/Time: 2019-08-21 16:02 (Time Zone: -04:00)

[redacted]

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 07/01/19 to 07/31/19**	**DMR Due Date:**	**08/28/19**	**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. Value NODI							Req Mon DAILY AV C - No Discharge		Req Mon WKLY AVG C - No Discharge		Req Mon DAILY MX 15 - deg F C - No Discharge		24/01 - Hourly	IT - Immersion Stabilization
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon MO AVG C - No Discharge		Req Mon DAILY MX 03 - MGD C - No Discharge									01/30 - Monthly	MS - MEASRD

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
19BlackandDeckerWWTP07.pdf	pdf	1349716

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-08-20 13:37 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-08-21 16:02 (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 HAMPSTEAD, MD 21074
Permitted Feature:	101 External Outfall	**Discharge:**	**101-A2** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 07/01/19 to 07/31/19**	**DMR Due Date:**	**10/28/19**	**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			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														01/07 - Weekly	MS - MEASRD
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX 07 - gal/d											
					Value NODI		C - No Discharge		C - No Discharge											
51040	E. coli	1 - Effluent Gross	0	--	Sample														01/07 - Weekly	GR - GRAB
					Permit Req.						<=			126 MX WK AV			30 - MPN/100mL			
					Value NODI									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
19BlackandDeckerWWTP07.pdf	pdf	1349716

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-08-20 13:38 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-08-21 16:02 (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 HAMPSTEAD, MD 21074
Permitted Feature:	102 External Outfall	**Discharge:**	**102-A4** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 07/01/19 to 07/31/19**	**DMR Due Date:**	**10/28/19**	**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	0	--	Sample															
					Permit Req.	<=	22 MX DA AV			26 - lb/d			<=	4 4 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]	EA - Effluent Adjusted Value	0	--	Sample															
					Permit Req.	<=	6 5 MX MO AV			26 - lb/d			<=	1 3 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						

00665 Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample Permit Req. Value NODI			Req Mon MO TOTAL C - No Discharge	76 - lb/mo					01/30 - Monthly	CA - CALCTD
00665 Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample Permit Req. Value NODI		<=	548 CUM TOTL C - No Discharge	50 - lb/yr					01/30 - Monthly	CA - CALCTD
00665 Phosphorus, total [as P]	EG - Effluent Gross	0	--	Sample Permit Req. Value NODI	<=	1.5 MX MO AV C - No Discharge		26 - lb/d	<=	3 MX MO AV C - No Discharge	19 - mg/L		01/30 - Monthly	CA - CALCTD
04175 Phosphate, ortho [as P]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon MO AVG C - No Discharge	19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon MO AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	03 - MGD					99/99 - Continuous	RF - RCDFLO
51040 E. coli	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI					<=	60 MO MAX C - No Discharge	30 - MPN/100mL		01/07 - Weekly	GR - GRAB
82220 Flow, total	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon MO TOTAL C - No Discharge	80 - Mgal/mo					01/30 - Monthly	CA - CALCTD

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
19BlackandDeckerWWTP07.pdf	pdf	1349716

Report Last Saved By

BTR HAMPSTEAD,LLC.

User: AMYKLINE
Name: Amy Kline
E-Mail: akline@menv.com
Date/Time: 2019-08-20 13:38 (Time Zone: -04:00)

Report Last Signed By

User: JAYJANNEY
Name: Jay Janney
E-Mail: jjann@menv.com
Date/Time: 2019-08-21 16:02 (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 HAMPSTEAD, MD 21074
Permitted Feature:	102 External Outfall	**Discharge:**	102-A4 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 08/01/19 to 08/31/19**	**DMR Due Date:**	**10/28/19**	**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	0	--	Sample															
					Permit Req.	<=	22 MX DA AV			26 - lb/d			<=	4.4 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]	EA - Effluent Adjusted Value	0	--	Sample															
					Permit Req.	<=	6.5 MX MO AV			26 - lb/d			<=	1.3 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						

00665 Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample Permit Req. Value NODI			Req Mon MO TOTAL C - No Discharge	76 - lb/mo				01/30 - Monthly	CA - CALCTD
00665 Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample Permit Req. Value NODI		<=	548 CUM TOTL C - No Discharge	50 - lb/yr				01/30 - Monthly	CA - CALCTD
00665 Phosphorus, total [as P]	EG - Effluent Gross	0	--	Sample Permit Req. Value NODI	<=	1.5 MX MO AV C - No Discharge		26 - lb/d	<=	.3 MX MO AV C - No Discharge	19 - mg/L	01/30 - Monthly	CA - CALCTD
04175 Phosphate, ortho [as P]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon MO AVG C - No Discharge	19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon MO AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	03 - MGD				99/99 - Continuous	RF - RCDFLO
51040 E. coli	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI					<=	60 MO MAX C - No Discharge	30 - MPN/100mL	01/07 - Weekly	GR - GRAB
82220 Flow, total	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon MO TOTAL C - No Discharge	80 - Mgal/mo				01/30 - Monthly	CA - CALCTD

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
19BlackandDeckerWWTP08.pdf	pdf	1308237

Report Last Saved By

BTR HAMPSTEAD,LLC.

User: AMYKLINE
Name: Amy Kline
E-Mail: akline@menv.com
Date/Time: 2019-09-20 11:52 (Time Zone: -04:00)

Report Last Signed By

User: JAYJANNEY
Name: Jay Janney
E-Mail: jjann@menv.com
Date/Time: 2019-09-24 10:56 (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 HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	**Discharge:**	001-A1 16-DP-0022		

Report Dates & Status

Monitoring Period:	From 08/01/19 to 08/31/19	**DMR Due Date:**	10/28/19	**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										=	9	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						=	7.4			=	8.3	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	=	0.1308	=	0.564	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
19BlackandDeckerWWTP08.pdf	pdf	1308237

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-09-20 11:51 (Time Zone: -04:00)

Report Last Signed By

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

Date/Time: 2019-09-24 10:56 (Time Zone: -04:00)

[redacted]

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 08/01/19 to 08/31/19**	**DMR Due Date:**	**09/28/19**	**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. Value NODI							Req Mon DAILY AV C - No Discharge		Req Mon WKLY AVG C - No Discharge		Req Mon DAILY MX 15 - deg F C - No Discharge		24/01 - Hourly	IT - Immersion Stabilization
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon MO AVG C - No Discharge		Req Mon DAILY MX 03 - MGD C - No Discharge									01/30 - Monthly	MS - MEASRD

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
19BlackandDeckerWWTP08.pdf	pdf	1308237

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-09-20 11:51 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-09-24 10:56 (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 HAMPSTEAD, MD 21074
Permitted Feature:	101 External Outfall	**Discharge:**	**101-A2** 16-DP-0022		

Report Dates & Status

Monitoring Period:	From 08/01/19 to 08/31/19	**DMR Due Date:**	10/28/19	**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			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														01/07 - Weekly	MS - MEASRD
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX 07 - gal/d											
					Value NODI		C - No Discharge		C - No Discharge											
51040	E. coli	1 - Effluent Gross	0	--	Sample														01/07 - Weekly	GR - GRAB
					Permit Req.						<=	126 MX WK AV				30	MPN/100mL			
					Value NODI							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
19BlackandDeckerWWTP08.pdf	pdf	1308237

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-09-20 11:51 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-09-24 10:56 (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 HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A1** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 09/01/19 to 09/30/19**	**DMR Due Date:**	**10/28/19**	**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										=	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 7			=	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								=	7	=	7	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								=	0.1			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	=	0.102	=	0.275	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
19BlackandDeckerWWTP09.pdf	pdf	2017767

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-10-18 14:30 (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 HAMPSTEAD, MD 21074
Permitted Feature:	001 External Outfall	**Discharge:**	001-A5 PROPOSED		

Report Dates & Status

Monitoring Period:	From 09/01/19 to 09/30/19	**DMR Due Date:**	10/28/19	**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. Value NODI							Req Mon DAILY AV C - No Discharge		Req Mon WKLY AVG C - No Discharge		Req Mon DAILY MX 15 - deg F C - No Discharge			24/01 - Hourly	IT - Immersion Stabilization
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon MO AVG C - No Discharge		Req Mon DAILY MX 03 - MGD C - No Discharge										01/30 - Monthly	MS - MEASRD

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
19BlackandDeckerWWTP09.pdf	pdf	2017767

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-10-18 14:30 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-10-21 07:46 (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 HAMPSTEAD, MD 21074
Permitted Feature:	101 External Outfall	**Discharge:**	**101-A2** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 09/01/19 to 09/30/19**	**DMR Due Date:**	**10/28/19**	**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			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon MO AVG C - No Discharge		Req Mon DAILY MX 07 - gal/d C - No Discharge									01/07 - Weekly	MS - MEASRD
51040	E. coli	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						<=	126 MX WK AV C - No Discharge				30	30 - MPN/100mL	01/07 - Weekly	GR - GRAB

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
19BlackandDeckerWWTP09.pdf	pdf	2017767

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-10-18 14:30 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-10-21 07:46 (Time Zone: -04:00)

00665 Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample									01/30 - Monthly	CA - CALCTD
				Permit Req.			Req Mon MO TOTAL	76 - lb/mo						
				Value NODI			C - No Discharge							
00665 Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample									01/30 - Monthly	CA - CALCTD
				Permit Req.		<=	548 CUM TOTL	50 - lb/yr						
				Value NODI			C - No Discharge							
00665 Phosphorus, total [as P]	EG - Effluent Gross	0	--	Sample									01/30 - Monthly	CA - CALCTD
				Permit Req.	<=	1.5 MX MO AV		26 - lb/d	<=	3 MX MO AV	19 - mg/L			
				Value NODI		C - No Discharge				C - No Discharge				
04175 Phosphate, ortho [as P]	1 - Effluent Gross	0	--	Sample									02/07 - Twice Every Week	CA - CALCTD
				Permit Req.						Req Mon MO AVG	19 - mg/L			
				Value NODI						C - No Discharge				
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample									99/99 - Continuous	RF - RCDFLO
				Permit Req.		Req Mon MO AVG	Req Mon DAILY MX	03 - MGD						
				Value NODI		C - No Discharge	C - No Discharge							
51040 E. coli	1 - Effluent Gross	0	--	Sample									01/07 - Weekly	GR - GRAB
				Permit Req.					<=	60 MO MAX	30 - MPN/100mL			
				Value NODI						C - No Discharge				
82220 Flow, total	1 - Effluent Gross	0	--	Sample									01/30 - Monthly	CA - CALCTD
				Permit Req.			Req Mon MO TOTAL	80 - Mgal/mo						
				Value NODI			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
19BlackandDeckerWWTP09.pdf	pdf	2017767

Report Last Saved By

BTR HAMPSTEAD,LLC.

User: AMYKLINE
Name: Amy Kline
E-Mail: akline@menv.com
Date/Time: 2019-10-18 14:30 (Time Zone: -04:00)

Report Last Signed By

User: JAYJANNEY
Name: Jay Janney
E-Mail: jjann@menv.com
Date/Time: 2019-10-21 07:46 (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 HAMPSTEAD, MD 21074
Permitted Feature:	102 External Outfall	**Discharge:**	**102-A4** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 09/01/19 to 09/30/19**	**DMR Due Date:**	**10/28/19**	**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 C - No Discharge					19 - mg/L	02/01 - Twice Per Day	CA - CALCTD
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	225 MX WK AV C - No Discharge			26 - lb/d			<=	45 MX WK AV C - No Discharge			19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
					Value NODI															
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	150 MX MO AV C - No Discharge			26 - lb/d			<=	30 MX MO AV C - No Discharge			19 - mg/L	01/30 - Monthly	CA - CALCTD
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM C - No Discharge			<=	8.5 MAXIMUM C - No Discharge	12 - SU	02/01 - Twice Per Day	CA - CALCTD
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	113 MX WK AV C - No Discharge			26 - lb/d			<=	23 MX WK AV C - No Discharge			19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL C - No Discharge	76 - lb/mo								01/30 - Monthly	CA - CALCTD
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	2	--	Sample															
					Permit Req.			<=	27397 CUM TOTL C - No Discharge	50 - lb/yr								01/30 - Monthly	CA - CALCTD
					Value NODI															
00530	Solids, total suspended	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	75 MX MO AV C - No Discharge			26 - lb/d			<=	15 MX MO AV C - No Discharge			19 - mg/L	01/30 - Monthly	CA - CALCTD
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG C - No Discharge			19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL C - No Discharge	76 - lb/mo								01/30 - Monthly	CA - CALCTD
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	--	Sample															
					Permit Req.				Req Mon CUM TOTL C - No Discharge	50 - lb/yr								01/30 - Monthly	CA - CALCTD
					Value NODI															
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG C - No Discharge			19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	22 MX DA AV C - No Discharge			26 - lb/d			<=	4.4 MX DA AV C - No Discharge			19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
					Value NODI															
00610	Nitrogen, ammonia total [as N]	EA - Effluent Adjusted Value	0	--	Sample															
					Permit Req.	<=	6.5 MX MO AV C - No Discharge			26 - lb/d			<=	1.3 MX MO AV C - No Discharge			19 - mg/L	01/30 - Monthly	CA - CALCTD
					Value NODI															
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG C - No Discharge			19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	2.3 MX WK AV C - No Discharge			26 - lb/d			<=	45 MX WK AV C - No Discharge			19 - mg/L	02/07 - Twice Every Week	CA - CALCTD
					Value NODI															

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:	201 External Outfall	**Discharge:**	**201-A3** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 07/01/19 to 09/30/19**	**DMR Due Date:**	**10/28/19**	**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						=	0	=	0			28 - ug/L		01/90 - Quarterly	GR - GRAB
34506	1,1,1-Trichloroethane	1 - Effluent Gross	0	--	Permit Req.							Req Mon MO AVG	<=	5 DAILY MX			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample	=	0.2327	=	0.3363	03 - MGD									01/90 - Quarterly	MS - MEASRD
74076	Flow	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	MS - MEASRD
					Value NODI															
					Sample						=	0	=	0			28 - ug/L		01/90 - Quarterly	GR - GRAB
76029	Organics, tot purgeables [Method 624]	1 - Effluent Gross	0	--	Permit Req.							Req Mon MO AVG	<=	100 DAILY MX			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample						=	0	=	0			28 - ug/L		01/90 - Quarterly	GR - GRAB
78389	Tetrachloroethene	1 - Effluent Gross	0	--	Permit Req.							Req Mon MO AVG	<=	5 DAILY MX			28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample						=	0	=	0			28 - ug/L		01/90 - Quarterly	GR - GRAB
78391	Trichloroethene	1 - Effluent Gross	0	--	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
19BlackandDeckerWWTP09.pdf	pdf	2017767

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-10-18 14:28 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-10-21 07:46 (Time Zone: -04:00)

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS
(JULY - SEPTEMBER 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

July 17, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3043304**
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, July 2, 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: Mr. William Herpel , 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: 3043304 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3043304001	BTR 001	Waste Water	7/2/2019 09:20	7/2/2019 23:00	Collected by Client

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SAMPLE SUMMARY

Workorder: 3043304 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: 3043304 BTR HAMPSTEAD WWTP

Lab ID: **3043304001** Date Collected: 7/2/2019 09:20 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	2.6		mg/L	2.0	S5210B-11			7/3/19 14:45	MXO	C
Oil/Grease Hexane Extractable	ND	1	mg/L	2.0	EPA 1664B			7/8/19 08:30	MPP	A
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	7/9/19 19:53	RXB	7/16/19 18:14	RXB	E
Total Suspended Solids	ND		mg/L	5	S2540D-11			7/9/19 12:47	D1C	C

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3043304 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3043304001	1	BTR 001	EPA 1664B	Oil/Grease Hexane Extractable

The QC sample type MS for method EPA 1664B was outside the control limits for the analyte Oil/Grease Hexane Extractable. The % Recovery was reported as 71.5 and the control limits were 78 to 114.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3043304 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3043304001	BTR 001	EPA 1664B	
3043304001	BTR 001	EPA 365.1	EPA 365.1
3043304001	BTR 001	S2540D-11	
3043304001	BTR 001	S5210B-11	

CHAIN OF CUSTOD ORMATION FORM

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

30433304

Lab # ALS Client Code

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	7/2/19	0920	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	7/2/19	0920	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	7/2/19	0920	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	7/2/19	0920	TSS
BTR 5	BTR 001	Annual Grab	***1 Liter Glass H2S04***	***WW***	***1***	7/2/19	0920	***Oil and Grease /MS***

Transferred by: Garrett Schaller	Received by:	Date 7/2/19	Time 1120
Transferred by:	Received by:	Date 7/2/19	Time 1525
Transferred by:	Received by: COMMON COURIER / ALS COURIER	Date 7/2/19	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:

COMMON COURIER / ALS COURIER

ALS 7/2/19 2300 OC 70318

Block & DECKER

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

Condition of Sample Receipt Form

Client: MES | Work Order #: 3043304 | Initials: VB | Date: 7-3-19

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: 318

Radiological (µCi): ____

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

Non DW

Rev. 4/29/2019

ALS Environmental

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July 8, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3043310**
Purchase Order:	**W/WW**	Workorder ID:	**BTR WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 2, 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: Mr. William Herpel , 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

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Project Coordinator

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3043310 BTR WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3043310001	BTR 201, BTR6	Water	7/2/2019 08:59	7/2/2019 23:00	Collected by Client
3043310002	BTR 201, BTR7	Water	7/2/2019 08:59	7/2/2019 23:00	Collected by Client
3043310003	BTR 201, BTR8	Water	7/2/2019 08:59	7/2/2019 23:00	Collected by Client

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SAMPLE SUMMARY

Workorder: 3043310 BTR WWTP

Notes

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N	Indicates presumptive evidence of the presence of a compound
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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: 3043310 BTR WWTP

Lab ID: **3043310001** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR6** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			7/3/19 22:58	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			7/3/19 22:58	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			7/3/19 22:58	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	83.2		%	72 - 142	EPA 624.1			7/3/19 22:58	PDK	A

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310001** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR6** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	114		%	73 - 119	EPA 624.1			7/3/19 22:58	PDK	A
Dibromofluoromethane (S)	94		%	74 - 132	EPA 624.1			7/3/19 22:58	PDK	A
Toluene-d8 (S)	94.6		%	75 - 133	EPA 624.1			7/3/19 22:58	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310002** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR7** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			7/3/19 23:17	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			7/3/19 23:17	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			7/3/19 23:17	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86		%	72 - 142	EPA 624.1			7/3/19 23:17	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: 3043310 BTR WWTP

Lab ID: **3043310002** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR7** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	114		%	73 - 119	EPA 624.1			7/3/19 23:17	PDK	A
Dibromofluoromethane (S)	92		%	74 - 132	EPA 624.1			7/3/19 23:17	PDK	A
Toluene-d8 (S)	89.6		%	75 - 133	EPA 624.1			7/3/19 23:17	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310003** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR8** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			7/3/19 23:37	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			7/3/19 23:37	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			7/3/19 23:37	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86.3		%	72 - 142	EPA 624.1			7/3/19 23:37	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: 3043310 BTR WWTP

Lab ID: **3043310003** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR8** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	116		%	73 - 119	EPA 624.1			7/3/19 23:37	PDK	A
Dibromofluoromethane (S)	89.7		%	74 - 132	EPA 624.1			7/3/19 23:37	PDK	A
Toluene-d8 (S)	89.7		%	75 - 133	EPA 624.1			7/3/19 23:37	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3043310001	1	BTR 201, BTR6	EPA 624.1	Acrolein
In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.				
3043310002	1	BTR 201, BTR7	EPA 624.1	Acrolein
In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.				
3043310003	1	BTR 201, BTR8	EPA 624.1	Acrolein
In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.				

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3043310 BTR WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3043310001	BTR 201, BTR6	EPA 624.1	
3043310002	BTR 201, BTR7	EPA 624.1	
3043310003	BTR 201, BTR8	EPA 624.1	

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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

3043310

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
BTR6	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	7/2/19	0859	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
BTR7	BTR 201	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3	7/2/19	0859	Volatiles Organics EPA 624 Purgeables
BTR8	BTR 201	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3	7/2/19	0859	Total Volatiles Organics EPA 624 Purgeables

Transferred by: Garrett Schaller	Received by: J Boyer	Date 7/2/19	Time 1150	Cooler Receipt Information **(LAB USE ONLY)**
Transferred by: J Boyer	Received by: [signature] ALS	Date 07/2/19	Time 1553	Sufficient ice? - Yes/No If No, temp.= _____
Transferred by: [signature] ALS	Received by: FEDEX ALS COURIER	Date 7/2/19	Time	Sample containers pres'd? - Yes/No If No, explain
				Custody Seal present/intact? - Yes/No
				Initials: Date:

[signature] 7/2/19 2300 2°C 7458

COMMON COURIER / ALS COURIER

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

Condition of Sample Receipt Form

Client: MES | Work Order #: | Initials: NB | Date: 7-3-19

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): 2

Thermometer ID: 318

Radiological (µCi):

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

Non DW

Rev. 4/29/2019

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August 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:	**3049962**
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, August 7, 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: Mr. William Herpel, Maryland Environmental Services-WWW Data, 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: 3049962 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3049962001	BTR 001	Waste Water	8/6/2019 08:55	8/7/2019 23:10	Collected by Client

ALS Environmental

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SAMPLE SUMMARY

Workorder: 3049962 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: 3049962 BTR HAMPSTEAD WWTP

Lab ID: **3049962001** Date Collected: 8/6/2019 08:55 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 8/7/2019 23:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	9.3		mg/L	2.0	S5210B-11			8/8/19 04:00	BSL	A
Oil/Grease Hexane Extractable	ND		mg/L	2.0	EPA 1664B			8/12/19 10:50	MPP	D
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	8/14/19 14:00	LXB	8/19/19 16:08	RXB	C
Total Suspended Solids	ND		mg/L	5	S2540D-11			8/9/19 10:40	D1C	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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: 3049962 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3049962001	BTR 001	EPA 1664B	
3049962001	BTR 001	EPA 365.1	EPA 365.1
3049962001	BTR 001	S2540D-11	
3049962001	BTR 001	S5210B-11	

ALS

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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

3049962

Lab # [illegible] 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	8/6/19	0855	BOD
BTR2	↓	Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	8/6/19	0855	TP
BTR3	↓	Monthly Grab	1 Liter Glass H2S04	WW	1	8/6/19	0855	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	8/6/19	0855	TSS

Transferred by	Received by	Date	Time
Garrett Scheller	[signature]	8/6/19	11:10
[signature]	[signature]	8/6	1714
[signature] 8/6	COMMON COURIER / ALS COURIER		

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:

COMMON COURIER / ALS COURIER

[signature] ~~8/6/19 2324~~ 8/7/19 2310 (SAS)

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	3049962	JAS	8/8/19

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):	2.6							
Thermometer ID:	318							
Radiological (µCi):	—							

COMMENTS (Required for all NO responses above and any sample non-conformance):
WO - not reportable. JAS/ALS 8/8/19

Rev. 4/29/2019

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

August 12, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3049963**
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, August 7, 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.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

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

CC: Mr. William Herpel, Maryland Environmental Services-WWW Data, 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: 3049963 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3049963001	BTR 201	Water	8/6/2019 08:37	8/7/2019 23:10	Collected by Client

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SAMPLE SUMMARY

Workorder: 3049963 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: 3049963 BTR HAMPSTEAD WWTP

Lab ID: **3049963001** Date Collected: 8/6/2019 08:37 Matrix: Water

Sample ID: **BTR 201** Date Received: 8/7/2019 23:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			8/8/19 10:12	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			8/8/19 10:12	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			8/8/19 10:12	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			8/8/19 10:12	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			8/8/19 10:12	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	116		%	72 - 142	EPA 624.1			8/8/19 10:12	PDK	A

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ANALYTICAL RESULTS

Workorder: 3049963 BTR HAMPSTEAD WWTP

Lab ID: **3049963001** Date Collected: 8/6/2019 08:37 Matrix: Water

Sample ID: **BTR 201** Date Received: 8/7/2019 23:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	115		%	73 - 119	EPA 624.1			8/8/19 10:12	PDK	A
Dibromofluoromethane (S)	106		%	74 - 132	EPA 624.1			8/8/19 10:12	PDK	A
Toluene-d8 (S)	107		%	75 - 133	EPA 624.1			8/8/19 10:12	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3049963 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3049963001	1	BTR 201	EPA 624.1	Acrolein

In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3049963 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3049963001	BTR 201	EPA 624.1	

ALS

3049963

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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

Lab # ALS   Client Code

Sampler Garrett Schuller

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	8/6/19	0837	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]

Transferred by:	Received by:	Date	Time
Transferred by: [signature]	Received by: [signature]	Date 8/6/19	Time 1110
Transferred by: [signature]	Received by: [signature] 1418	Date 8/6	Time 1714
Transferred by: [signature] 8/6	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:

COMMON COURIER / ALS COURIER

[signature]

~~8/6/19 2304~~
8/7/19 2310 (JB)

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

Condition of Sample Receipt Form

Client: MES | Work Order #: 3041963 | Initials: JAS | Date: 8/8/19

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): 2.1

Thermometer ID: 318

Radiological (µCi): —

COMMENTS (Required for all NO responses above and any sample non-conformance):
WO - not reportable. JAS/ALS 8/8/19

Rev. 4/29/2019

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July 8, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3043310**
Purchase Order:	**W/WW**	Workorder ID:	**BTR WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 2, 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: Mr. William Herpel , 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: 3043310 BTR WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3043310001	BTR 201, BTR6	Water	7/2/2019 08:59	7/2/2019 23:00	Collected by Client
3043310002	BTR 201, BTR7	Water	7/2/2019 08:59	7/2/2019 23:00	Collected by Client
3043310003	BTR 201, BTR8	Water	7/2/2019 08:59	7/2/2019 23:00	Collected by Client

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SAMPLE SUMMARY

Workorder: 3043310 BTR 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.
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-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
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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: 3043310 BTR WWTP

Lab ID: **3043310001** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR6** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			7/3/19 22:58	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			7/3/19 22:58	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			7/3/19 22:58	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			7/3/19 22:58	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			7/3/19 22:58	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	83.2		%	72 - 142	EPA 624.1			7/3/19 22:58	PDK	A

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310001** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR6** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	114		%	73 - 119	EPA 624.1			7/3/19 22:58	PDK	A
Dibromofluoromethane (S)	94		%	74 - 132	EPA 624.1			7/3/19 22:58	PDK	A
Toluene-d8 (S)	94.6		%	75 - 133	EPA 624.1			7/3/19 22:58	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310002** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR7** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			7/3/19 23:17	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			7/3/19 23:17	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			7/3/19 23:17	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:17	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			7/3/19 23:17	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86		%	72 - 142	EPA 624.1			7/3/19 23:17	PDK	A

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310002** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR7** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	114		%	73 - 119	EPA 624.1			7/3/19 23:17	PDK	A
Dibromofluoromethane (S)	92		%	74 - 132	EPA 624.1			7/3/19 23:17	PDK	A
Toluene-d8 (S)	89.6		%	75 - 133	EPA 624.1			7/3/19 23:17	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310003** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR8** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			7/3/19 23:37	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			7/3/19 23:37	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			7/3/19 23:37	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			7/3/19 23:37	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			7/3/19 23:37	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	86.3		%	72 - 142	EPA 624.1			7/3/19 23:37	PDK	A

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

Lab ID: **3043310003** Date Collected: 7/2/2019 08:59 Matrix: Water

Sample ID: **BTR 201, BTR8** Date Received: 7/2/2019 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	116		%	73 - 119	EPA 624.1			7/3/19 23:37	PDK	A
Dibromofluoromethane (S)	89.7		%	74 - 132	EPA 624.1			7/3/19 23:37	PDK	A
Toluene-d8 (S)	89.7		%	75 - 133	EPA 624.1			7/3/19 23:37	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3043310 BTR WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3043310001	1	BTR 201, BTR6	EPA 624.1	Acrolein
In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.				
3043310002	1	BTR 201, BTR7	EPA 624.1	Acrolein
In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.				
3043310003	1	BTR 201, BTR8	EPA 624.1	Acrolein
In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.				

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3043310 BTR WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3043310001	BTR 201, BTR6	EPA 624.1	
3043310002	BTR 201, BTR7	EPA 624.1	
3043310003	BTR 201, BTR8	EPA 624.1	

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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

30433310

Lab # ALS Client Code

Sampler Garrett Schuller

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
BTR6	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	7/2/19	0859	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
BTR7	BTR 201	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3	7/2/19	0859	Volatiles Organics EPA 624 Purgeables
BTR8	BTR 201	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3	7/2/19	0859	Total Volatiles Organics EPA 624 Purgeables

Transferred by: Garrett Schuller	Received by: J Potter	Date 7/2/19	Time 1150	Cooler Receipt Information (LAB USE ONLY)
Transferred by: J Potter	Received by: [illegible] ALS	Date 07/19	Time 1553	Sufficient ice? - Yes/No If No, temp.= _____
Transferred by: [illegible] ALS	Received by: COURIER / ALS COURIER	Date 7/2/19	Time	Sample containers pres'd? - Yes/No If No, explain
				Custody Seal present/intact? - Yes/No
				Initials: Date:

[illegible] 7/2/19 2300 2°C 7438

COMMON COURIER / ALS COURIER

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		NB	7-3-19

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):	2							
Thermometer ID:	318							
Radiological (µCi):								

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

Non DW

Rev. 4/29/2019

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September 13, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3055740**
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, September 4, 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: Mr. William Herpel , Maryland Environmental Services-WWW Data , 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: 3055740 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3055740001	BTR 001	Waste Water	9/4/2019 09:02	9/4/2019 23:55	Collected by Client
3055740002	BTR 001	Waste Water	9/4/2019 09:02	9/4/2019 23:55	Collected by Client

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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: 3055740 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: 3055740 BTR HAMPSTEAD WWTP

Lab ID: **3055740001** Date Collected: 9/4/2019 09:02 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 9/4/2019 23:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	ND		mg/L	2.0	S5210B-11			9/5/19 15:10	MXO	A
Oil/Grease Hexane Extractable	ND		mg/L	2.0	EPA 1664B			9/10/19 10:15	MPP	C
Total Suspended Solids	7	1	mg/L	5	S2540D-11			9/6/19 16:22	S1B	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3055740 BTR HAMPSTEAD WWTP

Lab ID: **3055740002** Date Collected: 9/4/2019 09:02 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 9/4/2019 23:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Phosphorus, Total	0.11		mg/L	0.10	EPA 365.1	9/6/19 16:05	LXB	9/9/19 16:09	RXB	A

Vanessa N. Badman

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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3055740 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3055740001	1	BTR 001	S2540D-11	Total Suspended Solids

The Method Blank for method 160.2/2540D reported a value greater than the reporting level for the analyte Total Suspended Solids.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3055740 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3055740001	BTR 001	EPA 1664B	
3055740001	BTR 001	S2540D-11	
3055740001	BTR 001	S5210B-11	
3055740002	BTR 001	EPA 365.1	EPA 365.1

CHAIN OF CUSTODY / SAMPLE INFORMATION FOR

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

3055740

Lab # ALS Client Code

Sampler Garrett Schaller/

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	9/4/19	0902	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	9/4/19	0902	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	9/4/19	0902	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	9/4/19	0902	TSS

Transferred by: Garrett Schaller	Received by:	Date 9-4-19	Time 1055 ALS
Transferred by:	Received by:	Date 9/4	Time 1550
Transferred by:	Received by:	Date	Time

Cooler Receipt Information (**LAB USE ONLY**)
Sufficient ice? - Yes/No If No, temp.= 2° C 403
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date:

COMMON COURIER ALS 9/4/19 2355

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

Condition of Sample Receipt Form

Client: MES | Work Order #: 3055740 | Initials: PJ | Date: 9/5/19

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): 2.6

Thermometer ID: 403

Radiological (µCi): _____

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

Rev. 4/29/2019

ALS Environmental

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September 9, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3055738**
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, September 4, 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: Mr. William Herpel , Maryland Environmental Services-WWW Data , 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: 3055738 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3055738001	BTR 201	Water	9/4/2019 08:55	9/4/2019 23:55	Collected by Client

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SAMPLE SUMMARY

Workorder: 3055738 BTR HAMPSTEAD WWTP

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PQL	Practical Quantitation Limit
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RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
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MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
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RPD	Relative Percent Difference
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LOQ	DoD Limit of Quantitation
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I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
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ANALYTICAL RESULTS

Workorder: 3055738 BTR HAMPSTEAD WWTP

Lab ID: **3055738001** Date Collected: 9/4/2019 08:55 Matrix: Water

Sample ID: **BTR 201** Date Received: 9/4/2019 23:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			9/6/19 15:36	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			9/6/19 15:36	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			9/6/19 15:36	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			9/6/19 15:36	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			9/6/19 15:36	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	120		%	72 - 142	EPA 624.1			9/6/19 15:36	PDK	A

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ANALYTICAL RESULTS

Workorder: 3055738 BTR HAMPSTEAD WWTP

Lab ID: **3055738001** Date Collected: 9/4/2019 08:55 Matrix: Water

Sample ID: **BTR 201** Date Received: 9/4/2019 23:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
4-Bromofluorobenzene (S)	115		%	73 - 119	EPA 624.1			9/6/19 15:36	PDK	A
Dibromofluoromethane (S)	107		%	74 - 132	EPA 624.1			9/6/19 15:36	PDK	A
Toluene-d8 (S)	111		%	75 - 133	EPA 624.1			9/6/19 15:36	PDK	A

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ANALYTICAL RESULTS

Workorder: 3055738 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3055738001	1	BTR 201	EPA 624.1	Acrolein

In the 624 analysis, the incorrect preservative was used for this compound. The results may be biased.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3055738 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3055738001	BTR 201	EPA 624.1	

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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

3055738

Lab # ALS Client Code

Sampler Garrett Scheller

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time

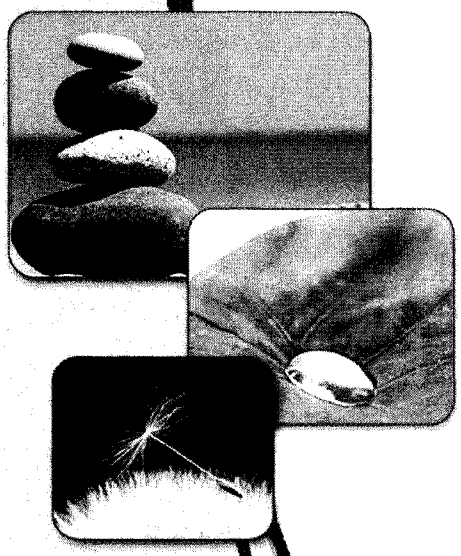
Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR5	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	9/4/19	0855 AM	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]

Transferred by: [signature]	Received by: [signature]	Date 9/4/19	Time 0855 AM	Cooler Receipt Information **(LAB USE ONLY)**
Transferred by: [signature]	Received by: [signature]	Date 9/4	Time 1550	Sufficient ice? - Yes/No If No, temp.= 5°C Sample containers pres'd? - Yes/No If No, explain Custody Seal present/intact? - Yes/No
Transferred by: [signature]	Received by: [signature]	Date	Time	Initials: Date: 403

COMMON COURIER [signature] 9/4/19 2355

APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(AUGUST 2019)

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

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

Laboratory Job ID: 500-167761-1
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:
8/10/2019 7:28:05 AM

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

Table of Contents

Case Narrative

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

Job ID: 500-167761-1

Job ID: 500-167761-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-167761-1

Comments
No additional comments.

Receipt
The samples were received on 8/3/2019 10:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA
Acetone was detected in the following sample: Trip Blank (500-167761-26). The method blank associated with this sample was non-detect for Acetone. Acetone is known lab contaminant; therefore all low level detects for this compound should be suspected as lab contamination.

Methylene chloride was detected in the following samples: EW-2 (500-167761-7), EW-3 (500-167761-8), EW-4 (500-167761-9), EW-5 (500-167761-10), RFW-1A (500-167761-11), RFW-1B (500-167761-12), RFW-2A (500-167761-13), RFW-2B (500-167761-14), RFW-3B (500-167761-15), RFW-4A (500-167761-16), RFW-4A Dup (500-167761-17), RFW-4B (500-167761-18), RFW-6 (500-167761-19), RFW-7 (500-167761-20), RFW-9 (500-167761-21), RFW-11B (500-167761-22), RFW-12B (500-167761-23), RFW-13 (500-167761-24), RFW-17 (500-167761-25) and Trip Blank (500-167761-26). The method blank associated with these samples was non-detect for Methylene chloride. Methylene chloride is known lab contaminant; therefore all low level detects for this compound 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.

Detection Summary

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

Job ID: 500-167761-1

Client Sample ID: EW-6

Lab Sample ID: 500-167761-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.9		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	7.8		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-7

Lab Sample ID: 500-167761-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	1.1		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.3		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-8

Lab Sample ID: 500-167761-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.52	J	1.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	3.4		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	38		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-9

Lab Sample ID: 500-167761-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.45	J	0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	92		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-9 Dup

Lab Sample ID: 500-167761-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.47	J	0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	91		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-10

Lab Sample ID: 500-167761-6

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

Client Sample ID: EW-2

Lab Sample ID: 500-167761-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.3	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	99		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	39		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-3

Lab Sample ID: 500-167761-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.4	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	14		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.53	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-4

Lab Sample ID: 500-167761-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.1	J	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 500-167761-1

Client Sample ID: EW-4 (Continued)

Lab Sample ID: 500-167761-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	54		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.2		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-5

Lab Sample ID: 500-167761-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.4	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	76		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.7		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-1A

Lab Sample ID: 500-167761-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.5	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-1B

Lab Sample ID: 500-167761-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.5	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-2A

Lab Sample ID: 500-167761-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.3	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-2B

Lab Sample ID: 500-167761-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.4	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-3B

Lab Sample ID: 500-167761-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.48	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.44	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A

Lab Sample ID: 500-167761-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.6	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.75	J	1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	0.45	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	20		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	16		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A Dup

Lab Sample ID: 500-167761-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.5	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.71	J	1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	0.48	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	20		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	17		1.0	0.37	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 500-167761-1

Client Sample ID: RFW-4B — Lab Sample ID: 500-167761-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.0	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.4		1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	0.96	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	38		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	56		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-6 — Lab Sample ID: 500-167761-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.19	J	0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.46	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-7 — Lab Sample ID: 500-167761-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-9 — Lab Sample ID: 500-167761-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.0	J	5.0	1.6	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.1		1.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	5.4		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	6.1		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-11B — Lab Sample ID: 500-167761-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.0	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-12B — Lab Sample ID: 500-167761-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.2	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.1		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	72		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.2		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-13 — Lab Sample ID: 500-167761-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.3	J	5.0	1.6	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.2		1.0	0.35	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.3		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	2.2		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.2		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-17 — Lab Sample ID: 500-167761-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.6	J	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 500-167761-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-167761-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.9	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	4.5	J	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 500-167761-1

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

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Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-167761-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-167761-1	EW-6	Water	08/01/19 13:45	08/03/19 10:20	
500-167761-2	EW-7	Water	08/01/19 13:40	08/03/19 10:20	
500-167761-3	EW-8	Water	08/01/19 13:30	08/03/19 10:20	
500-167761-4	EW-9	Water	08/01/19 13:20	08/03/19 10:20	
500-167761-5	EW-9 Dup	Water	08/01/19 13:20	08/03/19 10:20	
500-167761-6	EW-10	Water	08/01/19 13:20	08/03/19 10:20	
500-167761-7	EW-2	Water	08/02/19 12:45	08/03/19 10:20	
500-167761-8	EW-3	Water	08/02/19 11:15	08/03/19 10:20	
500-167761-9	EW-4	Water	08/02/19 10:40	08/03/19 10:20	
500-167761-10	EW-5	Water	08/02/19 10:30	08/03/19 10:20	
500-167761-11	RFW-1A	Water	08/01/19 13:45	08/03/19 10:20	
500-167761-12	RFW-1B	Water	08/01/19 13:55	08/03/19 10:20	
500-167761-13	RFW-2A	Water	08/01/19 10:40	08/03/19 10:20	
500-167761-14	RFW-2B	Water	08/01/19 11:20	08/03/19 10:20	
500-167761-15	RFW-3B	Water	08/01/19 13:05	08/03/19 10:20	
500-167761-16	RFW-4A	Water	08/02/19 08:35	08/03/19 10:20	
500-167761-17	RFW-4A Dup	Water	08/02/19 08:35	08/03/19 10:20	
500-167761-18	RFW-4B	Water	08/02/19 08:00	08/03/19 10:20	
500-167761-19	RFW-6	Water	08/01/19 15:40	08/03/19 10:20	
500-167761-20	RFW-7	Water	08/01/19 09:55	08/03/19 10:20	
500-167761-21	RFW-9	Water	08/02/19 10:05	08/03/19 10:20	
500-167761-22	RFW-11B	Water	08/02/19 11:35	08/03/19 10:20	
500-167761-23	RFW-12B	Water	08/02/19 12:35	08/03/19 10:20	
500-167761-24	RFW-13	Water	08/01/19 14:45	08/03/19 10:20	
500-167761-25	RFW-17	Water	08/01/19 12:15	08/03/19 10:20	
500-167761-26	Trip Blank	Water	08/01/19 07:00	08/03/19 10:20	

Client Sample Results

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

Job ID: 500-167761-1

Client Sample ID: EW-6

Date Collected: 08/01/19 13:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-1
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 11:51	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 11:51	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 11:51	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 11:51	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 11:51	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 11:51	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 11:51	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 11:51	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 11:51	1
Acetone	<10		10	1.7	ug/L			08/07/19 11:51	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 11:51	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 11:51	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 11:51	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 11:51	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 11:51	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 11:51	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 11:51	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 11:51	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 11:51	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 11:51	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 11:51	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 11:51	1
Trichloroethene	2.9		0.50	0.16	ug/L			08/07/19 11:51	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 11:51	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 11:51	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 11:51	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 11:51	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 11:51	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 11:51	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 11:51	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 11:51	1
Tetrachloroethene	7.8		1.0	0.37	ug/L			08/07/19 11:51	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 11:51	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 11:51	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 11:51	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 11:51	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:51	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 11:51	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 11:51	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 11:51	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 11:51	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 11:51	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 11:51	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:51	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 11:51	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 11:51	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 11:51	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 11:51	1

Client Sample ID: EW-6

Date Collected: 08/01/19 13:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-1

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 11:51	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 11:51	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:51	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:51	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:51	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:51	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 11:51	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:51	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:51	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 11:51	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 11:51	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 11:51	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 11:51	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 11:51	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*		*08/07/19 11:51*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*08/07/19 11:51*	*1*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*08/07/19 11:51*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/07/19 11:51*	*1*

Client Sample ID: EW-7

Date Collected: 08/01/19 13:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-2

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 12:16	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 12:16	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 12:16	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 12:16	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 12:16	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 12:16	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 12:16	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 12:16	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 12:16	1
Acetone	<10		10	1.7	ug/L			08/07/19 12:16	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 12:16	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 12:16	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 12:16	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 12:16	1
cis-1,2-Dichloroethene	2.0		1.0	0.41	ug/L			08/07/19 12:16	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 12:16	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 12:16	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 12:16	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 12:16	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 12:16	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 12:16	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 12:16	1
Trichloroethene	1.1		0.50	0.16	ug/L			08/07/19 12:16	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 12:16	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 12:16	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 12:16	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 12:16	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 12:16	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 12:16	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 12:16	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 12:16	1
Tetrachloroethene	3.3		1.0	0.37	ug/L			08/07/19 12:16	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 12:16	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 12:16	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 12:16	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 12:16	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 12:16	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 12:16	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 12:16	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 12:16	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 12:16	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 12:16	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 12:16	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 12:16	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 12:16	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 12:16	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 12:16	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 12:16	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 12:16	1

Client Sample ID: EW-7

Date Collected: 08/01/19 13:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-2

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 12:16	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 12:16	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 12:16	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 12:16	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 12:16	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 12:16	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 12:16	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 12:16	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 12:16	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 12:16	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 12:16	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 12:16	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 12:16	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 12:16	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*08/07/19 12:16*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 12:16*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*08/07/19 12:16*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/07/19 12:16*	*1*

Client Sample Results

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

Job ID: 500-167761-1

Client Sample ID: EW-8

Date Collected: 08/01/19 13:30
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-3

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 12:41	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 12:41	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 12:41	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 12:41	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 12:41	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 12:41	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 12:41	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 12:41	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 12:41	1
Acetone	<10		10	1.7	ug/L			08/07/19 12:41	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 12:41	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 12:41	1
1,1-Dichloroethane	0.52	J	1.0	0.41	ug/L			08/07/19 12:41	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 12:41	1
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L			08/07/19 12:41	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 12:41	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 12:41	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 12:41	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 12:41	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 12:41	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 12:41	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 12:41	1
Trichloroethene	3.4		0.50	0.16	ug/L			08/07/19 12:41	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 12:41	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 12:41	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 12:41	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 12:41	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 12:41	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 12:41	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 12:41	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 12:41	1
Tetrachloroethene	38		1.0	0.37	ug/L			08/07/19 12:41	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 12:41	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 12:41	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 12:41	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 12:41	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 12:41	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 12:41	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 12:41	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 12:41	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 12:41	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 12:41	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 12:41	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 12:41	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 12:41	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 12:41	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 12:41	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 12:41	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 12:41	1

Client Sample ID: EW-8

Date Collected: 08/01/19 13:30
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-3

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 12:41	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 12:41	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 12:41	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 12:41	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 12:41	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 12:41	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 12:41	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 12:41	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 12:41	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 12:41	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 12:41	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 12:41	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 12:41	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 12:41	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*		*08/07/19 12:41*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 12:41*	*1*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*08/07/19 12:41*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/07/19 12:41*	*1*

Client Sample ID: EW-9

Date Collected: 08/01/19 13:20
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-4

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 13:06	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 13:06	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 13:06	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 13:06	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 13:06	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 13:06	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 13:06	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 13:06	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 13:06	1
Acetone	<10		10	1.7	ug/L			08/07/19 13:06	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 13:06	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 13:06	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 13:06	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 13:06	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 13:06	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 13:06	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 13:06	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 13:06	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 13:06	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 13:06	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 13:06	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 13:06	1
Trichloroethene	0.45	J	0.50	0.16	ug/L			08/07/19 13:06	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 13:06	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 13:06	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 13:06	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 13:06	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 13:06	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 13:06	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 13:06	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 13:06	1
Tetrachloroethene	92		1.0	0.37	ug/L			08/07/19 13:06	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 13:06	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 13:06	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 13:06	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 13:06	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:06	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 13:06	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 13:06	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 13:06	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 13:06	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 13:06	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 13:06	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:06	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 13:06	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 13:06	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 13:06	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 13:06	1

Client Sample ID: EW-9

Date Collected: 08/01/19 13:20
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-4

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 13:06	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 13:06	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:06	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:06	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:06	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:06	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 13:06	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:06	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:06	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 13:06	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 13:06	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 13:06	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 13:06	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 13:06	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*		*08/07/19 13:06*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*08/07/19 13:06*	*1*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*08/07/19 13:06*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/07/19 13:06*	*1*

Client Sample ID: EW-9 Dup

Lab Sample ID: 500-167761-5

Date Collected: 08/01/19 13:20
Date Received: 08/03/19 10:20

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 13:31	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 13:31	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 13:31	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 13:31	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 13:31	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 13:31	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 13:31	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 13:31	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 13:31	1
Acetone	<10		10	1.7	ug/L			08/07/19 13:31	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 13:31	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 13:31	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 13:31	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 13:31	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 13:31	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 13:31	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 13:31	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 13:31	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 13:31	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 13:31	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 13:31	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 13:31	1
Trichloroethene	0.47	J	0.50	0.16	ug/L			08/07/19 13:31	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 13:31	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 13:31	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 13:31	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 13:31	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 13:31	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 13:31	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 13:31	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 13:31	1
Tetrachloroethene	91		1.0	0.37	ug/L			08/07/19 13:31	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 13:31	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 13:31	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 13:31	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 13:31	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:31	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 13:31	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 13:31	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 13:31	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 13:31	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 13:31	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 13:31	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:31	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:31	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 13:31	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 13:31	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 13:31	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 13:31	1

Client Sample ID: EW-9 Dup

Date Collected: 08/01/19 13:20
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-5

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 13:31	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 13:31	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:31	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:31	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:31	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:31	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 13:31	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:31	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:31	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 13:31	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 13:31	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 13:31	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 13:31	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 13:31	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*		*08/07/19 13:31*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 13:31*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 13:31*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*08/07/19 13:31*	*1*

Client Sample ID: EW-10

Date Collected: 08/01/19 13:20
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-6

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 13:56	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 13:56	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 13:56	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 13:56	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 13:56	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 13:56	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 13:56	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 13:56	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 13:56	1
Acetone	<10		10	1.7	ug/L			08/07/19 13:56	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 13:56	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 13:56	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 13:56	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 13:56	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 13:56	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 13:56	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 13:56	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 13:56	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 13:56	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 13:56	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 13:56	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 13:56	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 13:56	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 13:56	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 13:56	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 13:56	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 13:56	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 13:56	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 13:56	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 13:56	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 13:56	1
Tetrachloroethene	5.1		1.0	0.37	ug/L			08/07/19 13:56	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 13:56	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 13:56	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 13:56	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 13:56	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:56	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 13:56	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 13:56	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 13:56	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 13:56	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 13:56	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 13:56	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:56	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:56	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 13:56	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 13:56	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 13:56	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 13:56	1

Client Sample ID: EW-10

Date Collected: 08/01/19 13:20
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-6

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 13:56	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 13:56	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:56	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:56	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:56	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 13:56	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 13:56	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 13:56	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 13:56	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 13:56	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 13:56	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 13:56	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 13:56	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 13:56	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*		*08/07/19 13:56*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*08/07/19 13:56*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*08/07/19 13:56*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*08/07/19 13:56*	*1*

Client Sample ID: EW-2

Date Collected: 08/02/19 12:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-7
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 14:21	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 14:21	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 14:21	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 14:21	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 14:21	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 14:21	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 14:21	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 14:21	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 14:21	1
Acetone	<10		10	1.7	ug/L			08/07/19 14:21	1
Methylene Chloride	2.3	J	5.0	1.6	ug/L			08/07/19 14:21	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 14:21	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 14:21	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 14:21	1
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L			08/07/19 14:21	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 14:21	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 14:21	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 14:21	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 14:21	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 14:21	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 14:21	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 14:21	1
Trichloroethene	99		0.50	0.16	ug/L			08/07/19 14:21	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 14:21	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 14:21	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 14:21	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 14:21	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 14:21	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 14:21	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 14:21	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 14:21	1
Tetrachloroethene	39		1.0	0.37	ug/L			08/07/19 14:21	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 14:21	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 14:21	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 14:21	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 14:21	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 14:21	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 14:21	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 14:21	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 14:21	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 14:21	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 14:21	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 14:21	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 14:21	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 14:21	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 14:21	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 14:21	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 14:21	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 14:21	1

Client Sample ID: EW-2

Date Collected: 08/02/19 12:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-7

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 14:21	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 14:21	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 14:21	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 14:21	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 14:21	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 14:21	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 14:21	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 14:21	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 14:21	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 14:21	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 14:21	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 14:21	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 14:21	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 14:21	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*08/07/19 14:21*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 14:21*	*1*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*08/07/19 14:21*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/07/19 14:21*	*1*

Client Sample ID: EW-3

Date Collected: 08/02/19 11:15
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-8
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 14:47	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 14:47	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 14:47	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 14:47	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 14:47	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 14:47	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 14:47	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 14:47	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 14:47	1
Acetone	<10		10	1.7	ug/L			08/07/19 14:47	1
Methylene Chloride	2.4	J	5.0	1.6	ug/L			08/07/19 14:47	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 14:47	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 14:47	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 14:47	1
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L			08/07/19 14:47	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 14:47	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 14:47	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 14:47	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 14:47	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 14:47	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 14:47	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 14:47	1
Trichloroethene	14		0.50	0.16	ug/L			08/07/19 14:47	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 14:47	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 14:47	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 14:47	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 14:47	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 14:47	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 14:47	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 14:47	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 14:47	1
Tetrachloroethene	0.53	J	1.0	0.37	ug/L			08/07/19 14:47	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 14:47	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 14:47	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 14:47	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 14:47	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 14:47	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 14:47	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 14:47	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 14:47	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 14:47	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 14:47	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 14:47	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 14:47	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 14:47	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 14:47	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 14:47	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 14:47	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 14:47	1

Client Sample ID: EW-3

Date Collected: 08/02/19 11:15
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-8

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 14:47	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 14:47	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 14:47	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 14:47	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 14:47	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 14:47	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 14:47	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 14:47	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 14:47	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 14:47	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 14:47	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 14:47	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 14:47	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 14:47	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*		*08/07/19 14:47*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*08/07/19 14:47*	*1*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*08/07/19 14:47*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/07/19 14:47*	*1*

Client Sample ID: EW-4

Date Collected: 08/02/19 10:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-9
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 15:12	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 15:12	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 15:12	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 15:12	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 15:12	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 15:12	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 15:12	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 15:12	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 15:12	1
Acetone	<10		10	1.7	ug/L			08/07/19 15:12	1
Methylene Chloride	2.1	J	5.0	1.6	ug/L			08/07/19 15:12	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 15:12	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 15:12	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 15:12	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 15:12	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 15:12	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 15:12	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 15:12	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 15:12	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 15:12	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 15:12	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 15:12	1
Trichloroethene	54		0.50	0.16	ug/L			08/07/19 15:12	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 15:12	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 15:12	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 15:12	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 15:12	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 15:12	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 15:12	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 15:12	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 15:12	1
Tetrachloroethene	1.2		1.0	0.37	ug/L			08/07/19 15:12	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 15:12	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 15:12	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 15:12	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 15:12	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:12	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 15:12	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 15:12	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 15:12	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 15:12	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 15:12	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 15:12	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:12	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:12	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 15:12	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 15:12	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 15:12	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 15:12	1

Client Sample Results

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

Job ID: 500-167761-1

Client Sample ID: EW-4

Date Collected: 08/02/19 10:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-9

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 15:12	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 15:12	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:12	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:12	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:12	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:12	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 15:12	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:12	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:12	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 15:12	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 15:12	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 15:12	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 15:12	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 15:12	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*08/07/19 15:12*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*08/07/19 15:12*	*1*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*08/07/19 15:12*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/07/19 15:12*	*1*

Client Sample ID: EW-5

Date Collected: 08/02/19 10:30
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-10
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 15:37	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 15:37	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 15:37	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 15:37	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 15:37	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 15:37	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 15:37	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 15:37	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 15:37	1
Acetone	<10		10	1.7	ug/L			08/07/19 15:37	1
Methylene Chloride	2.4	J	5.0	1.6	ug/L			08/07/19 15:37	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 15:37	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 15:37	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 15:37	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 15:37	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 15:37	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 15:37	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 15:37	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 15:37	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 15:37	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 15:37	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 15:37	1
Trichloroethene	76		0.50	0.16	ug/L			08/07/19 15:37	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 15:37	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 15:37	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 15:37	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 15:37	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 15:37	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 15:37	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 15:37	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 15:37	1
Tetrachloroethene	2.7		1.0	0.37	ug/L			08/07/19 15:37	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 15:37	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 15:37	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 15:37	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 15:37	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:37	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 15:37	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 15:37	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 15:37	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 15:37	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 15:37	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 15:37	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:37	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:37	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 15:37	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 15:37	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 15:37	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 15:37	1

Client Sample ID: EW-5

Date Collected: 08/02/19 10:30
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-10

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 15:37	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 15:37	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:37	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:37	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:37	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:37	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 15:37	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:37	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:37	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 15:37	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 15:37	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 15:37	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 15:37	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 15:37	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*08/07/19 15:37*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 15:37*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 15:37*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/07/19 15:37*	*1*

Client Sample ID: RFW-1A

Date Collected: 08/01/19 13:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-11
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 16:02	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 16:02	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 16:02	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 16:02	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 16:02	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 16:02	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:02	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 16:02	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 16:02	1
Acetone	<10		10	1.7	ug/L			08/07/19 16:02	1
Methylene Chloride	2.5	J	5.0	1.6	ug/L			08/07/19 16:02	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 16:02	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 16:02	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 16:02	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 16:02	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 16:02	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:02	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 16:02	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 16:02	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 16:02	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 16:02	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 16:02	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 16:02	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 16:02	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 16:02	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 16:02	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 16:02	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 16:02	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 16:02	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 16:02	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 16:02	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 16:02	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 16:02	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 16:02	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 16:02	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 16:02	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:02	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 16:02	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 16:02	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 16:02	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 16:02	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 16:02	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 16:02	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:02	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:02	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 16:02	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 16:02	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 16:02	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 16:02	1

Client Sample ID: RFW-1A

Date Collected: 08/01/19 13:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-11

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 16:02	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 16:02	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:02	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:02	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:02	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:02	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 16:02	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:02	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:02	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 16:02	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 16:02	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 16:02	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 16:02	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 16:02	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*08/07/19 16:02*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*08/07/19 16:02*	*1*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*08/07/19 16:02*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/07/19 16:02*	*1*

Client Sample ID: RFW-1B

Date Collected: 08/01/19 13:55
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-12

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 16:28	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 16:28	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 16:28	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 16:28	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 16:28	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 16:28	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:28	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 16:28	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 16:28	1
Acetone	<10		10	1.7	ug/L			08/07/19 16:28	1
Methylene Chloride	2.5	J	5.0	1.6	ug/L			08/07/19 16:28	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 16:28	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 16:28	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 16:28	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 16:28	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 16:28	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:28	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 16:28	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 16:28	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 16:28	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 16:28	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 16:28	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 16:28	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 16:28	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 16:28	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 16:28	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 16:28	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 16:28	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 16:28	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 16:28	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 16:28	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 16:28	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 16:28	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 16:28	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 16:28	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 16:28	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:28	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 16:28	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 16:28	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 16:28	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 16:28	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 16:28	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 16:28	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:28	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:28	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 16:28	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 16:28	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 16:28	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 16:28	1

Client Sample ID: RFW-1B

Date Collected: 08/01/19 13:55
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-12

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 16:28	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 16:28	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:28	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:28	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:28	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:28	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 16:28	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:28	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:28	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 16:28	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 16:28	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 16:28	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 16:28	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 16:28	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*		*08/07/19 16:28*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*08/07/19 16:28*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 16:28*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/07/19 16:28*	*1*

Client Sample ID: RFW-2A

Date Collected: 08/01/19 10:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-13

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 16:53	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 16:53	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 16:53	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 16:53	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 16:53	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 16:53	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:53	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 16:53	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 16:53	1
Acetone	<10		10	1.7	ug/L			08/07/19 16:53	1
Methylene Chloride	2.3	J	5.0	1.6	ug/L			08/07/19 16:53	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 16:53	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 16:53	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 16:53	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 16:53	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 16:53	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:53	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 16:53	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 16:53	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 16:53	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 16:53	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 16:53	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 16:53	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 16:53	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 16:53	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 16:53	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 16:53	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 16:53	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 16:53	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 16:53	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 16:53	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 16:53	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 16:53	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 16:53	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 16:53	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 16:53	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:53	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 16:53	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 16:53	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 16:53	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 16:53	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 16:53	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 16:53	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:53	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:53	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 16:53	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 16:53	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 16:53	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 16:53	1

Client Sample ID: RFW-2A

Date Collected: 08/01/19 10:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-13

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 16:53	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 16:53	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:53	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:53	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:53	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:53	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 16:53	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:53	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:53	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 16:53	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 16:53	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 16:53	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 16:53	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 16:53	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*08/07/19 16:53*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*08/07/19 16:53*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 16:53*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/07/19 16:53*	*1*

Client Sample ID: RFW-2B

Date Collected: 08/01/19 11:20
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-14

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 17:18	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 17:18	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 17:18	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 17:18	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 17:18	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 17:18	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:18	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 17:18	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 17:18	1
Acetone	<10		10	1.7	ug/L			08/07/19 17:18	1
Methylene Chloride	2.4	J	5.0	1.6	ug/L			08/07/19 17:18	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 17:18	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 17:18	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 17:18	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 17:18	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 17:18	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:18	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 17:18	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 17:18	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 17:18	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 17:18	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 17:18	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 17:18	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 17:18	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 17:18	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 17:18	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 17:18	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 17:18	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 17:18	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 17:18	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 17:18	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 17:18	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 17:18	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 17:18	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 17:18	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 17:18	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:18	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 17:18	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 17:18	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 17:18	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 17:18	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 17:18	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 17:18	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:18	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 17:18	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 17:18	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 17:18	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 17:18	1

Client Sample ID: RFW-2B

Date Collected: 08/01/19 11:20
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-14

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 17:18	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 17:18	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:18	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:18	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:18	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:18	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 17:18	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:18	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:18	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 17:18	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 17:18	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 17:18	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 17:18	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 17:18	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*08/07/19 17:18*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 17:18*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 17:18*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*08/07/19 17:18*	*1*

Client Sample ID: RFW-3B

Date Collected: 08/01/19 13:05
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-15
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 17:43	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 17:43	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 17:43	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 17:43	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 17:43	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 17:43	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:43	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 17:43	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 17:43	1
Acetone	<10		10	1.7	ug/L			08/07/19 17:43	1
Methylene Chloride	3.7	J	5.0	1.6	ug/L			08/07/19 17:43	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 17:43	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 17:43	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 17:43	1
cis-1,2-Dichloroethene	0.48	J	1.0	0.41	ug/L			08/07/19 17:43	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 17:43	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:43	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 17:43	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 17:43	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 17:43	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 17:43	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 17:43	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 17:43	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 17:43	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 17:43	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 17:43	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 17:43	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 17:43	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 17:43	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 17:43	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 17:43	1
Tetrachloroethene	0.44	J	1.0	0.37	ug/L			08/07/19 17:43	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 17:43	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 17:43	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 17:43	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 17:43	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:43	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 17:43	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 17:43	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 17:43	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 17:43	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 17:43	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 17:43	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:43	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:43	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 17:43	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 17:43	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 17:43	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 17:43	1

Client Sample ID: RFW-3B

Date Collected: 08/01/19 13:05
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-15

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 17:43	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 17:43	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:43	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:43	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:43	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:43	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 17:43	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:43	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:43	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 17:43	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 17:43	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 17:43	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 17:43	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 17:43	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*08/07/19 17:43*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 17:43*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 17:43*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*08/07/19 17:43*	*1*

Client Sample ID: RFW-4A

Date Collected: 08/02/19 08:35
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-16

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 18:09	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 18:09	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 18:09	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 18:09	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 18:09	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 18:09	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:09	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 18:09	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 18:09	1
Acetone	<10		10	1.7	ug/L			08/07/19 18:09	1
Methylene Chloride	3.6	J	5.0	1.6	ug/L			08/07/19 18:09	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 18:09	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 18:09	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 18:09	1
cis-1,2-Dichloroethene	0.75	J	1.0	0.41	ug/L			08/07/19 18:09	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 18:09	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:09	1
Chloroform	0.45	J	2.0	0.37	ug/L			08/07/19 18:09	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 18:09	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 18:09	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 18:09	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 18:09	1
Trichloroethene	20		0.50	0.16	ug/L			08/07/19 18:09	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 18:09	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 18:09	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 18:09	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 18:09	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 18:09	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 18:09	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 18:09	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 18:09	1
Tetrachloroethene	16		1.0	0.37	ug/L			08/07/19 18:09	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 18:09	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 18:09	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 18:09	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 18:09	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:09	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 18:09	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 18:09	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 18:09	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 18:09	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 18:09	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 18:09	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:09	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 18:09	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 18:09	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 18:09	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 18:09	1

Client Sample ID: RFW-4A

Date Collected: 08/02/19 08:35
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-16

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 18:09	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 18:09	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:09	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:09	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:09	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:09	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 18:09	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:09	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:09	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 18:09	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 18:09	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 18:09	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 18:09	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 18:09	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*08/07/19 18:09*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*08/07/19 18:09*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 18:09*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/07/19 18:09*	*1*

Client Sample ID: RFW-4A Dup

Lab Sample ID: 500-167761-17

Date Collected: 08/02/19 08:35
Date Received: 08/03/19 10:20

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 18:34	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 18:34	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 18:34	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 18:34	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 18:34	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 18:34	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:34	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 18:34	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 18:34	1
Acetone	<10		10	1.7	ug/L			08/07/19 18:34	1
Methylene Chloride	3.5	J	5.0	1.6	ug/L			08/07/19 18:34	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 18:34	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 18:34	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 18:34	1
cis-1,2-Dichloroethene	0.71	J	1.0	0.41	ug/L			08/07/19 18:34	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 18:34	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:34	1
Chloroform	0.48	J	2.0	0.37	ug/L			08/07/19 18:34	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 18:34	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 18:34	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 18:34	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 18:34	1
Trichloroethene	20		0.50	0.16	ug/L			08/07/19 18:34	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 18:34	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 18:34	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 18:34	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 18:34	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 18:34	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 18:34	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 18:34	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 18:34	1
Tetrachloroethene	17		1.0	0.37	ug/L			08/07/19 18:34	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 18:34	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 18:34	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 18:34	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 18:34	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 18:34	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 18:34	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 18:34	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 18:34	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 18:34	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 18:34	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:34	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 18:34	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 18:34	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 18:34	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 18:34	1

Client Sample ID: RFW-4A Dup

Date Collected: 08/02/19 08:35
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-17

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 18:34	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 18:34	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:34	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:34	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:34	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:34	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 18:34	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:34	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:34	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 18:34	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 18:34	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 18:34	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 18:34	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 18:34	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*08/07/19 18:34*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*08/07/19 18:34*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*08/07/19 18:34*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/07/19 18:34*	*1*

Client Sample ID: RFW-4B

Date Collected: 08/02/19 08:00
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-18

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 15:34	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 15:34	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 15:34	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 15:34	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 15:34	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 15:34	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 15:34	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 15:34	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 15:34	1
Acetone	<10		10	1.7	ug/L			08/07/19 15:34	1
Methylene Chloride	3.0	J	5.0	1.6	ug/L			08/07/19 15:34	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 15:34	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 15:34	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 15:34	1
cis-1,2-Dichloroethene	3.4		1.0	0.41	ug/L			08/07/19 15:34	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 15:34	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 15:34	1
Chloroform	0.96	J	2.0	0.37	ug/L			08/07/19 15:34	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 15:34	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 15:34	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 15:34	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 15:34	1
Trichloroethene	38		0.50	0.16	ug/L			08/07/19 15:34	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 15:34	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 15:34	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 15:34	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 15:34	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 15:34	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 15:34	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 15:34	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 15:34	1
Tetrachloroethene	56		1.0	0.37	ug/L			08/07/19 15:34	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 15:34	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 15:34	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 15:34	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 15:34	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 15:34	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 15:34	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 15:34	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 15:34	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 15:34	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 15:34	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:34	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 15:34	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 15:34	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 15:34	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 15:34	1

Client Sample ID: RFW-4B

Date Collected: 08/02/19 08:00
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-18

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 15:34	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 15:34	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:34	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:34	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:34	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 15:34	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 15:34	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 15:34	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 15:34	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 15:34	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 15:34	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 15:34	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 15:34	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 15:34	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*08/07/19 15:34*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/07/19 15:34*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*08/07/19 15:34*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*08/07/19 15:34*	*1*

Client Sample ID: RFW-6

Date Collected: 08/01/19 15:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-19

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 16:01	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 16:01	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 16:01	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 16:01	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 16:01	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 16:01	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:01	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 16:01	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 16:01	1
Acetone	<10		10	1.7	ug/L			08/07/19 16:01	1
Methylene Chloride	2.9	J	5.0	1.6	ug/L			08/07/19 16:01	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 16:01	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 16:01	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 16:01	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 16:01	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 16:01	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:01	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 16:01	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 16:01	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 16:01	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 16:01	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 16:01	1
Trichloroethene	0.19	J	0.50	0.16	ug/L			08/07/19 16:01	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 16:01	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 16:01	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 16:01	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 16:01	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 16:01	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 16:01	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 16:01	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 16:01	1
Tetrachloroethene	0.46	J	1.0	0.37	ug/L			08/07/19 16:01	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 16:01	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 16:01	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 16:01	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 16:01	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:01	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 16:01	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 16:01	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 16:01	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 16:01	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 16:01	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 16:01	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:01	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:01	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 16:01	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 16:01	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 16:01	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 16:01	1

Client Sample ID: RFW-6

Date Collected: 08/01/19 15:40
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-19

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 16:01	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 16:01	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:01	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:01	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:01	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:01	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 16:01	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:01	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:01	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 16:01	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 16:01	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 16:01	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 16:01	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 16:01	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*08/07/19 16:01*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/07/19 16:01*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*08/07/19 16:01*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/07/19 16:01*	*1*

Client Sample ID: RFW-7

Date Collected: 08/01/19 09:55
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-20
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 16:29	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 16:29	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 16:29	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 16:29	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 16:29	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 16:29	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:29	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 16:29	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 16:29	1
Acetone	<10		10	1.7	ug/L			08/07/19 16:29	1
Methylene Chloride	2.9	J	5.0	1.6	ug/L			08/07/19 16:29	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 16:29	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 16:29	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 16:29	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 16:29	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 16:29	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:29	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 16:29	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 16:29	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 16:29	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 16:29	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 16:29	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 16:29	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 16:29	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 16:29	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 16:29	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 16:29	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 16:29	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 16:29	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 16:29	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 16:29	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 16:29	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 16:29	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 16:29	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 16:29	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 16:29	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:29	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 16:29	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 16:29	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 16:29	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 16:29	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 16:29	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 16:29	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:29	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:29	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 16:29	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 16:29	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 16:29	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 16:29	1

Client Sample ID: RFW-7

Date Collected: 08/01/19 09:55
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-20

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 16:29	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 16:29	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:29	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:29	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:29	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:29	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 16:29	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:29	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:29	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 16:29	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 16:29	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 16:29	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 16:29	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 16:29	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*08/07/19 16:29*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/07/19 16:29*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*08/07/19 16:29*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/07/19 16:29*	*1*

Client Sample ID: RFW-9

Date Collected: 08/02/19 10:05
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-21
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 16:56	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 16:56	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 16:56	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 16:56	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 16:56	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 16:56	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:56	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 16:56	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 16:56	1
Acetone	<10		10	1.7	ug/L			08/07/19 16:56	1
Methylene Chloride	3.0	J	5.0	1.6	ug/L			08/07/19 16:56	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 16:56	1
1,1-Dichloroethane	1.1		1.0	0.41	ug/L			08/07/19 16:56	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 16:56	1
cis-1,2-Dichloroethene	25		1.0	0.41	ug/L			08/07/19 16:56	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 16:56	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 16:56	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 16:56	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 16:56	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 16:56	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 16:56	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 16:56	1
Trichloroethene	5.4		0.50	0.16	ug/L			08/07/19 16:56	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 16:56	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 16:56	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 16:56	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 16:56	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 16:56	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 16:56	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 16:56	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 16:56	1
Tetrachloroethene	6.1		1.0	0.37	ug/L			08/07/19 16:56	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 16:56	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 16:56	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 16:56	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 16:56	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:56	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 16:56	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 16:56	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 16:56	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 16:56	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 16:56	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 16:56	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:56	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:56	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 16:56	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 16:56	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 16:56	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 16:56	1

Client Sample ID: RFW-9

Date Collected: 08/02/19 10:05
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-21

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 16:56	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 16:56	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:56	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:56	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:56	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 16:56	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 16:56	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 16:56	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 16:56	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 16:56	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 16:56	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 16:56	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 16:56	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 16:56	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*08/07/19 16:56*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*08/07/19 16:56*	*1*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*08/07/19 16:56*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/07/19 16:56*	*1*

Client Sample ID: RFW-11B

Date Collected: 08/02/19 11:35
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-22
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 17:24	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 17:24	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 17:24	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 17:24	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 17:24	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 17:24	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:24	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 17:24	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 17:24	1
Acetone	<10		10	1.7	ug/L			08/07/19 17:24	1
Methylene Chloride	3.0	J	5.0	1.6	ug/L			08/07/19 17:24	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 17:24	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 17:24	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 17:24	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 17:24	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 17:24	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:24	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 17:24	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 17:24	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 17:24	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 17:24	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 17:24	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 17:24	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 17:24	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 17:24	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 17:24	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 17:24	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 17:24	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 17:24	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 17:24	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 17:24	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 17:24	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 17:24	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 17:24	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 17:24	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 17:24	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:24	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 17:24	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 17:24	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 17:24	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 17:24	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 17:24	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 17:24	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:24	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:24	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 17:24	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 17:24	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 17:24	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 17:24	1

Client Sample ID: RFW-11B

Date Collected: 08/02/19 11:35
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-22

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 17:24	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 17:24	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:24	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:24	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:24	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:24	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 17:24	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:24	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:24	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 17:24	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 17:24	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 17:24	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 17:24	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 17:24	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*08/07/19 17:24*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*08/07/19 17:24*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*08/07/19 17:24*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/07/19 17:24*	*1*

Client Sample ID: RFW-12B

Lab Sample ID: 500-167761-23

Date Collected: 08/02/19 12:35
Date Received: 08/03/19 10:20

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 17:52	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 17:52	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 17:52	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 17:52	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 17:52	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 17:52	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:52	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 17:52	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 17:52	1
Acetone	<10		10	1.7	ug/L			08/07/19 17:52	1
Methylene Chloride	3.2	J	5.0	1.6	ug/L			08/07/19 17:52	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 17:52	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 17:52	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 17:52	1
cis-1,2-Dichloroethene	2.1		1.0	0.41	ug/L			08/07/19 17:52	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 17:52	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 17:52	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 17:52	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 17:52	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 17:52	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 17:52	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 17:52	1
Trichloroethene	72		0.50	0.16	ug/L			08/07/19 17:52	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 17:52	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 17:52	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 17:52	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 17:52	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 17:52	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 17:52	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 17:52	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 17:52	1
Tetrachloroethene	5.2		1.0	0.37	ug/L			08/07/19 17:52	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 17:52	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 17:52	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 17:52	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 17:52	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:52	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 17:52	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 17:52	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 17:52	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 17:52	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 17:52	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 17:52	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:52	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:52	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 17:52	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 17:52	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 17:52	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 17:52	1

Client Sample ID: RFW-12B

Date Collected: 08/02/19 12:35
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-23

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 17:52	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 17:52	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:52	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:52	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:52	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 17:52	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 17:52	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 17:52	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 17:52	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 17:52	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 17:52	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 17:52	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 17:52	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 17:52	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*08/07/19 17:52*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*08/07/19 17:52*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*08/07/19 17:52*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*08/07/19 17:52*	*1*

Client Sample ID: RFW-13

Date Collected: 08/01/19 14:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-24
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 18:19	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 18:19	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 18:19	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 18:19	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 18:19	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 18:19	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:19	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 18:19	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 18:19	1
Acetone	<10		10	1.7	ug/L			08/07/19 18:19	1
Methylene Chloride	3.3	J	5.0	1.6	ug/L			08/07/19 18:19	1
trans-1,2-Dichloroethene	2.2		1.0	0.35	ug/L			08/07/19 18:19	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 18:19	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 18:19	1
cis-1,2-Dichloroethene	2.3		1.0	0.41	ug/L			08/07/19 18:19	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 18:19	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:19	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 18:19	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 18:19	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 18:19	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 18:19	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 18:19	1
Trichloroethene	2.2		0.50	0.16	ug/L			08/07/19 18:19	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 18:19	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 18:19	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 18:19	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 18:19	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 18:19	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 18:19	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 18:19	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 18:19	1
Tetrachloroethene	8.2		1.0	0.37	ug/L			08/07/19 18:19	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 18:19	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 18:19	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 18:19	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 18:19	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:19	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 18:19	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 18:19	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 18:19	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 18:19	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 18:19	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 18:19	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:19	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 18:19	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 18:19	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 18:19	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 18:19	1

Client Sample ID: RFW-13

Date Collected: 08/01/19 14:45
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-24

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 18:19	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 18:19	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:19	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:19	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:19	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:19	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 18:19	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:19	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:19	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 18:19	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 18:19	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 18:19	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 18:19	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 18:19	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*08/07/19 18:19*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/07/19 18:19*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*08/07/19 18:19*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*08/07/19 18:19*	*1*

Client Sample ID: RFW-17

Date Collected: 08/01/19 12:15
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-25

Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 18:46	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 18:46	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 18:46	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 18:46	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 18:46	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 18:46	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:46	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 18:46	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 18:46	1
Acetone	<10		10	1.7	ug/L			08/07/19 18:46	1
Methylene Chloride	2.6	J	5.0	1.6	ug/L			08/07/19 18:46	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 18:46	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 18:46	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 18:46	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 18:46	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 18:46	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 18:46	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 18:46	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 18:46	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 18:46	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 18:46	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 18:46	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 18:46	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 18:46	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 18:46	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 18:46	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 18:46	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 18:46	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 18:46	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 18:46	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 18:46	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 18:46	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 18:46	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 18:46	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 18:46	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 18:46	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:46	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 18:46	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 18:46	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 18:46	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 18:46	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 18:46	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 18:46	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:46	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:46	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 18:46	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 18:46	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 18:46	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 18:46	1

Client Sample ID: RFW-17

Date Collected: 08/01/19 12:15
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-25

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 18:46	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 18:46	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:46	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:46	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:46	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 18:46	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 18:46	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 18:46	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 18:46	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 18:46	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 18:46	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 18:46	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 18:46	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 18:46	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*08/07/19 18:46*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/07/19 18:46*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*08/07/19 18:46*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/07/19 18:46*	*1*

Client Sample ID: Trip Blank

Date Collected: 08/01/19 07:00
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-26
Matrix: Water

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 11:53	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 11:53	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 11:53	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 11:53	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 11:53	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 11:53	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 11:53	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 11:53	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 11:53	1
Acetone	7.9	J	10	1.7	ug/L			08/07/19 11:53	1
Methylene Chloride	4.5	J	5.0	1.6	ug/L			08/07/19 11:53	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 11:53	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 11:53	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 11:53	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 11:53	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 11:53	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 11:53	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 11:53	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 11:53	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 11:53	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 11:53	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 11:53	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 11:53	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 11:53	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 11:53	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 11:53	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 11:53	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 11:53	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 11:53	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 11:53	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 11:53	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 11:53	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 11:53	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 11:53	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 11:53	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 11:53	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:53	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 11:53	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 11:53	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 11:53	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 11:53	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 11:53	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 11:53	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:53	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:53	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 11:53	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 11:53	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 11:53	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 11:53	1

Client Sample ID: Trip Blank

Date Collected: 08/01/19 07:00
Date Received: 08/03/19 10:20

Lab Sample ID: 500-167761-26

Matrix: Water

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 11:53	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 11:53	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:53	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:53	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:53	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:53	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 11:53	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:53	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:53	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 11:53	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 11:53	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 11:53	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 11:53	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 11:53	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*08/07/19 11:53*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/07/19 11:53*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*08/07/19 11:53*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/07/19 11:53*	*1*

Definitions/Glossary

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

Job ID: 500-167761-1

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: 498469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167761-18	RFW-4B	Total/NA	Water	8260B	
500-167761-19	RFW-6	Total/NA	Water	8260B	
500-167761-20	RFW-7	Total/NA	Water	8260B	
500-167761-21	RFW-9	Total/NA	Water	8260B	
500-167761-22	RFW-11B	Total/NA	Water	8260B	
500-167761-23	RFW-12B	Total/NA	Water	8260B	
500-167761-24	RFW-13	Total/NA	Water	8260B	
500-167761-25	RFW-17	Total/NA	Water	8260B	
500-167761-26	Trip Blank	Total/NA	Water	8260B	
MB 500-498469/7	Method Blank	Total/NA	Water	8260B	
LCS 500-498469/5	Lab Control Sample	Total/NA	Water	8260B	
500-167761-25 MS	RFW-17	Total/NA	Water	8260B	
500-167761-25 MSD	RFW-17	Total/NA	Water	8260B	

Analysis Batch: 498489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-167761-1	EW-6	Total/NA	Water	8260B	
500-167761-2	EW-7	Total/NA	Water	8260B	
500-167761-3	EW-8	Total/NA	Water	8260B	
500-167761-4	EW-9	Total/NA	Water	8260B	
500-167761-5	EW-9 Dup	Total/NA	Water	8260B	
500-167761-6	EW-10	Total/NA	Water	8260B	
500-167761-7	EW-2	Total/NA	Water	8260B	
500-167761-8	EW-3	Total/NA	Water	8260B	
500-167761-9	EW-4	Total/NA	Water	8260B	
500-167761-10	EW-5	Total/NA	Water	8260B	
500-167761-11	RFW-1A	Total/NA	Water	8260B	
500-167761-12	RFW-1B	Total/NA	Water	8260B	
500-167761-13	RFW-2A	Total/NA	Water	8260B	
500-167761-14	RFW-2B	Total/NA	Water	8260B	
500-167761-15	RFW-3B	Total/NA	Water	8260B	
500-167761-16	RFW-4A	Total/NA	Water	8260B	
500-167761-17	RFW-4A Dup	Total/NA	Water	8260B	
MB 500-498489/6	Method Blank	Total/NA	Water	8260B	
LCS 500-498489/4	Lab Control Sample	Total/NA	Water	8260B	
500-167761-17 MS	RFW-4A Dup	Total/NA	Water	8260B	
500-167761-17 MSD	RFW-4A Dup	Total/NA	Water	8260B	

Surrogate Summary

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

Job ID: 500-167761-1

Method: 8260B - VOC

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-126)	(75-120)	(72-124)	(75-120)
500-167761-1	EW-6	83	93	106	92
500-167761-2	EW-7	86	94	105	93
500-167761-3	EW-8	84	94	106	93
500-167761-4	EW-9	88	93	107	94
500-167761-5	EW-9 Dup	84	94	109	91
500-167761-6	EW-10	84	96	110	89
500-167761-7	EW-2	86	94	107	92
500-167761-8	EW-3	88	92	106	93
500-167761-9	EW-4	86	93	108	92
500-167761-10	EW-5	87	94	109	94
500-167761-11	RFW-1A	86	95	107	92
500-167761-12	RFW-1B	88	93	109	93
500-167761-13	RFW-2A	89	95	109	93
500-167761-14	RFW-2B	87	94	109	92
500-167761-15	RFW-3B	90	94	109	93
500-167761-16	RFW-4A	89	92	109	94
500-167761-17	RFW-4A Dup	87	94	111	94
500-167761-17 MS	RFW-4A Dup	86	96	100	98
500-167761-17 MSD	RFW-4A Dup	87	97	100	98
500-167761-18	RFW-4B	105	102	110	100
500-167761-19	RFW-6	104	102	110	98
500-167761-20	RFW-7	105	102	111	98
500-167761-21	RFW-9	104	104	113	99
500-167761-22	RFW-11B	106	103	111	99
500-167761-23	RFW-12B	107	103	110	100
500-167761-24	RFW-13	105	102	111	100
500-167761-25	RFW-17	106	102	112	99
500-167761-25 MS	RFW-17	108	103	106	104
500-167761-25 MSD	RFW-17	109	103	104	107
500-167761-26	Trip Blank	102	102	109	98
LCS 500-498469/5	Lab Control Sample	100	105	102	102
LCS 500-498489/4	Lab Control Sample	85	96	106	95
MB 500-498469/7	Method Blank	102	103	111	99
MB 500-498489/6	Method Blank	86	93	108	94

Surrogate Legend

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

Method: 8260B - VOC

Lab Sample ID: MB 500-498469/7
Matrix: Water
Analysis Batch: 498469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 10:58	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 10:58	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 10:58	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 10:58	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 10:58	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 10:58	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 10:58	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 10:58	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 10:58	1
Acetone	<10		10	1.7	ug/L			08/07/19 10:58	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 10:58	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 10:58	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 10:58	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 10:58	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 10:58	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 10:58	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 10:58	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 10:58	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 10:58	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 10:58	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 10:58	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 10:58	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 10:58	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 10:58	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 10:58	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 10:58	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 10:58	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 10:58	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 10:58	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 10:58	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 10:58	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 10:58	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 10:58	1
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 10:58	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 10:58	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 10:58	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 10:58	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 10:58	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 10:58	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 10:58	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 10:58	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 10:58	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 10:58	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 10:58	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 10:58	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 10:58	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 10:58	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 10:58	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-498469/7
Matrix: Water
Analysis Batch: 498469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 10:58	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 10:58	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 10:58	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 10:58	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 10:58	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 10:58	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 10:58	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 10:58	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 10:58	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 10:58	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 10:58	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 10:58	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 10:58	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 10:58	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 10:58	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 10:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*08/07/19 10:58*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*08/07/19 10:58*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*08/07/19 10:58*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/07/19 10:58*	*1*

Lab Sample ID: LCS 500-498469/5
Matrix: Water
Analysis Batch: 498469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.6		ug/L		97	70 - 120
Dichlorodifluoromethane	50.0	49.5		ug/L		99	40 - 159
Chloromethane	50.0	47.0		ug/L		94	56 - 152
Vinyl chloride	50.0	48.6		ug/L		97	64 - 126
Bromomethane	50.0	46.1		ug/L		92	40 - 152
Chloroethane	50.0	45.7		ug/L		91	48 - 136
Trichlorofluoromethane	50.0	48.0		ug/L		96	55 - 128
1,1-Dichloroethene	50.0	47.9		ug/L		96	67 - 122
Carbon disulfide	50.0	48.6		ug/L		97	66 - 120
Acetone	50.0	46.1		ug/L		92	40 - 143
Methylene Chloride	50.0	46.6		ug/L		93	69 - 125
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
1,1-Dichloroethane	50.0	48.1		ug/L		96	70 - 125
2,2-Dichloropropane	50.0	49.9		ug/L		100	58 - 139
cis-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 125
Methyl Ethyl Ketone	50.0	45.8		ug/L		92	46 - 144
Bromochloromethane	50.0	47.4		ug/L		95	65 - 122
Chloroform	50.0	47.1		ug/L		94	70 - 120
1,1,1-Trichloroethane	50.0	49.4		ug/L		99	70 - 125
1,1-Dichloropropene	50.0	48.6		ug/L		97	70 - 121

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-498469/5
Matrix: Water
Analysis Batch: 498469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	49.6		ug/L		99	59 - 133
1,2-Dichloroethane	50.0	46.6		ug/L		93	68 - 127
Trichloroethene	50.0	49.4		ug/L		99	70 - 125
1,2-Dichloropropane	50.0	48.2		ug/L		96	67 - 130
Dibromomethane	50.0	45.5		ug/L		91	70 - 120
Bromodichloromethane	50.0	46.7		ug/L		93	69 - 120
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	64 - 127
methyl isobutyl ketone	50.0	48.3		ug/L		97	55 - 139
Toluene	50.0	47.2		ug/L		94	70 - 125
trans-1,3-Dichloropropene	50.0	49.1		ug/L		98	62 - 128
1,1,2-Trichloroethane	50.0	46.5		ug/L		93	71 - 130
Tetrachloroethene	50.0	49.3		ug/L		99	70 - 128
1,3-Dichloropropane	50.0	46.9		ug/L		94	62 - 136
2-Hexanone	50.0	47.7		ug/L		95	54 - 146
Dibromochloromethane	50.0	47.8		ug/L		96	68 - 125
1,2-Dibromoethane	50.0	47.8		ug/L		96	70 - 125
Chlorobenzene	50.0	48.0		ug/L		96	70 - 120
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	70 - 125
Ethylbenzene	50.0	50.4		ug/L		101	70 - 123
m&p-Xylene	50.0	47.9		ug/L		96	70 - 125
o-Xylene	50.0	49.4		ug/L		99	70 - 120
Styrene	50.0	48.8		ug/L		98	70 - 120
Bromoform	50.0	42.2		ug/L		84	56 - 132
Isopropylbenzene	50.0	47.8		ug/L		96	70 - 126
Bromobenzene	50.0	47.3		ug/L		95	70 - 122
1,1,2,2-Tetrachloroethane	50.0	44.8		ug/L		90	62 - 140
1,2,3-Trichloropropane	50.0	46.8		ug/L		94	50 - 133
N-Propylbenzene	50.0	47.6		ug/L		95	69 - 127
2-Chlorotoluene	50.0	47.3		ug/L		95	70 - 125
1,3,5-Trimethylbenzene	50.0	48.4		ug/L		97	70 - 123
4-Chlorotoluene	50.0	47.8		ug/L		96	68 - 124
tert-Butylbenzene	50.0	48.4		ug/L		97	70 - 121
1,2,4-Trimethylbenzene	50.0	47.8		ug/L		96	70 - 123
sec-Butylbenzene	50.0	48.1		ug/L		96	70 - 123
1,3-Dichlorobenzene	50.0	47.5		ug/L		95	70 - 125
p-Isopropyltoluene	50.0	49.0		ug/L		98	70 - 125
1,4-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 120
n-Butylbenzene	50.0	49.4		ug/L		99	68 - 125
1,2-Dichlorobenzene	50.0	46.5		ug/L		93	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.6		ug/L		91	56 - 123
1,2,4-Trichlorobenzene	50.0	49.7		ug/L		99	57 - 137
Hexachlorobutadiene	50.0	49.0		ug/L		98	51 - 150
Naphthalene	50.0	47.4		ug/L		95	53 - 144
1,2,3-Trichlorobenzene	50.0	48.1		ug/L		96	51 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
Toluene-d8 (Surr)	*105*		*75 - 120*

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-498469/5
Matrix: Water
Analysis Batch: 498469

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*

Lab Sample ID: 500-167761-25 MS
Matrix: Water
Analysis Batch: 498469

Client Sample ID: RFW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.50		50.0	50.5		ug/L		101	70 - 120
Dichlorodifluoromethane	<3.0		50.0	48.3		ug/L		97	40 - 159
Chloromethane	<1.0		50.0	47.4		ug/L		95	56 - 152
Vinyl chloride	<1.0		50.0	47.9		ug/L		96	64 - 126
Bromomethane	<3.0		50.0	48.2		ug/L		96	40 - 152
Chloroethane	<1.0		50.0	45.9		ug/L		92	48 - 136
Trichlorofluoromethane	<1.0		50.0	47.7		ug/L		95	55 - 128
1,1-Dichloroethene	<1.0		50.0	47.6		ug/L		95	67 - 122
Carbon disulfide	<2.0		50.0	47.8		ug/L		96	66 - 120
Acetone	<10		50.0	58.8		ug/L		118	40 - 143
Methylene Chloride	2.6	J	50.0	52.4		ug/L		100	69 - 125
trans-1,2-Dichloroethene	<1.0		50.0	48.6		ug/L		97	70 - 125
1,1-Dichloroethane	<1.0		50.0	49.7		ug/L		99	70 - 125
2,2-Dichloropropane	<1.0		50.0	48.8		ug/L		98	58 - 139
cis-1,2-Dichloroethene	<1.0		50.0	49.8		ug/L		100	70 - 125
Methyl Ethyl Ketone	<5.0		50.0	46.8		ug/L		94	46 - 144
Bromochloromethane	<1.0		50.0	51.1		ug/L		102	65 - 122
Chloroform	<2.0		50.0	50.0		ug/L		100	70 - 120
1,1,1-Trichloroethane	<1.0		50.0	49.4		ug/L		99	70 - 125
1,1-Dichloropropene	<1.0		50.0	48.8		ug/L		98	70 - 121
Carbon tetrachloride	<1.0		50.0	49.9		ug/L		100	59 - 133
1,2-Dichloroethane	<1.0		50.0	51.6		ug/L		103	68 - 127
Trichloroethene	<0.50		50.0	50.8		ug/L		102	70 - 125
1,2-Dichloropropane	<1.0		50.0	51.5		ug/L		103	67 - 130
Dibromomethane	<1.0		50.0	51.0		ug/L		102	70 - 120
Bromodichloromethane	<1.0		50.0	49.3		ug/L		99	69 - 120
cis-1,3-Dichloropropene	<1.0		50.0	49.9		ug/L		100	64 - 127
methyl isobutyl ketone	<5.0		50.0	51.2		ug/L		102	55 - 139
Toluene	<0.50		50.0	48.0		ug/L		96	70 - 125
trans-1,3-Dichloropropene	<1.0		50.0	51.0		ug/L		102	62 - 128
1,1,2-Trichloroethane	<1.0		50.0	50.0		ug/L		100	71 - 130
Tetrachloroethene	<1.0		50.0	47.8		ug/L		96	70 - 128
1,3-Dichloropropane	<1.0		50.0	50.8		ug/L		102	62 - 136
2-Hexanone	<5.0		50.0	51.3		ug/L		103	54 - 146
Dibromochloromethane	<1.0		50.0	50.1		ug/L		100	68 - 125
1,2-Dibromoethane	<1.0		50.0	51.2		ug/L		102	70 - 125
Chlorobenzene	<1.0		50.0	48.1		ug/L		96	70 - 120
1,1,1,2-Tetrachloroethane	<1.0		50.0	49.0		ug/L		98	70 - 125
Ethylbenzene	<0.50		50.0	50.3		ug/L		101	70 - 123
m&p-Xylene	<1.0		50.0	47.9		ug/L		96	70 - 125

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-167761-25 MS
Matrix: Water
Analysis Batch: 498469

Client Sample ID: RFW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.50		50.0	50.7		ug/L		101	70 - 120
Styrene	<1.0		50.0	50.0		ug/L		100	70 - 120
Bromoform	<1.0		50.0	43.9		ug/L		88	56 - 132
Isopropylbenzene	<1.0		50.0	48.7		ug/L		97	70 - 126
Bromobenzene	<1.0		50.0	49.3		ug/L		99	70 - 122
1,1,2,2-Tetrachloroethane	<1.0		50.0	50.0		ug/L		100	62 - 140
1,2,3-Trichloropropane	<2.0		50.0	52.0		ug/L		104	50 - 133
N-Propylbenzene	<1.0		50.0	47.5		ug/L		95	69 - 127
2-Chlorotoluene	<1.0		50.0	48.1		ug/L		96	70 - 125
1,3,5-Trimethylbenzene	<1.0		50.0	48.7		ug/L		97	70 - 123
4-Chlorotoluene	<1.0		50.0	48.2		ug/L		96	68 - 124
tert-Butylbenzene	<1.0		50.0	48.7		ug/L		97	70 - 121
1,2,4-Trimethylbenzene	<1.0		50.0	48.6		ug/L		97	70 - 123
sec-Butylbenzene	<1.0		50.0	48.4		ug/L		97	70 - 123
1,3-Dichlorobenzene	<1.0		50.0	48.7		ug/L		97	70 - 125
p-Isopropyltoluene	<1.0		50.0	48.4		ug/L		97	70 - 125
1,4-Dichlorobenzene	<1.0		50.0	47.0		ug/L		94	70 - 120
n-Butylbenzene	<1.0		50.0	47.9		ug/L		96	68 - 125
1,2-Dichlorobenzene	<1.0		50.0	49.7		ug/L		99	70 - 125
1,2-Dibromo-3-Chloropropane	<5.0		50.0	48.9		ug/L		98	56 - 123
1,2,4-Trichlorobenzene	<1.0		50.0	47.0		ug/L		94	57 - 137
Hexachlorobutadiene	<1.0		50.0	47.0		ug/L		94	51 - 150
Naphthalene	<1.0		50.0	50.0		ug/L		100	53 - 144
1,2,3-Trichlorobenzene	<1.0		50.0	48.5		ug/L		97	51 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*
Dibromofluoromethane	*104*		*75 - 120*

Lab Sample ID: 500-167761-25 MSD
Matrix: Water
Analysis Batch: 498469

Client Sample ID: RFW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.50		50.0	51.3		ug/L		103	70 - 120	2	20
Dichlorodifluoromethane	<3.0		50.0	47.7		ug/L		95	40 - 159	1	20
Chloromethane	<1.0		50.0	49.5		ug/L		99	56 - 152	5	20
Vinyl chloride	<1.0		50.0	50.0		ug/L		100	64 - 126	4	20
Bromomethane	<3.0		50.0	49.2		ug/L		98	40 - 152	2	20
Chloroethane	<1.0		50.0	47.3		ug/L		95	48 - 136	3	20
Trichlorofluoromethane	<1.0		50.0	48.4		ug/L		97	55 - 128	1	20
1,1-Dichloroethene	<1.0		50.0	48.7		ug/L		97	67 - 122	2	20
Carbon disulfide	<2.0		50.0	48.4		ug/L		97	66 - 120	1	20
Acetone	<10		50.0	52.5		ug/L		105	40 - 143	11	20
Methylene Chloride	2.6	J	50.0	53.2		ug/L		101	69 - 125	2	20
trans-1,2-Dichloroethene	<1.0		50.0	49.3		ug/L		99	70 - 125	2	20

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-167761-25 MSD
Matrix: Water
Analysis Batch: 498469

Client Sample ID: RFW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	<1.0		50.0	50.6		ug/L		101	70 - 125	2	20
2,2-Dichloropropane	<1.0		50.0	49.1		ug/L		98	58 - 139	1	20
cis-1,2-Dichloroethene	<1.0		50.0	51.2		ug/L		102	70 - 125	3	20
Methyl Ethyl Ketone	<5.0		50.0	51.8		ug/L		104	46 - 144	10	20
Bromochloromethane	<1.0		50.0	52.0		ug/L		104	65 - 122	2	20
Chloroform	<2.0		50.0	50.2		ug/L		100	70 - 120	0	20
1,1,1-Trichloroethane	<1.0		50.0	50.6		ug/L		101	70 - 125	3	20
1,1-Dichloropropene	<1.0		50.0	49.0		ug/L		98	70 - 121	0	20
Carbon tetrachloride	<1.0		50.0	50.4		ug/L		101	59 - 133	1	20
1,2-Dichloroethane	<1.0		50.0	52.0		ug/L		104	68 - 127	1	20
Trichloroethene	<0.50		50.0	50.2		ug/L		100	70 - 125	1	20
1,2-Dichloropropane	<1.0		50.0	49.4		ug/L		99	67 - 130	4	20
Dibromomethane	<1.0		50.0	52.4		ug/L		105	70 - 120	3	20
Bromodichloromethane	<1.0		50.0	50.1		ug/L		100	69 - 120	2	20
cis-1,3-Dichloropropene	<1.0		50.0	50.1		ug/L		100	64 - 127	0	20
methyl isobutyl ketone	<5.0		50.0	51.7		ug/L		103	55 - 139	1	20
Toluene	<0.50		50.0	47.6		ug/L		95	70 - 125	1	20
trans-1,3-Dichloropropene	<1.0		50.0	51.5		ug/L		103	62 - 128	1	20
1,1,2-Trichloroethane	<1.0		50.0	50.4		ug/L		101	71 - 130	1	20
Tetrachloroethene	<1.0		50.0	47.3		ug/L		95	70 - 128	1	20
1,3-Dichloropropane	<1.0		50.0	50.4		ug/L		101	62 - 136	1	20
2-Hexanone	<5.0		50.0	51.9		ug/L		104	54 - 146	1	20
Dibromochloromethane	<1.0		50.0	50.8		ug/L		102	68 - 125	1	20
1,2-Dibromoethane	<1.0		50.0	51.4		ug/L		103	70 - 125	0	20
Chlorobenzene	<1.0		50.0	48.5		ug/L		97	70 - 120	1	20
1,1,1,2-Tetrachloroethane	<1.0		50.0	50.8		ug/L		102	70 - 125	3	20
Ethylbenzene	<0.50		50.0	50.5		ug/L		101	70 - 123	0	20
m&p-Xylene	<1.0		50.0	48.1		ug/L		96	70 - 125	0	20
o-Xylene	<0.50		50.0	51.2		ug/L		102	70 - 120	1	20
Styrene	<1.0		50.0	50.1		ug/L		100	70 - 120	0	20
Bromoform	<1.0		50.0	45.2		ug/L		90	56 - 132	3	20
Isopropylbenzene	<1.0		50.0	47.9		ug/L		96	70 - 126	2	20
Bromobenzene	<1.0		50.0	49.2		ug/L		98	70 - 122	0	20
1,1,2,2-Tetrachloroethane	<1.0		50.0	50.1		ug/L		100	62 - 140	0	20
1,2,3-Trichloropropane	<2.0		50.0	52.6		ug/L		105	50 - 133	1	20
N-Propylbenzene	<1.0		50.0	46.8		ug/L		94	69 - 127	2	20
2-Chlorotoluene	<1.0		50.0	47.8		ug/L		96	70 - 125	1	20
1,3,5-Trimethylbenzene	<1.0		50.0	48.0		ug/L		96	70 - 123	1	20
4-Chlorotoluene	<1.0		50.0	48.0		ug/L		96	68 - 124	0	20
tert-Butylbenzene	<1.0		50.0	48.1		ug/L		96	70 - 121	1	20
1,2,4-Trimethylbenzene	<1.0		50.0	48.2		ug/L		96	70 - 123	1	20
sec-Butylbenzene	<1.0		50.0	47.6		ug/L		95	70 - 123	2	20
1,3-Dichlorobenzene	<1.0		50.0	48.4		ug/L		97	70 - 125	1	20
p-Isopropyltoluene	<1.0		50.0	47.7		ug/L		95	70 - 125	1	20
1,4-Dichlorobenzene	<1.0		50.0	47.7		ug/L		95	70 - 120	1	20
n-Butylbenzene	<1.0		50.0	47.3		ug/L		95	68 - 125	1	20
1,2-Dichlorobenzene	<1.0		50.0	49.6		ug/L		99	70 - 125	0	20
1,2-Dibromo-3-Chloropropane	<5.0		50.0	52.1		ug/L		104	56 - 123	6	20
1,2,4-Trichlorobenzene	<1.0		50.0	47.5		ug/L		95	57 - 137	1	20

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-167761-25 MSD
Matrix: Water
Analysis Batch: 498469

Client Sample ID: RFW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	<1.0		50.0	48.5		ug/L		97	51 - 150	3	20
Naphthalene	<1.0		50.0	51.7		ug/L		103	53 - 144	3	20
1,2,3-Trichlorobenzene	<1.0		50.0	50.0		ug/L		100	51 - 145	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane	*107*		*75 - 120*

Lab Sample ID: MB 500-498489/6
Matrix: Water
Analysis Batch: 498489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.15	ug/L			08/07/19 11:27	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			08/07/19 11:27	1
Chloromethane	<1.0		1.0	0.32	ug/L			08/07/19 11:27	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			08/07/19 11:27	1
Bromomethane	<3.0		3.0	0.80	ug/L			08/07/19 11:27	1
Chloroethane	<1.0		1.0	0.51	ug/L			08/07/19 11:27	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			08/07/19 11:27	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			08/07/19 11:27	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			08/07/19 11:27	1
Acetone	<10		10	1.7	ug/L			08/07/19 11:27	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			08/07/19 11:27	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			08/07/19 11:27	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			08/07/19 11:27	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			08/07/19 11:27	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			08/07/19 11:27	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			08/07/19 11:27	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			08/07/19 11:27	1
Chloroform	<2.0		2.0	0.37	ug/L			08/07/19 11:27	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			08/07/19 11:27	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			08/07/19 11:27	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			08/07/19 11:27	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			08/07/19 11:27	1
Trichloroethene	<0.50		0.50	0.16	ug/L			08/07/19 11:27	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			08/07/19 11:27	1
Dibromomethane	<1.0		1.0	0.27	ug/L			08/07/19 11:27	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			08/07/19 11:27	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			08/07/19 11:27	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			08/07/19 11:27	1
Toluene	<0.50		0.50	0.15	ug/L			08/07/19 11:27	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			08/07/19 11:27	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			08/07/19 11:27	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			08/07/19 11:27	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			08/07/19 11:27	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-498489/6
Matrix: Water
Analysis Batch: 498489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<5.0		5.0	1.6	ug/L			08/07/19 11:27	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			08/07/19 11:27	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			08/07/19 11:27	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:27	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			08/07/19 11:27	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			08/07/19 11:27	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			08/07/19 11:27	1
o-Xylene	<0.50		0.50	0.22	ug/L			08/07/19 11:27	1
Styrene	<1.0		1.0	0.39	ug/L			08/07/19 11:27	1
Bromoform	<1.0		1.0	0.48	ug/L			08/07/19 11:27	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:27	1
Bromobenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:27	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			08/07/19 11:27	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			08/07/19 11:27	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			08/07/19 11:27	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			08/07/19 11:27	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			08/07/19 11:27	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			08/07/19 11:27	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:27	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:27	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:27	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			08/07/19 11:27	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			08/07/19 11:27	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			08/07/19 11:27	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			08/07/19 11:27	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			08/07/19 11:27	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			08/07/19 11:27	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			08/07/19 11:27	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			08/07/19 11:27	1
Naphthalene	<1.0		1.0	0.34	ug/L			08/07/19 11:27	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			08/07/19 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*08/07/19 11:27*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*08/07/19 11:27*	*1*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*08/07/19 11:27*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*08/07/19 11:27*	*1*

Lab Sample ID: LCS 500-498489/4
Matrix: Water
Analysis Batch: 498489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	45.6		ug/L		91	70 - 120
Dichlorodifluoromethane	50.0	40.9		ug/L		82	40 - 159
Chloromethane	50.0	46.9		ug/L		94	56 - 152
Vinyl chloride	50.0	48.0		ug/L		96	64 - 126
Bromomethane	50.0	35.9		ug/L		72	40 - 152

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-498489/4
Matrix: Water
Analysis Batch: 498489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	50.0	45.6		ug/L		91	48 - 136
Trichlorofluoromethane	50.0	41.9		ug/L		84	55 - 128
1,1-Dichloroethene	50.0	46.1		ug/L		92	67 - 122
Carbon disulfide	50.0	45.4		ug/L		91	66 - 120
Acetone	50.0	36.5		ug/L		73	40 - 143
Methylene Chloride	50.0	43.8		ug/L		88	69 - 125
trans-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 125
1,1-Dichloroethane	50.0	45.3		ug/L		91	70 - 125
2,2-Dichloropropane	50.0	44.7		ug/L		89	58 - 139
cis-1,2-Dichloroethene	50.0	45.6		ug/L		91	70 - 125
Methyl Ethyl Ketone	50.0	38.4		ug/L		77	46 - 144
Bromochloromethane	50.0	46.5		ug/L		93	65 - 122
Chloroform	50.0	41.7		ug/L		83	70 - 120
1,1,1-Trichloroethane	50.0	42.8		ug/L		86	70 - 125
1,1-Dichloropropene	50.0	46.3		ug/L		93	70 - 121
Carbon tetrachloride	50.0	42.1		ug/L		84	59 - 133
1,2-Dichloroethane	50.0	38.6		ug/L		77	68 - 127
Trichloroethene	50.0	46.2		ug/L		92	70 - 125
1,2-Dichloropropane	50.0	46.2		ug/L		92	67 - 130
Dibromomethane	50.0	41.5		ug/L		83	70 - 120
Bromodichloromethane	50.0	40.1		ug/L		80	69 - 120
cis-1,3-Dichloropropene	50.0	41.1		ug/L		82	64 - 127
methyl isobutyl ketone	50.0	37.6		ug/L		75	55 - 139
Toluene	50.0	42.8		ug/L		86	70 - 125
trans-1,3-Dichloropropene	50.0	39.5		ug/L		79	62 - 128
1,1,2-Trichloroethane	50.0	40.5		ug/L		81	71 - 130
Tetrachloroethene	50.0	45.6		ug/L		91	70 - 128
1,3-Dichloropropane	50.0	42.5		ug/L		85	62 - 136
2-Hexanone	50.0	38.1		ug/L		76	54 - 146
Dibromochloromethane	50.0	40.6		ug/L		81	68 - 125
1,2-Dibromoethane	50.0	43.1		ug/L		86	70 - 125
Chlorobenzene	50.0	44.6		ug/L		89	70 - 120
1,1,1,2-Tetrachloroethane	50.0	41.4		ug/L		83	70 - 125
Ethylbenzene	50.0	46.9		ug/L		94	70 - 123
m&p-Xylene	50.0	43.1		ug/L		86	70 - 125
o-Xylene	50.0	42.6		ug/L		85	70 - 120
Styrene	50.0	44.9		ug/L		90	70 - 120
Bromoform	50.0	39.4		ug/L		79	56 - 132
Isopropylbenzene	50.0	47.3		ug/L		95	70 - 126
Bromobenzene	50.0	46.1		ug/L		92	70 - 122
1,1,2,2-Tetrachloroethane	50.0	43.1		ug/L		86	62 - 140
1,2,3-Trichloropropane	50.0	42.5		ug/L		85	50 - 133
N-Propylbenzene	50.0	47.2		ug/L		94	69 - 127
2-Chlorotoluene	50.0	46.1		ug/L		92	70 - 125
1,3,5-Trimethylbenzene	50.0	47.0		ug/L		94	70 - 123
4-Chlorotoluene	50.0	45.4		ug/L		91	68 - 124
tert-Butylbenzene	50.0	46.9		ug/L		94	70 - 121
1,2,4-Trimethylbenzene	50.0	45.5		ug/L		91	70 - 123
sec-Butylbenzene	50.0	47.1		ug/L		94	70 - 123

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-498489/4
Matrix: Water
Analysis Batch: 498489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	50.0	45.3		ug/L		91	70 - 125
p-Isopropyltoluene	50.0	47.2		ug/L		94	70 - 125
1,4-Dichlorobenzene	50.0	43.9		ug/L		88	70 - 120
n-Butylbenzene	50.0	45.9		ug/L		92	68 - 125
1,2-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	33.5		ug/L		67	56 - 123
1,2,4-Trichlorobenzene	50.0	44.0		ug/L		88	57 - 137
Hexachlorobutadiene	50.0	45.7		ug/L		91	51 - 150
Naphthalene	50.0	41.9		ug/L		84	53 - 144
1,2,3-Trichlorobenzene	50.0	42.0		ug/L		84	51 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*

Lab Sample ID: 500-167761-17 MS
Matrix: Water
Analysis Batch: 498489

Client Sample ID: RFW-4A Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.50		50.0	46.4		ug/L		93	70 - 120
Dichlorodifluoromethane	<3.0		50.0	41.9		ug/L		84	40 - 159
Chloromethane	<1.0		50.0	48.1		ug/L		96	56 - 152
Vinyl chloride	<1.0		50.0	49.4		ug/L		99	64 - 126
Bromomethane	<3.0		50.0	36.3		ug/L		73	40 - 152
Chloroethane	<1.0		50.0	48.8		ug/L		98	48 - 136
Trichlorofluoromethane	<1.0		50.0	42.2		ug/L		84	55 - 128
1,1-Dichloroethene	<1.0		50.0	45.6		ug/L		91	67 - 122
Carbon disulfide	<2.0		50.0	46.3		ug/L		93	66 - 120
Acetone	<10		50.0	37.7		ug/L		75	40 - 143
Methylene Chloride	3.5	J	50.0	50.1		ug/L		93	69 - 125
trans-1,2-Dichloroethene	<1.0		50.0	47.5		ug/L		95	70 - 125
1,1-Dichloroethane	<1.0		50.0	46.8		ug/L		94	70 - 125
2,2-Dichloropropane	<1.0		50.0	46.0		ug/L		92	58 - 139
cis-1,2-Dichloroethene	0.71	J	50.0	49.0		ug/L		96	70 - 125
Methyl Ethyl Ketone	<5.0		50.0	39.7		ug/L		79	46 - 144
Bromochloromethane	<1.0		50.0	51.2		ug/L		102	65 - 122
Chloroform	0.48	J	50.0	44.0		ug/L		87	70 - 120
1,1,1-Trichloroethane	<1.0		50.0	45.4		ug/L		91	70 - 125
1,1-Dichloropropene	<1.0		50.0	45.7		ug/L		91	70 - 121
Carbon tetrachloride	<1.0		50.0	43.5		ug/L		87	59 - 133
1,2-Dichloroethane	<1.0		50.0	40.2		ug/L		80	68 - 127
Trichloroethene	20		50.0	67.4		ug/L		96	70 - 125
1,2-Dichloropropane	<1.0		50.0	45.8		ug/L		92	67 - 130
Dibromomethane	<1.0		50.0	44.3		ug/L		89	70 - 120
Bromodichloromethane	<1.0		50.0	40.5		ug/L		81	69 - 120

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-167761-17 MS
Matrix: Water
Analysis Batch: 498489

Client Sample ID: RFW-4A Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	<1.0		50.0	41.1		ug/L		82	64 - 127
methyl isobutyl ketone	<5.0		50.0	39.3		ug/L		79	55 - 139
Toluene	<0.50		50.0	43.5		ug/L		87	70 - 125
trans-1,3-Dichloropropene	<1.0		50.0	38.8		ug/L		78	62 - 128
1,1,2-Trichloroethane	<1.0		50.0	42.7		ug/L		85	71 - 130
Tetrachloroethene	17		50.0	63.7		ug/L		94	70 - 128
1,3-Dichloropropane	<1.0		50.0	43.6		ug/L		87	62 - 136
2-Hexanone	<5.0		50.0	40.7		ug/L		81	54 - 146
Dibromochloromethane	<1.0		50.0	41.7		ug/L		83	68 - 125
1,2-Dibromoethane	<1.0		50.0	44.7		ug/L		89	70 - 125
Chlorobenzene	<1.0		50.0	45.4		ug/L		91	70 - 120
1,1,1,2-Tetrachloroethane	<1.0		50.0	44.9		ug/L		90	70 - 125
Ethylbenzene	<0.50		50.0	46.5		ug/L		93	70 - 123
m&p-Xylene	<1.0		50.0	43.7		ug/L		87	70 - 125
o-Xylene	<0.50		50.0	45.2		ug/L		90	70 - 120
Styrene	<1.0		50.0	46.2		ug/L		92	70 - 120
Bromoform	<1.0		50.0	42.6		ug/L		85	56 - 132
Isopropylbenzene	<1.0		50.0	46.4		ug/L		93	70 - 126
Bromobenzene	<1.0		50.0	46.5		ug/L		93	70 - 122
1,1,2,2-Tetrachloroethane	<1.0		50.0	45.2		ug/L		90	62 - 140
1,2,3-Trichloropropane	<2.0		50.0	44.1		ug/L		88	50 - 133
N-Propylbenzene	<1.0		50.0	45.5		ug/L		91	69 - 127
2-Chlorotoluene	<1.0		50.0	45.7		ug/L		91	70 - 125
1,3,5-Trimethylbenzene	<1.0		50.0	46.8		ug/L		94	70 - 123
4-Chlorotoluene	<1.0		50.0	44.3		ug/L		89	68 - 124
tert-Butylbenzene	<1.0		50.0	47.9		ug/L		96	70 - 121
1,2,4-Trimethylbenzene	<1.0		50.0	46.4		ug/L		93	70 - 123
sec-Butylbenzene	<1.0		50.0	47.4		ug/L		95	70 - 123
1,3-Dichlorobenzene	<1.0		50.0	47.1		ug/L		94	70 - 125
p-Isopropyltoluene	<1.0		50.0	47.8		ug/L		96	70 - 125
1,4-Dichlorobenzene	<1.0		50.0	46.2		ug/L		92	70 - 120
n-Butylbenzene	<1.0		50.0	45.4		ug/L		91	68 - 125
1,2-Dichlorobenzene	<1.0		50.0	47.5		ug/L		95	70 - 125
1,2-Dibromo-3-Chloropropane	<5.0		50.0	37.2		ug/L		74	56 - 123
1,2,4-Trichlorobenzene	<1.0		50.0	44.8		ug/L		90	57 - 137
Hexachlorobutadiene	<1.0		50.0	46.2		ug/L		92	51 - 150
Naphthalene	<1.0		50.0	46.0		ug/L		92	53 - 144
1,2,3-Trichlorobenzene	<1.0		50.0	44.4		ug/L		89	51 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-167761-17 MSD
Matrix: Water
Analysis Batch: 498489

Client Sample ID: RFW-4A Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.50		50.0	46.6		ug/L		93	70 - 120	0	20
Dichlorodifluoromethane	<3.0		50.0	43.4		ug/L		87	40 - 159	3	20
Chloromethane	<1.0		50.0	49.1		ug/L		98	56 - 152	2	20
Vinyl chloride	<1.0		50.0	51.7		ug/L		103	64 - 126	5	20
Bromomethane	<3.0		50.0	40.3		ug/L		81	40 - 152	10	20
Chloroethane	<1.0		50.0	50.4		ug/L		101	48 - 136	3	20
Trichlorofluoromethane	<1.0		50.0	43.0		ug/L		86	55 - 128	2	20
1,1-Dichloroethene	<1.0		50.0	46.0		ug/L		92	67 - 122	1	20
Carbon disulfide	<2.0		50.0	46.1		ug/L		92	66 - 120	0	20
Acetone	<10		50.0	35.2		ug/L		70	40 - 143	7	20
Methylene Chloride	3.5	J	50.0	50.3		ug/L		94	69 - 125	0	20
trans-1,2-Dichloroethene	<1.0		50.0	48.0		ug/L		96	70 - 125	1	20
1,1-Dichloroethane	<1.0		50.0	46.7		ug/L		93	70 - 125	0	20
2,2-Dichloropropane	<1.0		50.0	45.5		ug/L		91	58 - 139	1	20
cis-1,2-Dichloroethene	0.71	J	50.0	49.0		ug/L		97	70 - 125	0	20
Methyl Ethyl Ketone	<5.0		50.0	39.9		ug/L		80	46 - 144	0	20
Bromochloromethane	<1.0		50.0	50.3		ug/L		101	65 - 122	2	20
Chloroform	0.48	J	50.0	44.2		ug/L		87	70 - 120	0	20
1,1,1-Trichloroethane	<1.0		50.0	44.1		ug/L		88	70 - 125	3	20
1,1-Dichloropropene	<1.0		50.0	44.7		ug/L		89	70 - 121	2	20
Carbon tetrachloride	<1.0		50.0	43.8		ug/L		88	59 - 133	1	20
1,2-Dichloroethane	<1.0		50.0	40.4		ug/L		81	68 - 127	0	20
Trichloroethene	20		50.0	66.7		ug/L		94	70 - 125	1	20
1,2-Dichloropropane	<1.0		50.0	46.0		ug/L		92	67 - 130	0	20
Dibromomethane	<1.0		50.0	43.4		ug/L		87	70 - 120	2	20
Bromodichloromethane	<1.0		50.0	40.6		ug/L		81	69 - 120	0	20
cis-1,3-Dichloropropene	<1.0		50.0	41.1		ug/L		82	64 - 127	0	20
methyl isobutyl ketone	<5.0		50.0	41.4		ug/L		83	55 - 139	5	20
Toluene	<0.50		50.0	43.0		ug/L		86	70 - 125	1	20
trans-1,3-Dichloropropene	<1.0		50.0	40.2		ug/L		80	62 - 128	3	20
1,1,2-Trichloroethane	<1.0		50.0	43.1		ug/L		86	71 - 130	1	20
Tetrachloroethene	17		50.0	62.5		ug/L		92	70 - 128	2	20
1,3-Dichloropropane	<1.0		50.0	42.6		ug/L		85	62 - 136	2	20
2-Hexanone	<5.0		50.0	41.9		ug/L		84	54 - 146	3	20
Dibromochloromethane	<1.0		50.0	42.2		ug/L		84	68 - 125	1	20
1,2-Dibromoethane	<1.0		50.0	45.1		ug/L		90	70 - 125	1	20
Chlorobenzene	<1.0		50.0	45.7		ug/L		91	70 - 120	1	20
1,1,1,2-Tetrachloroethane	<1.0		50.0	45.5		ug/L		91	70 - 125	1	20
Ethylbenzene	<0.50		50.0	47.2		ug/L		94	70 - 123	1	20
m&p-Xylene	<1.0		50.0	43.7		ug/L		87	70 - 125	0	20
o-Xylene	<0.50		50.0	45.0		ug/L		90	70 - 120	1	20
Styrene	<1.0		50.0	46.2		ug/L		92	70 - 120	0	20
Bromoform	<1.0		50.0	42.9		ug/L		86	56 - 132	1	20
Isopropylbenzene	<1.0		50.0	45.9		ug/L		92	70 - 126	1	20
Bromobenzene	<1.0		50.0	46.4		ug/L		93	70 - 122	0	20
1,1,2,2-Tetrachloroethane	<1.0		50.0	45.4		ug/L		91	62 - 140	0	20
1,2,3-Trichloropropane	<2.0		50.0	42.7		ug/L		85	50 - 133	3	20
N-Propylbenzene	<1.0		50.0	44.8		ug/L		90	69 - 127	1	20

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-167761-17 MSD
Matrix: Water
Analysis Batch: 498489

Client Sample ID: RFW-4A Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	<1.0		50.0	45.3		ug/L		91	70 - 125	1	20
1,3,5-Trimethylbenzene	<1.0		50.0	46.1		ug/L		92	70 - 123	1	20
4-Chlorotoluene	<1.0		50.0	43.8		ug/L		88	68 - 124	1	20
tert-Butylbenzene	<1.0		50.0	47.7		ug/L		95	70 - 121	0	20
1,2,4-Trimethylbenzene	<1.0		50.0	45.9		ug/L		92	70 - 123	1	20
sec-Butylbenzene	<1.0		50.0	46.8		ug/L		94	70 - 123	1	20
1,3-Dichlorobenzene	<1.0		50.0	46.1		ug/L		92	70 - 125	2	20
p-Isopropyltoluene	<1.0		50.0	47.2		ug/L		94	70 - 125	1	20
1,4-Dichlorobenzene	<1.0		50.0	44.9		ug/L		90	70 - 120	3	20
n-Butylbenzene	<1.0		50.0	44.9		ug/L		90	68 - 125	1	20
1,2-Dichlorobenzene	<1.0		50.0	46.9		ug/L		94	70 - 125	1	20
1,2-Dibromo-3-Chloropropane	<5.0		50.0	35.3		ug/L		71	56 - 123	5	20
1,2,4-Trichlorobenzene	<1.0		50.0	43.2		ug/L		86	57 - 137	4	20
Hexachlorobutadiene	<1.0		50.0	46.5		ug/L		93	51 - 150	1	20
Naphthalene	<1.0		50.0	44.4		ug/L		89	53 - 144	4	20
1,2,3-Trichlorobenzene	<1.0		50.0	43.4		ug/L		87	51 - 145	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*

Lab Chronicle

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

Job ID: 500-167761-1

Client Sample ID: EW-6
Lab Sample ID: 500-167761-1
Date Collected: 08/01/19 13:45
Matrix: Water
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 11:51	JDD	TAL CHI

Client Sample ID: EW-7
Lab Sample ID: 500-167761-2
Date Collected: 08/01/19 13:40
Matrix: Water
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 12:16	JDD	TAL CHI

Client Sample ID: EW-8
Lab Sample ID: 500-167761-3
Date Collected: 08/01/19 13:30
Matrix: Water
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 12:41	JDD	TAL CHI

Client Sample ID: EW-9
Lab Sample ID: 500-167761-4
Date Collected: 08/01/19 13:20
Matrix: Water
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 13:06	JDD	TAL CHI

Client Sample ID: EW-9 Dup
Lab Sample ID: 500-167761-5
Date Collected: 08/01/19 13:20
Matrix: Water
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 13:31	JDD	TAL CHI

Client Sample ID: EW-10
Lab Sample ID: 500-167761-6
Date Collected: 08/01/19 13:20
Matrix: Water
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 13:56	JDD	TAL CHI

Client Sample ID: EW-2
Lab Sample ID: 500-167761-7
Date Collected: 08/02/19 12:45
Matrix: Water
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 14:21	JDD	TAL CHI

Lab Chronicle

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

Job ID: 500-167761-1

Client Sample ID: EW-3

Lab Sample ID: 500-167761-8
Matrix: Water

Date Collected: 08/02/19 11:15
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 14:47	JDD	TAL CHI

Client Sample ID: EW-4

Lab Sample ID: 500-167761-9
Matrix: Water

Date Collected: 08/02/19 10:40
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 15:12	JDD	TAL CHI

Client Sample ID: EW-5

Lab Sample ID: 500-167761-10
Matrix: Water

Date Collected: 08/02/19 10:30
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 15:37	JDD	TAL CHI

Client Sample ID: RFW-1A

Lab Sample ID: 500-167761-11
Matrix: Water

Date Collected: 08/01/19 13:45
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 16:02	JDD	TAL CHI

Client Sample ID: RFW-1B

Lab Sample ID: 500-167761-12
Matrix: Water

Date Collected: 08/01/19 13:55
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 16:28	JDD	TAL CHI

Client Sample ID: RFW-2A

Lab Sample ID: 500-167761-13
Matrix: Water

Date Collected: 08/01/19 10:40
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 16:53	JDD	TAL CHI

Client Sample ID: RFW-2B

Lab Sample ID: 500-167761-14
Matrix: Water

Date Collected: 08/01/19 11:20
Date Received: 08/03/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 17:18	JDD	TAL CHI

Lab Chronicle

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

Job ID: 500-167761-1

Client Sample ID: RFW-3B

Lab Sample ID: 500-167761-15

Date Collected: 08/01/19 13:05
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 17:43	JDD	TAL CHI

Client Sample ID: RFW-4A

Lab Sample ID: 500-167761-16

Date Collected: 08/02/19 08:35
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 18:09	JDD	TAL CHI

Client Sample ID: RFW-4A Dup

Lab Sample ID: 500-167761-17

Date Collected: 08/02/19 08:35
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498489	08/07/19 18:34	JDD	TAL CHI

Client Sample ID: RFW-4B

Lab Sample ID: 500-167761-18

Date Collected: 08/02/19 08:00
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 15:34	JDD	TAL CHI

Client Sample ID: RFW-6

Lab Sample ID: 500-167761-19

Date Collected: 08/01/19 15:40
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 16:01	JDD	TAL CHI

Client Sample ID: RFW-7

Lab Sample ID: 500-167761-20

Date Collected: 08/01/19 09:55
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 16:29	JDD	TAL CHI

Client Sample ID: RFW-9

Lab Sample ID: 500-167761-21

Date Collected: 08/02/19 10:05
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 16:56	JDD	TAL CHI

Lab Chronicle

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

Job ID: 500-167761-1

Client Sample ID: RFW-11B

Lab Sample ID: 500-167761-22

Date Collected: 08/02/19 11:35
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 17:24	JDD	TAL CHI

Client Sample ID: RFW-12B

Lab Sample ID: 500-167761-23

Date Collected: 08/02/19 12:35
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 17:52	JDD	TAL CHI

Client Sample ID: RFW-13

Lab Sample ID: 500-167761-24

Date Collected: 08/01/19 14:45
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 18:19	JDD	TAL CHI

Client Sample ID: RFW-17

Lab Sample ID: 500-167761-25

Date Collected: 08/01/19 12:15
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 18:46	JDD	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-167761-26

Date Collected: 08/01/19 07:00
Date Received: 08/03/19 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498469	08/07/19 11:53	JDD	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-167761-1

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)

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

500-167761 COC

Lab Job #: 500-167761
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.1

Client: Western Solutions
Client Project #: 02501.004.005.0001
Project Name: Stanley Black + Decker
Project Location/State: Hampstead MD
Lab Project #:
Sampler: Greg Ekanski
Lab PM: Dick Wright

Preservative: HCl
Parameter: VOC

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	VOC	Comments
1	11		EW-6	8/1/19	1345	3	W	X	
2	12		EW-7		1340			X	
3	13		EW-8		1330			X	
4	14		EW-9		1320			X	
5	15		EW-9 Dup		1320			X	
6	16		EW-10		1320			X	
7	17		EW-2	8/2/19	1245			X	
8	18		EW-3		1115			X	
9	19		EW-4		1040			X	
10	20		EW-5		1030			X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: 8/13/19

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	8/2/19	1600	Pallen Buckley	MCHH	8/3/19	1020
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: 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:

TAL-4124-500 (1209)

8/10/2019

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)
Report To
Contact:
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 - 167761

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler: 3.1

Client: Weston
Client Project #:
Project Name: Stanley Black + Decker
Project Location/State:
Lab Project #:
Sampler: G Flasuski
Lab PM:

Preservative: HCl
Parameter: VOC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (HCl)	Comments
11		RFW-1A	8/1/19	1345	3	W	X	
12		RFW-1B	↓	1355	↓	↓	X	
13		RFW-2A	↓	1040	↓	↓	X	
14		RFW-2B	↓	1120	↓	↓	X	
15		RFW-3B	↓	1305	↓	↓	X	
16		RFW-4A	8/2/19	835	↓	↓	X	
17		RFW-4A Dup	8/2/19	835	↓	↓	X	
18		RFW-4B	8/2/19	800	↓	↓	X	
19		RFW-6	8/1/19	1540	↓	↓	X	
20		RFW-7	8/1/19	955	↓	↓	X	

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	8/2/19	1600	Paula Buckley	TA CH	8/3/19	1020

Lab Courier:
Shipped: 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:

TAL-4124 (1007) 8/10/2019

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-167761
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 3.1

Client: Westen
Client Project #:
Project Name: Stanley Black + Decker
Project Location/State:
Lab Project #:
Sampler: G Flasuski
Lab PM:

Preservative: HCl
Parameter: VOC

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	VOC	Comments
21		RFW-9	8/2/19	1005	3	W	X	
22		RFW-11B		1135			X	
23		RFW-12B		1255			X	
24		RFW-13	8/1/19	1445			X	
25		RFW-17		1215			X	
26		Trip Blank		700	2		X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 3 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
	Westen	8/2/19	1600	Paula Buckley	TMCH	8/3/19	1020
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: 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:

TAL-4124-560 (1909)

8/10/2019

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

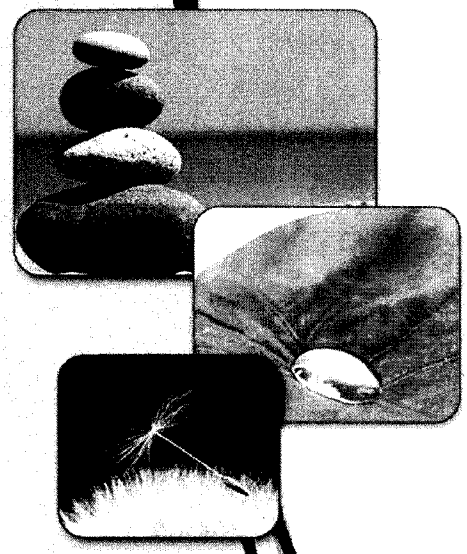
Job Number: 500-167761-1

Login Number: 167761
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins 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	3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

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

Laboratory Job ID: 680-172503-1
Client Project/Site: Black & Decker

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

Attn: Greg Flasinski

Jessica Speaks

Authorized for release by:
8/16/2019 8:58:49 AM

Jessica Speaks, Project Manager I
(912)250-0303
jessica.speaks@testamericainc.com

Job ID: 680-172503-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.
Project: Black & Decker
Report Number: 680-172503-1

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 08/03/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Trip Blank (680-172503-1), RFW-20 (680-172503-2), RFW-21 (680-172503-3), HAMP-22 (680-172503-4) and HAMP-23 (680-172503-5) were analyzed for Volatile organic Compounds (GC-MS) in accordance with EPA Method 524.2. The samples were analyzed on 08/13/2019.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-581954 and analytical batch 680-581526.

The laboratory control sample (LCS) for analytical batch 680-581954 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane and 2,2-Dichloropropane. 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.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch analytical batch 680-581954 recovered outside control limits for the following analytes: Naphthalene.

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

Job ID: 680-172503-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-172503-1	Trip Blank	Water	08/01/19 08:00	08/03/19 10:00	
680-172503-2	RFW-20	Water	08/01/19 08:50	08/03/19 10:00	
680-172503-3	RFW-21	Water	08/01/19 07:50	08/03/19 10:00	
680-172503-4	HAMP-22	Water	08/02/19 09:10	08/03/19 10:00	
680-172503-5	HAMP-23	Water	08/02/19 09:15	08/03/19 10:00	

Method Summary

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

Job ID: 680-172503-1

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

Definitions/Glossary

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

Job ID: 680-172503-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: Trip Blank

Lab Sample ID: 680-172503-1

Date Collected: 08/01/19 08:00
Date Received: 08/03/19 10:00

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			08/13/19 12:55	1
Benzene	<0.50		0.50	0.082	ug/L			08/13/19 12:55	1
Bromobenzene	<0.50		0.50	0.091	ug/L			08/13/19 12:55	1
Bromoform	<0.50		0.50	0.17	ug/L			08/13/19 12:55	1
Bromomethane	<1.0		1.0	0.20	ug/L			08/13/19 12:55	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			08/13/19 12:55	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:55	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			08/13/19 12:55	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			08/13/19 12:55	1
Chloroethane	<1.0		1.0	0.22	ug/L			08/13/19 12:55	1
Chloroform	<0.50		0.50	0.20	ug/L			08/13/19 12:55	1
Chloromethane	<0.50		0.50	0.15	ug/L			08/13/19 12:55	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			08/13/19 12:55	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			08/13/19 12:55	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 12:55	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			08/13/19 12:55	1
1,2-Dibromo-3-Chloropropane	<0.50	*	0.50	0.30	ug/L			08/13/19 12:55	1
Dibromomethane	<0.50		0.50	0.16	ug/L			08/13/19 12:55	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			08/13/19 12:55	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			08/13/19 12:55	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			08/13/19 12:55	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			08/13/19 12:55	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			08/13/19 12:55	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			08/13/19 12:55	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			08/13/19 12:55	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			08/13/19 12:55	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			08/13/19 12:55	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			08/13/19 12:55	1
2,2-Dichloropropane	<0.50	*	0.50	0.20	ug/L			08/13/19 12:55	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			08/13/19 12:55	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			08/13/19 12:55	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			08/13/19 12:55	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			08/13/19 12:55	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			08/13/19 12:55	1
Freon 113	<0.50		0.50	0.15	ug/L			08/13/19 12:55	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			08/13/19 12:55	1
2-Hexanone	<10		10	5.0	ug/L			08/13/19 12:55	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			08/13/19 12:55	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			08/13/19 12:55	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			08/13/19 12:55	1
2-Butanone (MEK)	<10		10	5.0	ug/L			08/13/19 12:55	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			08/13/19 12:55	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			08/13/19 12:55	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			08/13/19 12:55	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 12:55	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 12:55	1
o-Xylene	<0.50		0.50	0.086	ug/L			08/13/19 12:55	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:55	1
Styrene	<0.50		0.50	0.089	ug/L			08/13/19 12:55	1

Client Sample ID: Trip Blank

Date Collected: 08/01/19 08:00
Date Received: 08/03/19 10:00

Lab Sample ID: 680-172503-1

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			08/13/19 12:55	1
tert-Butyl alcohol	<10		10	1.6	ug/L			08/13/19 12:55	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:55	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			08/13/19 12:55	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			08/13/19 12:55	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			08/13/19 12:55	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			08/13/19 12:55	1
Toluene	<0.50		0.50	0.086	ug/L			08/13/19 12:55	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 12:55	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			08/13/19 12:55	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:55	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			08/13/19 12:55	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			08/13/19 12:55	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			08/13/19 12:55	1
Trichloroethene	<0.50		0.50	0.13	ug/L			08/13/19 12:55	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			08/13/19 12:55	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			08/13/19 12:55	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			08/13/19 12:55	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 12:55	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			08/13/19 12:55	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			08/13/19 12:55	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			08/13/19 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*08/13/19 12:55*	*1*
1,2-Dichlorobenzene-d4	*100*		*70 - 130*		*08/13/19 12:55*	*1*

Client Sample ID: RFW-20

Date Collected: 08/01/19 08:50
Date Received: 08/03/19 10:00

Lab Sample ID: 680-172503-2

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			08/13/19 17:16	1
Benzene	<0.50		0.50	0.082	ug/L			08/13/19 17:16	1
Bromobenzene	<0.50		0.50	0.091	ug/L			08/13/19 17:16	1
Bromoform	<0.50		0.50	0.17	ug/L			08/13/19 17:16	1
Bromomethane	<1.0		1.0	0.20	ug/L			08/13/19 17:16	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			08/13/19 17:16	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:16	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			08/13/19 17:16	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			08/13/19 17:16	1
Chloroethane	<1.0		1.0	0.22	ug/L			08/13/19 17:16	1
Chloroform	<0.50		0.50	0.20	ug/L			08/13/19 17:16	1
Chloromethane	<0.50		0.50	0.15	ug/L			08/13/19 17:16	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			08/13/19 17:16	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			08/13/19 17:16	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 17:16	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			08/13/19 17:16	1
1,2-Dibromo-3-Chloropropane	<0.50	*	0.50	0.30	ug/L			08/13/19 17:16	1
Dibromomethane	<0.50		0.50	0.16	ug/L			08/13/19 17:16	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			08/13/19 17:16	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			08/13/19 17:16	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			08/13/19 17:16	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			08/13/19 17:16	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			08/13/19 17:16	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			08/13/19 17:16	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			08/13/19 17:16	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			08/13/19 17:16	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			08/13/19 17:16	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			08/13/19 17:16	1
2,2-Dichloropropane	<0.50	*	0.50	0.20	ug/L			08/13/19 17:16	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			08/13/19 17:16	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			08/13/19 17:16	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			08/13/19 17:16	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			08/13/19 17:16	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			08/13/19 17:16	1
Freon 113	<0.50		0.50	0.15	ug/L			08/13/19 17:16	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			08/13/19 17:16	1
2-Hexanone	<10		10	5.0	ug/L			08/13/19 17:16	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			08/13/19 17:16	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			08/13/19 17:16	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			08/13/19 17:16	1
2-Butanone (MEK)	<10		10	5.0	ug/L			08/13/19 17:16	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			08/13/19 17:16	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			08/13/19 17:16	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			08/13/19 17:16	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 17:16	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 17:16	1
o-Xylene	<0.50		0.50	0.086	ug/L			08/13/19 17:16	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:16	1
Styrene	<0.50		0.50	0.089	ug/L			08/13/19 17:16	1

Client Sample ID: RFW-20

Date Collected: 08/01/19 08:50
Date Received: 08/03/19 10:00

Lab Sample ID: 680-172503-2

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			08/13/19 17:16	1
tert-Butyl alcohol	<10		10	1.6	ug/L			08/13/19 17:16	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:16	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			08/13/19 17:16	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			08/13/19 17:16	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			08/13/19 17:16	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			08/13/19 17:16	1
Toluene	<0.50		0.50	0.086	ug/L			08/13/19 17:16	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 17:16	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			08/13/19 17:16	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:16	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			08/13/19 17:16	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			08/13/19 17:16	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			08/13/19 17:16	1
Trichloroethene	<0.50		0.50	0.13	ug/L			08/13/19 17:16	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			08/13/19 17:16	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			08/13/19 17:16	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			08/13/19 17:16	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 17:16	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			08/13/19 17:16	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			08/13/19 17:16	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			08/13/19 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*08/13/19 17:16*	*1*
1,2-Dichlorobenzene-d4	*99*		*70 - 130*		*08/13/19 17:16*	*1*

Client Sample ID: RFW-21

Date Collected: 08/01/19 07:50
Date Received: 08/03/19 10:00

Lab Sample ID: 680-172503-3

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			08/13/19 17:39	1
Benzene	<0.50		0.50	0.082	ug/L			08/13/19 17:39	1
Bromobenzene	<0.50		0.50	0.091	ug/L			08/13/19 17:39	1
Bromoform	<0.50		0.50	0.17	ug/L			08/13/19 17:39	1
Bromomethane	<1.0		1.0	0.20	ug/L			08/13/19 17:39	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			08/13/19 17:39	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:39	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			08/13/19 17:39	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			08/13/19 17:39	1
Chloroethane	<1.0		1.0	0.22	ug/L			08/13/19 17:39	1
Chloroform	<0.50		0.50	0.20	ug/L			08/13/19 17:39	1
Chloromethane	<0.50		0.50	0.15	ug/L			08/13/19 17:39	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			08/13/19 17:39	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			08/13/19 17:39	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 17:39	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			08/13/19 17:39	1
1,2-Dibromo-3-Chloropropane	<0.50	*	0.50	0.30	ug/L			08/13/19 17:39	1
Dibromomethane	<0.50		0.50	0.16	ug/L			08/13/19 17:39	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			08/13/19 17:39	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			08/13/19 17:39	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			08/13/19 17:39	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			08/13/19 17:39	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			08/13/19 17:39	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			08/13/19 17:39	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			08/13/19 17:39	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			08/13/19 17:39	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			08/13/19 17:39	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			08/13/19 17:39	1
2,2-Dichloropropane	<0.50	*	0.50	0.20	ug/L			08/13/19 17:39	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			08/13/19 17:39	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			08/13/19 17:39	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			08/13/19 17:39	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			08/13/19 17:39	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			08/13/19 17:39	1
Freon 113	<0.50		0.50	0.15	ug/L			08/13/19 17:39	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			08/13/19 17:39	1
2-Hexanone	<10		10	5.0	ug/L			08/13/19 17:39	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			08/13/19 17:39	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			08/13/19 17:39	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			08/13/19 17:39	1
2-Butanone (MEK)	<10		10	5.0	ug/L			08/13/19 17:39	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			08/13/19 17:39	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			08/13/19 17:39	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			08/13/19 17:39	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 17:39	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 17:39	1
o-Xylene	<0.50		0.50	0.086	ug/L			08/13/19 17:39	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:39	1
Styrene	<0.50		0.50	0.089	ug/L			08/13/19 17:39	1

Client Sample ID: RFW-21

Date Collected: 08/01/19 07:50
Date Received: 08/03/19 10:00

Lab Sample ID: 680-172503-3

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			08/13/19 17:39	1
tert-Butyl alcohol	<10		10	1.6	ug/L			08/13/19 17:39	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:39	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			08/13/19 17:39	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			08/13/19 17:39	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			08/13/19 17:39	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			08/13/19 17:39	1
Toluene	<0.50		0.50	0.086	ug/L			08/13/19 17:39	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 17:39	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			08/13/19 17:39	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 17:39	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			08/13/19 17:39	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			08/13/19 17:39	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			08/13/19 17:39	1
Trichloroethene	<0.50		0.50	0.13	ug/L			08/13/19 17:39	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			08/13/19 17:39	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			08/13/19 17:39	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			08/13/19 17:39	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 17:39	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			08/13/19 17:39	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			08/13/19 17:39	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			08/13/19 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*08/13/19 17:39*	*1*
1,2-Dichlorobenzene-d4	*99*		*70 - 130*		*08/13/19 17:39*	*1*

Client Sample ID: HAMP-22

Lab Sample ID: 680-172503-4

Date Collected: 08/02/19 09:10
Date Received: 08/03/19 10:00

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			08/13/19 18:03	1
Benzene	<0.50		0.50	0.082	ug/L			08/13/19 18:03	1
Bromobenzene	<0.50		0.50	0.091	ug/L			08/13/19 18:03	1
Bromoform	<0.50		0.50	0.17	ug/L			08/13/19 18:03	1
Bromomethane	<1.0		1.0	0.20	ug/L			08/13/19 18:03	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			08/13/19 18:03	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:03	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			08/13/19 18:03	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			08/13/19 18:03	1
Chloroethane	<1.0		1.0	0.22	ug/L			08/13/19 18:03	1
Chloroform	<0.50		0.50	0.20	ug/L			08/13/19 18:03	1
Chloromethane	<0.50		0.50	0.15	ug/L			08/13/19 18:03	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			08/13/19 18:03	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			08/13/19 18:03	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 18:03	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			08/13/19 18:03	1
1,2-Dibromo-3-Chloropropane	<0.50	*	0.50	0.30	ug/L			08/13/19 18:03	1
Dibromomethane	<0.50		0.50	0.16	ug/L			08/13/19 18:03	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			08/13/19 18:03	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			08/13/19 18:03	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			08/13/19 18:03	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			08/13/19 18:03	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			08/13/19 18:03	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			08/13/19 18:03	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			08/13/19 18:03	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			08/13/19 18:03	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			08/13/19 18:03	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			08/13/19 18:03	1
2,2-Dichloropropane	<0.50	*	0.50	0.20	ug/L			08/13/19 18:03	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			08/13/19 18:03	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			08/13/19 18:03	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			08/13/19 18:03	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			08/13/19 18:03	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			08/13/19 18:03	1
Freon 113	<0.50		0.50	0.15	ug/L			08/13/19 18:03	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			08/13/19 18:03	1
2-Hexanone	<10		10	5.0	ug/L			08/13/19 18:03	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			08/13/19 18:03	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			08/13/19 18:03	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			08/13/19 18:03	1
2-Butanone (MEK)	<10		10	5.0	ug/L			08/13/19 18:03	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			08/13/19 18:03	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			08/13/19 18:03	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			08/13/19 18:03	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 18:03	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 18:03	1
o-Xylene	<0.50		0.50	0.086	ug/L			08/13/19 18:03	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:03	1
Styrene	<0.50		0.50	0.089	ug/L			08/13/19 18:03	1

Client Sample ID: HAMP-22

Date Collected: 08/02/19 09:10
Date Received: 08/03/19 10:00

Lab Sample ID: 680-172503-4

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			08/13/19 18:03	1
tert-Butyl alcohol	<10		10	1.6	ug/L			08/13/19 18:03	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:03	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			08/13/19 18:03	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			08/13/19 18:03	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			08/13/19 18:03	1
Tetrachloroethene	0.67		0.50	0.18	ug/L			08/13/19 18:03	1
Toluene	<0.50		0.50	0.086	ug/L			08/13/19 18:03	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 18:03	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			08/13/19 18:03	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:03	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			08/13/19 18:03	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			08/13/19 18:03	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			08/13/19 18:03	1
Trichloroethene	<0.50		0.50	0.13	ug/L			08/13/19 18:03	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			08/13/19 18:03	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			08/13/19 18:03	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			08/13/19 18:03	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 18:03	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			08/13/19 18:03	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			08/13/19 18:03	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			08/13/19 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*08/13/19 18:03*	*1*
1,2-Dichlorobenzene-d4	*99*		*70 - 130*		*08/13/19 18:03*	*1*

Client Sample ID: HAMP-23

Lab Sample ID: 680-172503-5

Date Collected: 08/02/19 09:15
Date Received: 08/03/19 10:00

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			08/13/19 18:27	1
Benzene	<0.50		0.50	0.082	ug/L			08/13/19 18:27	1
Bromobenzene	<0.50		0.50	0.091	ug/L			08/13/19 18:27	1
Bromoform	<0.50		0.50	0.17	ug/L			08/13/19 18:27	1
Bromomethane	<1.0		1.0	0.20	ug/L			08/13/19 18:27	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			08/13/19 18:27	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:27	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			08/13/19 18:27	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			08/13/19 18:27	1
Chloroethane	<1.0		1.0	0.22	ug/L			08/13/19 18:27	1
Chloroform	<0.50		0.50	0.20	ug/L			08/13/19 18:27	1
Chloromethane	<0.50		0.50	0.15	ug/L			08/13/19 18:27	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			08/13/19 18:27	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			08/13/19 18:27	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 18:27	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			08/13/19 18:27	1
1,2-Dibromo-3-Chloropropane	<0.50	*	0.50	0.30	ug/L			08/13/19 18:27	1
Dibromomethane	<0.50		0.50	0.16	ug/L			08/13/19 18:27	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			08/13/19 18:27	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			08/13/19 18:27	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			08/13/19 18:27	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			08/13/19 18:27	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			08/13/19 18:27	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			08/13/19 18:27	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			08/13/19 18:27	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			08/13/19 18:27	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			08/13/19 18:27	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			08/13/19 18:27	1
2,2-Dichloropropane	<0.50	*	0.50	0.20	ug/L			08/13/19 18:27	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			08/13/19 18:27	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			08/13/19 18:27	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			08/13/19 18:27	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			08/13/19 18:27	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			08/13/19 18:27	1
Freon 113	<0.50		0.50	0.15	ug/L			08/13/19 18:27	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			08/13/19 18:27	1
2-Hexanone	<10		10	5.0	ug/L			08/13/19 18:27	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			08/13/19 18:27	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			08/13/19 18:27	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			08/13/19 18:27	1
2-Butanone (MEK)	<10		10	5.0	ug/L			08/13/19 18:27	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			08/13/19 18:27	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			08/13/19 18:27	1
Naphthalene	<1.0	*	1.0	0.43	ug/L			08/13/19 18:27	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 18:27	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 18:27	1
o-Xylene	<0.50		0.50	0.086	ug/L			08/13/19 18:27	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:27	1
Styrene	<0.50		0.50	0.089	ug/L			08/13/19 18:27	1

Client Sample ID: HAMP-23

Date Collected: 08/02/19 09:15
Date Received: 08/03/19 10:00

Lab Sample ID: 680-172503-5

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			08/13/19 18:27	1
tert-Butyl alcohol	2.2	J	10	1.6	ug/L			08/13/19 18:27	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:27	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			08/13/19 18:27	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			08/13/19 18:27	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			08/13/19 18:27	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			08/13/19 18:27	1
Toluene	<0.50		0.50	0.086	ug/L			08/13/19 18:27	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 18:27	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			08/13/19 18:27	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 18:27	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			08/13/19 18:27	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			08/13/19 18:27	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			08/13/19 18:27	1
Trichloroethene	<0.50		0.50	0.13	ug/L			08/13/19 18:27	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			08/13/19 18:27	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			08/13/19 18:27	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			08/13/19 18:27	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 18:27	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			08/13/19 18:27	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			08/13/19 18:27	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			08/13/19 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*08/13/19 18:27*	*1*
1,2-Dichlorobenzene-d4	*100*		*70 - 130*		*08/13/19 18:27*	*1*

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

Lab Sample ID: MB 680-581954/9
Matrix: Water
Analysis Batch: 581954

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			08/13/19 12:31	1
Benzene	<0.50		0.50	0.082	ug/L			08/13/19 12:31	1
Bromobenzene	<0.50		0.50	0.091	ug/L			08/13/19 12:31	1
Bromoform	<0.50		0.50	0.17	ug/L			08/13/19 12:31	1
Bromomethane	<1.0		1.0	0.20	ug/L			08/13/19 12:31	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			08/13/19 12:31	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:31	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			08/13/19 12:31	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			08/13/19 12:31	1
Chloroethane	<1.0		1.0	0.22	ug/L			08/13/19 12:31	1
Chloroform	<0.50		0.50	0.20	ug/L			08/13/19 12:31	1
Chloromethane	<0.50		0.50	0.15	ug/L			08/13/19 12:31	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			08/13/19 12:31	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			08/13/19 12:31	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 12:31	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			08/13/19 12:31	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			08/13/19 12:31	1
Dibromomethane	<0.50		0.50	0.16	ug/L			08/13/19 12:31	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			08/13/19 12:31	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			08/13/19 12:31	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			08/13/19 12:31	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			08/13/19 12:31	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			08/13/19 12:31	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			08/13/19 12:31	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			08/13/19 12:31	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			08/13/19 12:31	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			08/13/19 12:31	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			08/13/19 12:31	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			08/13/19 12:31	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			08/13/19 12:31	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			08/13/19 12:31	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			08/13/19 12:31	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			08/13/19 12:31	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			08/13/19 12:31	1
Freon 113	<0.50		0.50	0.15	ug/L			08/13/19 12:31	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			08/13/19 12:31	1
2-Hexanone	<10		10	5.0	ug/L			08/13/19 12:31	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			08/13/19 12:31	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			08/13/19 12:31	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			08/13/19 12:31	1
2-Butanone (MEK)	<10		10	5.0	ug/L			08/13/19 12:31	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			08/13/19 12:31	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			08/13/19 12:31	1
Naphthalene	<1.0		1.0	0.43	ug/L			08/13/19 12:31	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 12:31	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 12:31	1
o-Xylene	<0.50		0.50	0.086	ug/L			08/13/19 12:31	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:31	1

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

Lab Sample ID: MB 680-581954/9
Matrix: Water
Analysis Batch: 581954

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			08/13/19 12:31	1
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			08/13/19 12:31	1
tert-Butyl alcohol	<10		10	1.6	ug/L			08/13/19 12:31	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:31	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			08/13/19 12:31	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			08/13/19 12:31	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			08/13/19 12:31	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			08/13/19 12:31	1
Toluene	<0.50		0.50	0.086	ug/L			08/13/19 12:31	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			08/13/19 12:31	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			08/13/19 12:31	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			08/13/19 12:31	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			08/13/19 12:31	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			08/13/19 12:31	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			08/13/19 12:31	1
Trichloroethene	<0.50		0.50	0.13	ug/L			08/13/19 12:31	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			08/13/19 12:31	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			08/13/19 12:31	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			08/13/19 12:31	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			08/13/19 12:31	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			08/13/19 12:31	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			08/13/19 12:31	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			08/13/19 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*08/13/19 12:31*	*1*
1,2-Dichlorobenzene-d4	*100*		*70 - 130*		*08/13/19 12:31*	*1*

Lab Sample ID: LCS 680-581954/1002
Matrix: Water
Analysis Batch: 581954

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	80.2		ug/L		80	70 - 130
Benzene	20.0	17.3		ug/L		86	70 - 130
Bromobenzene	20.0	17.2		ug/L		86	70 - 130
Bromoform	20.0	16.2		ug/L		81	70 - 130
Bromomethane	20.0	23.0		ug/L		115	70 - 130
Carbon tetrachloride	20.0	19.6		ug/L		98	70 - 130
Chlorobenzene	20.0	17.8		ug/L		89	70 - 130
Chlorobromomethane	20.0	18.0		ug/L		90	70 - 130
Chlorodibromomethane	20.0	16.9		ug/L		85	70 - 130
Chloroethane	20.0	20.0		ug/L		100	70 - 130
Chloroform	20.0	19.1		ug/L		95	70 - 130
Chloromethane	20.0	16.5		ug/L		82	70 - 130
2-Chlorotoluene	20.0	17.5		ug/L		88	70 - 130
4-Chlorotoluene	20.0	17.6		ug/L		88	70 - 130
cis-1,2-Dichloroethene	20.0	18.6		ug/L		93	70 - 130

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

Lab Sample ID: LCS 680-581954/1002
Matrix: Water
Analysis Batch: 581954

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	17.7		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	13.4	*	ug/L		67	70 - 130
Dibromomethane	20.0	17.3		ug/L		87	70 - 130
1,2-Dichlorobenzene	20.0	17.1		ug/L		86	70 - 130
1,3-Dichlorobenzene	20.0	17.7		ug/L		88	70 - 130
1,4-Dichlorobenzene	20.0	17.3		ug/L		86	70 - 130
Dichlorobromomethane	20.0	18.3		ug/L		92	70 - 130
Dichlorodifluoromethane	20.0	16.3		ug/L		82	70 - 130
1,1-Dichloroethane	20.0	18.4		ug/L		92	70 - 130
1,2-Dichloroethane	20.0	18.5		ug/L		92	70 - 130
1,1-Dichloroethene	20.0	18.4		ug/L		92	70 - 130
1,2-Dichloropropane	20.0	17.3		ug/L		86	70 - 130
1,3-Dichloropropane	20.0	17.0		ug/L		85	70 - 130
2,2-Dichloropropane	20.0	19.2		ug/L		96	70 - 130
1,1-Dichloropropene	20.0	17.9		ug/L		89	70 - 130
1,3-Dichloropropene, Total	40.0	35.6		ug/L		89	70 - 130
Diisopropyl ether	20.0	18.0		ug/L		90	70 - 130
Ethylbenzene	20.0	17.1		ug/L		86	70 - 130
Ethylene Dibromide	20.0	17.0		ug/L		85	70 - 130
Freon 113	20.0	19.2		ug/L		96	70 - 130
Hexachlorobutadiene	20.0	18.1		ug/L		90	70 - 130
2-Hexanone	100	72.8		ug/L		73	70 - 130
Isopropylbenzene	20.0	17.9		ug/L		89	70 - 130
4-Isopropyltoluene	20.0	17.6		ug/L		88	70 - 130
Methylene Chloride	20.0	19.2		ug/L		96	70 - 130
2-Butanone (MEK)	100	82.0		ug/L		82	70 - 130
4-Methyl-2-pentanone (MIBK)	100	76.5		ug/L		76	70 - 130
m-Xylene & p-Xylene	20.0	17.4		ug/L		87	70 - 130
Naphthalene	20.0	14.1		ug/L		70	70 - 130
n-Butylbenzene	20.0	18.2		ug/L		91	70 - 130
N-Propylbenzene	20.0	17.9		ug/L		89	70 - 130
o-Xylene	20.0	17.2		ug/L		86	70 - 130
sec-Butylbenzene	20.0	17.8		ug/L		89	70 - 130
Styrene	20.0	17.2		ug/L		86	70 - 130
Tert-amyl methyl ether	20.0	17.5		ug/L		88	70 - 130
tert-Butyl alcohol	200	143		ug/L		72	70 - 130
tert-Butylbenzene	20.0	17.6		ug/L		88	70 - 130
Tert-butyl ethyl ether	20.0	17.9		ug/L		89	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.3		ug/L		87	70 - 130
1,1,2,2-Tetrachloroethane	20.0	15.4		ug/L		77	70 - 130
Tetrachloroethene	20.0	17.4		ug/L		87	70 - 130
Toluene	20.0	17.5		ug/L		87	70 - 130
trans-1,2-Dichloroethene	20.0	18.7		ug/L		93	70 - 130
trans-1,3-Dichloropropene	20.0	17.9		ug/L		90	70 - 130
1,2,3-Trichlorobenzene	20.0	15.9		ug/L		80	70 - 130
1,2,4-Trichlorobenzene	20.0	18.0		ug/L		90	70 - 130
1,1,1-Trichloroethane	20.0	18.1		ug/L		90	70 - 130
1,1,2-Trichloroethane	20.0	17.1		ug/L		86	70 - 130
Trichloroethene	20.0	18.0		ug/L		90	70 - 130

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

Lab Sample ID: LCS 680-581954/1002
Matrix: Water
Analysis Batch: 581954

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	20.0	20.0		ug/L		100	70 - 130
1,2,3-Trichloropropane	20.0	15.7		ug/L		78	70 - 130
Trihalomethanes, Total	80.0	70.5		ug/L		88	70 - 130
1,2,4-Trimethylbenzene	20.0	17.3		ug/L		86	70 - 130
1,3,5-Trimethylbenzene	20.0	17.2		ug/L		86	70 - 130
Vinyl chloride	20.0	17.4		ug/L		87	70 - 130
Xylenes, Total	40.0	34.7		ug/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
1,2-Dichlorobenzene-d4	*98*		*70 - 130*

Lab Sample ID: LCSD 680-581954/3
Matrix: Water
Analysis Batch: 581954

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	82.6		ug/L		83	70 - 130	3	20
Benzene	20.0	17.7		ug/L		88	70 - 130	2	20
Bromobenzene	20.0	19.4		ug/L		97	70 - 130	12	20
Bromoform	20.0	18.4		ug/L		92	70 - 130	13	20
Bromomethane	20.0	24.9		ug/L		124	70 - 130	8	20
Carbon tetrachloride	20.0	18.3		ug/L		91	70 - 130	7	20
Chlorobenzene	20.0	19.1		ug/L		96	70 - 130	7	20
Chlorobromomethane	20.0	18.4		ug/L		92	70 - 130	2	20
Chlorodibromomethane	20.0	18.6		ug/L		93	70 - 130	9	20
Chloroethane	20.0	20.4		ug/L		102	70 - 130	2	20
Chloroform	20.0	19.5		ug/L		98	70 - 130	2	20
Chloromethane	20.0	17.9		ug/L		90	70 - 130	8	20
2-Chlorotoluene	20.0	19.1		ug/L		96	70 - 130	9	20
4-Chlorotoluene	20.0	19.3		ug/L		96	70 - 130	9	20
cis-1,2-Dichloroethene	20.0	17.5		ug/L		87	70 - 130	6	20
cis-1,3-Dichloropropene	20.0	16.3		ug/L		82	70 - 130	8	20
1,2-Dibromo-3-Chloropropane	20.0	15.8		ug/L		79	70 - 130	17	20
Dibromomethane	20.0	17.6		ug/L		88	70 - 130	2	20
1,2-Dichlorobenzene	20.0	19.5		ug/L		97	70 - 130	13	20
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 130	11	20
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	70 - 130	12	20
Dichlorobromomethane	20.0	18.7		ug/L		93	70 - 130	2	20
Dichlorodifluoromethane	20.0	16.6		ug/L		83	70 - 130	2	20
1,1-Dichloroethane	20.0	17.9		ug/L		89	70 - 130	3	20
1,2-Dichloroethane	20.0	19.0		ug/L		95	70 - 130	3	20
1,1-Dichloroethene	20.0	19.1		ug/L		96	70 - 130	4	20
1,2-Dichloropropane	20.0	17.3		ug/L		87	70 - 130	0	20
1,3-Dichloropropane	20.0	17.7		ug/L		88	70 - 130	4	20
2,2-Dichloropropane	20.0	9.73	*	ug/L		49	70 - 130	65	20
1,1-Dichloropropene	20.0	17.8		ug/L		89	70 - 130	0	20
1,3-Dichloropropene, Total	40.0	32.4		ug/L		81	70 - 130	9	20

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

Lab Sample ID: LCSD 680-581954/3
Matrix: Water
Analysis Batch: 581954

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
Diisopropyl ether	20.0	18.3		ug/L		92	70 - 130	2	20
Ethylbenzene	20.0	18.7		ug/L		93	70 - 130	9	20
Ethylene Dibromide	20.0	17.8		ug/L		89	70 - 130	5	20
Freon 113	20.0	19.9		ug/L		100	70 - 130	4	20
Hexachlorobutadiene	20.0	20.8		ug/L		104	70 - 130	14	20
2-Hexanone	100	83.8		ug/L		84	70 - 130	14	20
Isopropylbenzene	20.0	19.3		ug/L		97	70 - 130	8	20
4-Isopropyltoluene	20.0	19.1		ug/L		96	70 - 130	9	20
Methylene Chloride	20.0	19.8		ug/L		99	70 - 130	3	20
2-Butanone (MEK)	100	81.6		ug/L		82	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	100	83.0		ug/L		83	70 - 130	8	20
m-Xylene & p-Xylene	20.0	18.8		ug/L		94	70 - 130	8	20
Naphthalene	20.0	18.0	*	ug/L		90	70 - 130	25	20
n-Butylbenzene	20.0	19.5		ug/L		97	70 - 130	7	20
N-Propylbenzene	20.0	19.3		ug/L		97	70 - 130	8	20
o-Xylene	20.0	18.8		ug/L		94	70 - 130	8	20
sec-Butylbenzene	20.0	19.4		ug/L		97	70 - 130	8	20
Styrene	20.0	18.9		ug/L		94	70 - 130	10	20
Tert-amyl methyl ether	20.0	18.5		ug/L		93	70 - 130	5	20
tert-Butyl alcohol	200	148		ug/L		74	70 - 130	3	20
tert-Butylbenzene	20.0	19.4		ug/L		97	70 - 130	10	20
Tert-butyl ethyl ether	20.0	18.4		ug/L		92	70 - 130	3	20
1,1,1,2-Tetrachloroethane	20.0	19.1		ug/L		95	70 - 130	10	20
1,1,2,2-Tetrachloroethane	20.0	17.5		ug/L		88	70 - 130	13	20
Tetrachloroethene	20.0	18.9		ug/L		95	70 - 130	8	20
Toluene	20.0	18.5		ug/L		93	70 - 130	6	20
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	70 - 130	1	20
trans-1,3-Dichloropropene	20.0	16.1		ug/L		80	70 - 130	11	20
1,2,3-Trichlorobenzene	20.0	19.4		ug/L		97	70 - 130	20	20
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		106	70 - 130	16	20
1,1,1-Trichloroethane	20.0	18.1		ug/L		91	70 - 130	0	20
1,1,2-Trichloroethane	20.0	18.4		ug/L		92	70 - 130	7	20
Trichloroethene	20.0	18.3		ug/L		92	70 - 130	2	20
Trichlorofluoromethane	20.0	20.5		ug/L		102	70 - 130	3	20
1,2,3-Trichloropropane	20.0	17.8		ug/L		89	70 - 130	13	20
Trihalomethanes, Total	80.0	75.2		ug/L		94	70 - 130	6	20
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		96	70 - 130	10	20
1,3,5-Trimethylbenzene	20.0	19.0		ug/L		95	70 - 130	10	20
Vinyl chloride	20.0	17.2		ug/L		86	70 - 130	1	20
Xylenes, Total	40.0	37.6		ug/L		94	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
1,2-Dichlorobenzene-d4	*99*		*70 - 130*

QC Association Summary

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

Job ID: 680-172503-1

GC/MS VOA

Analysis Batch: 581954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-172503-1	Trip Blank	Total/NA	Water	524.2	
680-172503-2	RFW-20	Total/NA	Water	524.2	
680-172503-3	RFW-21	Total/NA	Water	524.2	
680-172503-4	HAMP-22	Total/NA	Water	524.2	
680-172503-5	HAMP-23	Total/NA	Water	524.2	
MB 680-581954/9	Method Blank	Total/NA	Water	524.2	
LCS 680-581954/1002	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-581954/3	Lab Control Sample Dup	Total/NA	Water	524.2	

Lab Chronicle

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

Job ID: 680-172503-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-172503-1

Date Collected: 08/01/19 08:00
Date Received: 08/03/19 10:00

Matrix: Water

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	581954	08/13/19 12:55	P1C	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: RFW-20

Lab Sample ID: 680-172503-2

Date Collected: 08/01/19 08:50
Date Received: 08/03/19 10:00

Matrix: Water

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	581954	08/13/19 17:16	P1C	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: RFW-21

Lab Sample ID: 680-172503-3

Date Collected: 08/01/19 07:50
Date Received: 08/03/19 10:00

Matrix: Water

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	581954	08/13/19 17:39	P1C	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: HAMP-22

Lab Sample ID: 680-172503-4

Date Collected: 08/02/19 09:10
Date Received: 08/03/19 10:00

Matrix: Water

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	581954	08/13/19 18:03	P1C	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: HAMP-23

Lab Sample ID: 680-172503-5

Date Collected: 08/02/19 09:15
Date Received: 08/03/19 10:00

Matrix: Water

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	581954	08/13/19 18:27	P1C	TAL SAV
	Instrument ID: CMSU									

Laboratory References:

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

Chain of Custody Record

eurofins

Environment Testing

Address

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact	Project Manager:	Site Contact	Date:	COC No
Company Name: Weston Solution	Tel/Email:	Lab Contact:	Carrier:	of COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: WChester, PA 19380	CALENDAR DAYS / WORKING DAYS			For Lab Use Only:
Phone: 610.721.0583	TAT if different from Below			Walk-in Client
Fax	2 weeks			Lab Sampling
Project Name: Stanley Black + Decker	1 week			
Site: Hampstead MD	2 days			Job / SDG No.
P O #	1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	Sample Specific Notes
Trip Blank	8/1/19	800	G	W	2			✓	
RFW-20	8/1/19	850			3			✓	
RFW-21	8/1/19	750			3			✓	
HAMP-22	8/2/19	910			3			✓	
HAMP-23	8/2/19	915			3			✓	

580-172503 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: Yes No	Custody Seal No.	Cooler Temp. (°C): Obs'd Corr'd Therm ID No.
Relinquished by	Company: Weston	Date/Time: 8/2/19 1600
Relinquished by	Company	Date/Time
Relinquished by	Company	Date/Time

Received by	Company	Date/Time
		08-03-19 1000
Received by	Company	Date/Time
Received in Laboratory by	Company	Date/Time
	2.3 (CF)	2.1 °C

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-172503-1

Login Number: 172503
List Number: 1
Creator: Banda, Christy S

List Source: Eurofins 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

Job ID: 680-172503-1

Laboratory: Eurofins 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