ANNUAL REPORT

Prepared for

STANLEY BLACK & DECKER (U.S.), INC.

Hampstead, Maryland

July 2019

Prepared by

WESTON SOLUTIONS, INC.

West Chester, Pennsylvania 19380-1499

W.O. No. 02501.004.005.0001

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1. INTRODUCTION

This Annual Report has been prepared to meet the requirements of Condition IV.L 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) and the Addendum to Administrative Consent Order dated 29 June 1995. Specifically, Condition IV.L calls for preparation of an Annual Report containing a summary of the information contained in the Discharge Monitoring Reports (Table 2-3), a summary of all analyses of water samples (Tables 2-4 to 2-7), an explanation of all problems encountered and the manner in which they were resolved (Table 3-1), a performance evaluation of the treatment system (Section 4), and recommendations for continuation of, or changes to, the treatment system (Section 5). This document is one of several that 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 & Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of July 2018 through June 2019.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. Copies of the Withdrawal Reports, for the periods of April through June 2019, are included in Appendix A.

Water levels (Water Level Monitoring Report) for wells included in the water level monitoring plan are presented in Table 2-2. Based on the June 2019 water levels, a representative groundwater elevation contour map under pumping conditions is presented in Figure 2-1. At the time the data were collected, the extraction wells were pumping at a combined rate of approximately 191 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 April 2019 through June 2019 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July 2018 through June 2019, approximately 34.82 pounds (lbs) of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs were comprised of trichlororethene (TCE) (63.9%) and tetrachloroethene (PCE) (36.1%). Analytical results for the air stripper discharge for the period of April 2019 through June 2019 are included in Appendix C.

Table 2-1
Treatment System Pumping Records
(July 2018 through June 2019)

Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
July 2018	6,481,988
August 2018	6,040,454
September 2018	7,118,240
October 2018	8,059,454
November 2018	7,729,484
December 2018	7,970,880
January 2019	8,289,187
February 2019	7,887,917
March 2019	8,813,958
April 2019	8,558,761
May 2019	8,762,124
June 2019	8,376,773

Table 2-2
Groundwater Elevation Data (July 2018 through June 2019)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	7/6/2018		8/27/2018		9/17/2018		10/22/2018	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	88.45	760.76	88.79	760.42	89.09	760.12	88.45	760.76
EW-3	846.64	118	95.00	751.64	96.50	750.14	97.00	749.64	95.89	750.75
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	91.50	772.67	92.00	772.17	92.33	771.84	92.11	772.06
EW-6	831.98	115	104.00	727.98	103.50	728.48	103.70	728.28	104.00	727.98
EW-7	818.38	78	75.30	743.08	39.36	779.02	74.20	744.18	92.02	726.36
EW-8	811.13	98	92.00	719.13	91.40	719.73	92.00	719.13	90.81	720.32
EW-9	811.35	141	103.00	708.35	102.00	709.35	103.00	708.35	102.00	709.35
EW-10	807.74	NA	55.78	751.96	56.68	751.06	57.52	750.22	55.98	751.76
RFW-1A	864.37	78	52.37	812.00	52.43	811.94	52.55	811.82	51.96	812.41
RFW-1B	864.23	200	52.39	811.84	52.46	811.77	52.58	811.65	51.98	812.25
RFW-2A	857.41	35	11.47	845.94	9.49	847.92	12.41	845.00	10.12	847.29
RFW-2B	857.73	75	11.86	845.87	10.05	847.68	12.76	844.97	10.46	847.27
RFW-3B	839.21	153	29.36	809.85	29.43	809.78	29.78	809.43	29.39	809.82
RFW-4A	830.37	62	32.39	797.98	32.43	797.94	33.34	797.03	32.51	797.86
RFW-4B	830.37	120	32.19	798.18	32.21	798.16	33.27	797.10	32.30	798.07
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	3.39	781.65	3.55	781.49	4.21	780.83	4.96	780.08
RFW-7	805.14	29	6.41	798.73	5.59	799.55	5.87	799.27	5.86	799.28
RFW-8	860.07	53	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	22.87	839.15	22.91	839.11	24.45	837.57	23.10	838.92
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	62.39	787.23	63.27	786.35	63.38	786.24	62.22	787.40
RFW-12B	844.87	264	49.43	795.44	49.52	795.35	50.22	794.65	50.11	794.76
RFW-13	849.11	150	62.07	787.04	62.18	786.93	62.97	786.14	62.23	786.88
RFW-14B	812.39	281	52.34	760.05	53.26	759.13	54.03	758.36	52.48	759.91
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	23.87	810.79	24.05	810.61	24.64	810.02	23.88	810.78
RFW-20	842.29	142	31.35	810.94	31.50	810.79	31.79	810.50	31.26	811.03
RFW-21	832.65	102	20.01	812.64	20.28	812.37	20.47	812.18	20.17	812.48
PH-7	805.94	89	28.83	777.11	28.89	777.05	28.84	777.10	28.74	777.20
PH-9	814.94	98	50.47	764.47	50.53	764.41	50.89	764.05	49.93	765.01
PH-11	820.68	78	50.68	770.00	50.76	769.92	51.12	769.56	51.86	768.82
PH-12	828.35	87	49.97	778.38	50.06	778.29	50.42	777.93	48.49	779.86
B-3	803.02	83	NA	NC	NA	NC	NA	NC	NA	NC
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	1.75	803.21	1.43	803.53	1.56	803.40	2.49	802.47
Pembroke #1	NA	NA	8,69	NC	8.72	NC	9.54	NC	10.74	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	9.85	NC	10.05	NC	10.67	NC	10.01	NC
E. Century St.	NA	NA	19.21	NC	19.22	NC	19.27	NC	19.22	NC
Lwr. Beckleys. Rd.	NA	NA	52.67	NC	53.26	NC	53.58	NC	55.60	NC

NA - Not Available/Not Accessible
NC - Not Calculable
PC - Pump Cycles

Table 2-2
Groundwater Elevation Data (July 2018 through June 2019)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	11/21/2018		12/27/2018		1/22/2019		2/10/2019	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	88.74	760.47	89.25	759.96	87.82	761.39	86.25	762.96
EW-3	846.64	118	96.20	750.44	96.50	750.14	91.50	755.14	87.50	759.14
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	91.75	772.42	92.25	771.92	89.28	774.89	87.56	776.61
EW-6	831.98	115	104.00	727.98	104.00	727.98	85.26	746.72	78.22	753.76
EW-7	818.38	78	92.08	726.30	92.10	726.28	91.50	726.88	86.25	732.13
EW-8	811.13	98	91.14	719.99	91.50	719.63	94.80	716.33	93.46	717.67
EW-9	811.35	141	102.00	709.35	102.50	708.85	101.00	710.35	99.70	711.65
EW-10	807.74	NA	53.44	754.30	57.14	750.60	56.11	751.63	51.26	756.48
RFW-1A	864.37	78	43.24	821.13	45.57	818.80	46.82	817.55	47.05	817.32
RFW-1B	864.23	200	43.33	820.90	45.61	818.62	46.79	817.44	47.03	817.20
RFW-2A	857.41	35	9.66	847.75	10.36	847.05	12.62	844.79	11.04	846.37
RFW-2B	857.73	75	10.25	847.48	10.91	846.82	13.04	844.69	11.74	845.99
RFW-3B	839.21	153	28.20	811.01	29.08	810.13	26.56	812.65	23.53	815.68
RFW-4A	830.37	62	32.60	797.77	32.89	797.48	27.59	802.78	21.99	808.38
RFW-4B	830.37	120	32.42	797.95	33.18	797.19	27.65	802.72	22.02	808.35
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	1.26	783.78	3.45	781.59	3.56	781.48	1.33	783.71
RFW-7	805.14	29	4.94	800.20	5.69	799.45	4.95	800.19	3.63	801.51
RFW-8	860.07	53	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	22.30	839.72	23.59	838.43	25.81	836.21	23.00	839.02
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	60.28	789.34	60.77	788.85	65.10	784.52	59.27	790.35
RFW-12B	844.87	264	46.54	798.33	47.41	797.46	48.26	796.61	45.33	799.54
RFW-13	849.11	150	54.40	794.71	56.04	793.07	54.33	794.78	51.17	797.94
RFW-14B	812.39	281	51.80	760.59	52.11	760.28	50.76	761.63	49.56	762.83
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	22.25	812.41	23.05	811.61	24.87	809.79	21.56	813.10
RFW-20	842.29	142	29.83	812.46	30.26	812.03	29.80	812.49	28.75	813.54
RFW-21	832.65	102	18.82	813.83	19.48	813.17	19.24	813.41	18.03	814.62
PH-7	805.94	89	28.33	777.61	28.95	776.99	28.47	777.47	28.46	777.48
PH-9	814.94	98	49.87	765.07	50.23	764.71	49.68	765.26	48.52	766.42
PH-11	820.68	78	51.49	769.19	51.77	768.91	50.18	770.50	49.70	770.98
PH-12	828.35	87	48.73	779.62	49.80	778.55	49.43	778.92	47.84	780.51
B-3	803.02	83	NA	NC	NA	NC	NA	NC	NA	NC
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	1.20	803.76	2.09	802.87	1.21	803.75	0.79	804.17
Pembroke #1	NA	NA	8.74	NC	9.42	NC	9.02	NC	8.60	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	9.87	NC	9.76	NC	9.36	NC	9.23	NC
E. Century St.	NA	NA	19.17	NC	19.20	NC	19.21	NC	19.17	NC
Lwr. Beckleys. Rd.	NA	NA	50.46	NC	51.38	NC	50.17	NC	49.56	NC

NA - Not Available/Not Accessible
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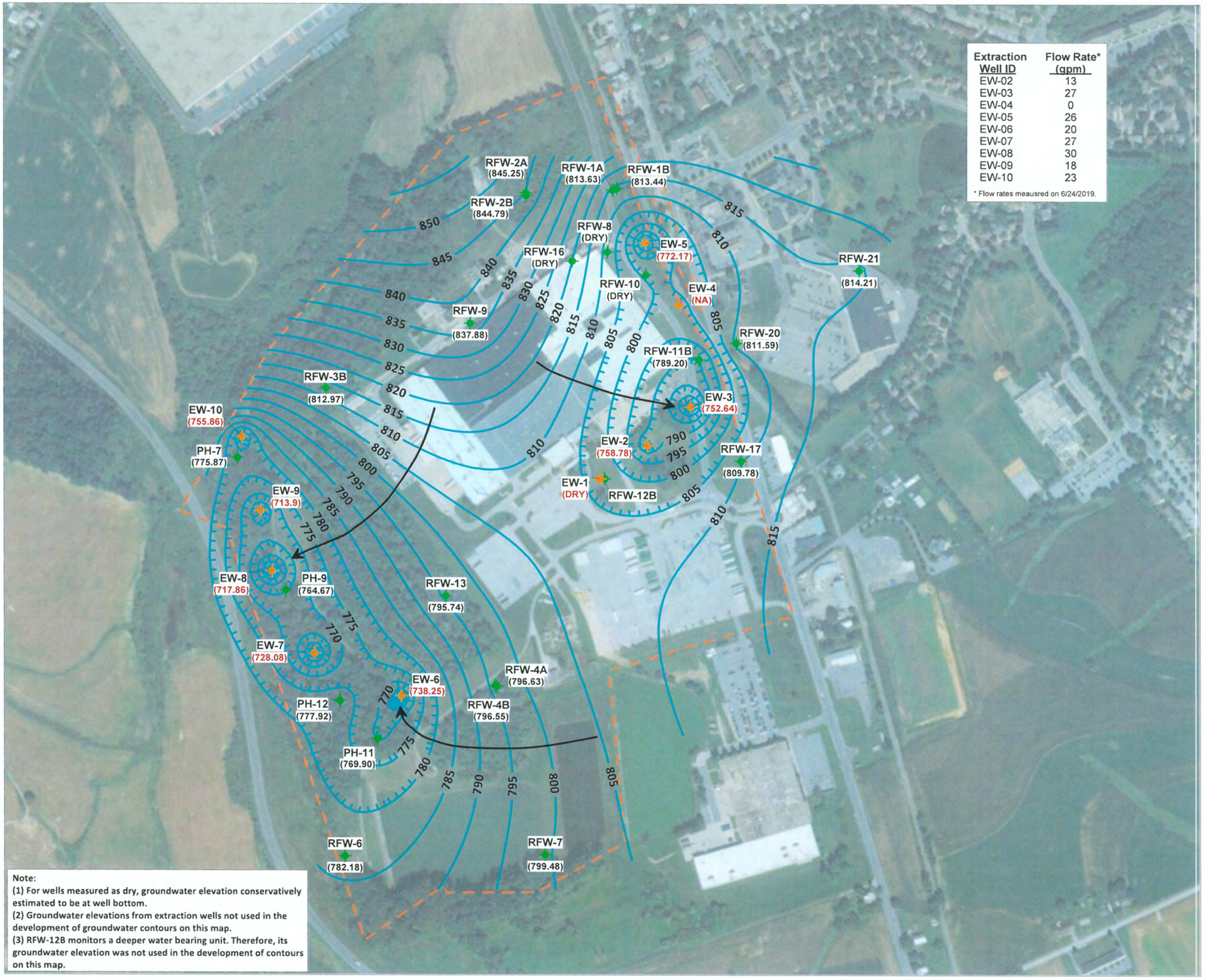
PC - Pump Cycles

Table 2-2
Groundwater Elevation Data (July 2018 through June 2019)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	3/15/2019		4/24/2019		5/19/2019		6/24/19	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	88.20	761.01	89.20	760.01	89.75	759.46	90.43	758.78
EW-3	846.64	118	90.10	756.54	91.27	755.37	93.75	752.89	94.00	752.64
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	90.45	773.72	90.85	773.32	91.25	772.92	92.00	772.17
EW-6	831.98	115	80.50	751.48	89.46	742.52	92.50	739.48	93.73	738.25
EW-7	818.38	78	89.80	728.58	88.90	729.48	89.10	729.28	90.30	728.08
EW-8	811.13	98	97.50	713.63	92.50	718.63	89.76	721.37	93.27	717.86
EW-9	811.35	141	100.50	710.85	100.25	711.10	98.40	712.95	97.45	713.90
EW-10	807.74	NA	54.38	753.36	52.73	755.01	49.15	758.59	51.88	755.86
RFW-1A	864.37	78	48.90	815.47	48.91	815.46	49.07	815.30	50.74	813.63
RFW-1B	864.23	200	48.86	815.37	48.88	815.35	49.06	815.17	50.79	813.44
RFW-2A	857.41	35	13.89	843.52	13.46	843.95	11.53	845.88	12.16	845.25
RFW-2B	857.73	75	14.56	843.17	13.87	843.86	12.16	845.57	12.94	844.79
RFW-3B	839.21	153	25.64	813.57	25.33	813.88	24.42	814.79	26.24	812.97
RFW-4A	830.37	62	24.52	805.85	29.79	800.58	32.82	797.55	33.74	796.63
RFW-4B	830.37	120	24.56	805.81	29.83	800.54	32.93	797.44	33.82	796.55
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	2.89	782.15	3.15	781.89	1.04	784.00	2.86	782.18
RFW-7	805.14	29	5.11	800.03	4.72	800.42	4.18	800.96	5.66	799.48
RFW-8	860.07	53	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	24.78	837.24	23.40	838.62	23.42	838.60	24.14	837.88
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	60.37	789.25	59.93	789.69	59.40	790.22	60.42	789.20
RFW-12B	844.87	264	46.73	798.14	47.15	797.72	45.51	799.36	49.71	795.16
RFW-13	849.11	150	53.24	795.87	53.07	796.04	52.61	796.50	53.37	795.74
RFW-14B	812.39	281	50.49	761.90	52.03	760.36	51.11	761.28	51.86	760.53
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	22.23	812.43	23.96	810.70	24.63	810.03	24.88	809.78
RFW-20	842.29	142	30.08	812.21	30.26	812.03	29.13	813.16	30.70	811.59
RFW-21	832.65	102	19.81	812.84	18.63	814.02	17.82	814.83	18.44	814.21
PH-7	805.94	89	29.06	776.88	28.95	776.99	29.50	776.44	30.07	775.87
PH-9	814.94	98	49.73	765.21	50.02	764.92	49.94	765.00	50.27	764.67
PH-11	820.68	78	50.68	770.00	50.47	770.21	50.39	770.29	50.78	769.90
PH-12	828.35	87	49.86	778.49	50.38	777.97	50.02	778.33	50.43	777.92
B-3	803.02	83	NA	NC	NA	NC	NA	NC	NA	NC
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	1.18	803.78	1.33	803.63	0.88	804.08	1.29	803.67
Pembroke #1	NA	NA	9.13	NC	9.88	NC	9.57	NC	10.03	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	9.42	NC	9.76	NC	10.11	NC	10.22	NC
E. Century St.	NA	NA	19.23	NC	19.20	NC	19.21	NC	19.23	NC
Lwr. Beckleys. Rd.	NA	NA	50.42	NC	50.63	NC	50.72	NC	51.43	NC

NA - Not Available/Not Accessible
NC - Not Calculable
PC - Pump Cycles



Extraction Well ID	Flow Rate* (gpm)
EW-02	13
EW-03	27
EW-04	0
EW-05	26
EW-06	20
EW-07	27
EW-08	30
EW-09	18
EW-10	23

* Flow rates meausred on 6/24/2019.

Note:
(1) For wells measured as dry, groundwater elevation conservatively estimated to be at well bottom.
(2) Groundwater elevations from extraction wells not used in the development of groundwater contours on this map.
(3) RFW-12B monitors a deeper water bearing unit. Therefore, its groundwater elevation was not used in the development of contours on this map.

WESTON SOLUTIONS

Legend

- Extraction Well Location (EW)
- Monitoring Well (RFW) / Piezometer Location (PH)
- Groundwater Elevation Contour (contour interval: 5 ft)
- (814.21) Monitoring Well/Piezometer Groundwater Elevation (ft MSL)
- (752.64) Extraction Well Groundwater Elevation (ft MSL)
- Groundwater Flow Direction
- Site Property Boundary

N
W E
S

0 200 400 600 800
Feet

Figure 2-1

Groundwater Elevation Contour Map June 2019

Former Black and Decker Facility Hampstead, Maryland

Table 2-3
Effluent Characteristics Summary (July 2018 through June 2019)
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter		Units	Permit Limits	DMR DATE					
					July 2018	August 2018	September 2018	October 2018	November 2018	December 2018
001	FLOW	average	MGD	NA	0.345	0.340	0.454	0.243	0.465	0.419
		maximum	MGD	NA	1.472	1.196	1.300	0.601	1.090	1.720
	1,1,1-Trichloroethane		ug/l	5	NS	NS	NS	NS	NS	NS
	Tetrachloroethylene		ug/l	5	NS	NS	NS	NS	NS	NS
	Trichloroethylene		ug/l	5	NS	NS	NS	NS	NS	NS
	Total Residual Chlorine		mg/l	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Oil & Grease	maximum	mg/l	15	< 5	< 5	< 5	< 2	< 2	< 2
		monthly average	mg/l	10	< 5	< 5	< 5	< 2	< 2	< 2
	pH	minimum	STD	6.0	8.2	7.7	7.3	7.3	7.6	7.1
		maximum	STD	8.5	8.4	8.3	8.0	7.9	8.0	7.8
	BOD		mg/l	15	4.0	3.0	2.0	7.4	3.0	3.0
	TSS	maximum	mg/l	30	12	8	9	9	< 5	< 5
		monthly average	mg/l	20	12	8	9	9	< 5	< 5
101 (Monitoring Point)	FLOW	average	MGD	NA	Monitoring Point #101 is no longer in use since the facility hooked up to the Town of Hampstead sanitary sewer in July 2018.					
		maximum	MGD	NA						
	Fecal Coliform		MPN/100ml	200						
201 (Monitoring Point)	FLOW	average	MGD	NA	NR	NR	0.213	NR	NR	0.258
		maximum	MGD	NA	NR	NR	0.289	NR	NR	0.331
	1,1,1-Trichloroethane		ug/l	NA	NR	NR	< 1	NR	NR	< 1
	Tetrachloroethylene		ug/l	NA	NR	NR	< 1	NR	NR	< 1
	Trichloroethylene		ug/l	NA	NR	NR	< 1	NR	NR	< 1

DMR - Discharge Monitoring Report
NA - Not Applicable
NR - Not Reported

Table 2-3
Effluent Characteristics Summary (July 2018 through June 2019)
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter		Units	Permit Limits	DMR DATE					
					January 2019	February 2019	March 2019	April 2019	May 2019	June 2019
001	FLOW	average	MGD	NA	0.399	0.378	0.347	0.266	0.364	0.228
		maximum	MGD	NA	1.099	1.290	1.530	0.737	0.883	0.605
	1,1,1-Trichloroethane		ug/l	5	NS	NS	NS	NS	NS	NS
	Tetrachloroethylene		ug/l	5	NS	NS	NS	NS	NS	NS
	Trichloroethylene		ug/l	5	NS	NS	NS	NS	NS	NS
	Total Residual Chlorine		mg/l	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Oil & Grease	maximum	mg/l	15	< 2	< 2	< 2	< 5	< 5	< 5
		monthly average	mg/l	10	< 2	< 2	< 2	< 5	< 5	< 5
	pH	minimum	STD	6.0	7.0	7.2	7.8	7.6	6.9	7.6
		maximum	STD	8.5	8.0	8.2	8.4	8.3	8.2	8.4
	BOD		mg/l	15	< 2	3.0	5.0	5.0	5.0	4.0
	TSS	maximum	mg/l	30	< 5	10	14	8.0	12.0	12.0
		monthly average	mg/l	20	< 5	10	14	8.0	12.0	12.0
101 (Monitoring Point)	FLOW	average	MGD	NA	Monitoring Point #101 is no longer in use since the facility hooked up to the Town of Hampstead sanitary sewer in July 2018.					
		maximum	MGD	NA						
	Fecal Coliform		MPN/100ml	200						
201 (Monitoring Point)	FLOW	average	MGD	NA	NR	NR	0.278	NR	NR	0.282
		maximum	MGD	NA	NR	NR	0.352	NR	NR	0.350
	1,1,1-Trichloroethane		ug/l	NA	NR	NR	< 1	NR	NR	< 1
	Tetrachloroethylene		ug/l	NA	NR	NR	< 1	NR	NR	< 1
	Trichloroethylene		ug/l	NA	NR	NR	< 1	NR	NR	< 1

DMR - Discharge Monitoring Report
NA - Not Applicable
NR - Not Reported

A summary of the analytical results of the groundwater samples collected from the monitor and extraction wells during the third and fourth quarters of 2018 and the first and second quarters of 2019 are included in Tables 2-4, 2-5, 2-6, and 2-7, respectively. As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the primary VOCs detected at the highest concentrations in the groundwater samples. The highest concentrations of TCE were detected in the groundwater samples collected from wells EW-2 and EW-4. The highest concentrations of PCE were detected in the groundwater samples collected from wells EW-9 and RFW-4B. The remainder of the detected VOCs, were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 2019 (May 2019) analytical data package is included in Appendix D. Analytical data packages for the remaining quarters are included in the respective Quarterly Groundwater Monitoring Reports.

Table 2-4
Summary of Groundwater Analytical Results - August 2018
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	NS	1 U	1 U	1 U	1 U
Bromomethane	ug/L	NS	2 U	2 U	2 U	2 U	2 U	NS	2 U	2 U	2 U	2 U
Vinyl Chloride	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U
Chloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	NS	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U
Acetone	ug/L	NS	4.3 J	4.6 J	4.4 J	3 J	5 U	NS	5.1	3 J	5 U	3.6 J
Carbon Disulfide	ug/L	NS	2 U	2 U	2 U	2 U	2 U	NS	2 U	2 U	2 U	2 U
1,1-Dichloroethene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	0.8 J	1 U	1 U	1 U
1,2-Dichloroethene (total)	ug/L	NS	2.2	1.8	1 U	1 U	1 U	NS	26	1 U	1 U	1 U
Chloroform	ug/L	NS	2 U	2 U	2 U	2 U	2 U	NS	2 U	2 U	2 U	2 U
1,2-Dichloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U
2-Butanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	NS	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	NS	1 U	1 U	1 U	1 U
Carbon Tetrachloride	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U
Bromodichloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U
1,2-Dichloropropane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	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	NS	1 U	1 U	1 U	1 U
Trichloroethene	ug/L	NS	130	22	2.3	63	5.3	NS	6.3	0.73	0.72	0.5 U
Dibromochloromethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	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	NS	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	NS	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	NS	1 U	1 U	1 U	1 U
Bromoform	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	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	NS	5 U	5 U	5 U	5 U
2-Hexanone	ug/L	NS	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U
Tetrachloroethene	ug/L	NS	47	0.9 J	1 U	2.1	6.6	NS	47	74	73	1.1
1,1,2,2-Tetrachloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	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	NS	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	NS	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	NS	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	NS	1 U	1 U	1 U	1 U
Xylene (total)	ug/L	NS	1 U	1 U	1 U	1 U	1 U	NS	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 2018
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	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
Vinyl Chloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Chloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Acetone	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
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 U	NS
1,2-Dichloroethene (total)	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	NS	1 U	1 U	NS	1.5	NS
Chloroform	ug/L	2 U	2 U	2 U	2 U	2 U	1.4 J	2 U	2 U	NS	2 U	2 U	NS	2 U	NS
1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
1,1,1-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25	25	35	NS	0.5 U	3	NS	0.5 U	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	0.56	0.28 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
4-Methyl-2-pentanone	ug/L	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	6.8	7.3	52	NS	1 U	1 U	NS	1 U	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	1.2	0.9	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	0.47 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Xylene (total)	ug/L	1.9	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 2018
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	2 U	2 U	2 U	NS	2 U	ABD	ABD	ABD	2 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	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	NS	5	3.3 J	6.2	NS	3.8 J	ABD	ABD	ABD	5 U	10 U	10 U	40	37	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	1.1	4.8	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	0.21 J	0.31 J	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	200	210	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	1.5	56	2.7	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	4.2	10	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	1.3	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

Table 2-5
Summary of Groundwater Analytical Results - November 2018
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	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 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	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	NS	5 U	3.9 J	5 U	5 U	2.7 J	5 U	2.5 J	5 U	2.8 J	5 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	0.8 J	1 U	1 U	1 U
1,2-Dichloroethene (total)	ug/L	NS	1.7	1.6	1 U	1 U	1 U	1.8	25	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	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 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	110	20	160	78	5.8	1.6	5.7	0.3 J	0.5	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	51	0.8 J	3.5	3.3	10	4.5	52	59	55	1.2
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 2-5
Summary of Groundwater Analytical Results - November 2018
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	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
Vinyl Chloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Chloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Acetone	ug/L	5 U	4.1 J	5 U	5 U	3.2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Carbon Disulfide	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NS	2 U	2 U	NS	2 U	NS
1,1-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	0.7 J	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 U	NS
1,2-Dichloroethene (total)	ug/L	1 U	1 U	1 U	1 U	1 J	0.7 J	1 U	2.9	NS	0.6 J	1 U	NS	26	NS
Chloroform	ug/L	2 U	2 U	2 U	2 U	2 U	0.6 J	0.6 J	1.2 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	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
1,2-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	25	25	48	NS	0.8	1.8	NS	3.8	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	0.2 J	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	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	14	14	68	NS	1 U	1 U	NS	4.6	NS
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Xylene (total)	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS

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

Table 2-5
Summary of Groundwater Analytical Results - November 2018
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	2 U	2 U	2 U	NS	2 U	ABD	ABD	ABD	2 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	NS	5 U	3.2 JB	5 U	NS	5 U	ABD	ABD	ABD	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	NS	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	2 U	2 U	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	1.9	2.6	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	0.2 J	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	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-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	0.9	74	1.9	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	5.6	8.3	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.86	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

Table 2-6
Summary of Groundwater Analytical Results - February 2019
Stanley Black & Decker
Hampstead, Maryland

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

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

Table 2-6
Summary of Groundwater Analytical Results - February 2019
Stanley Black & Decker
Hampstead, Maryland

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

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

Table 2-6
Summary of Groundwater Analytical Results - February 2019
Stanley Black & Decker
Hampstead, Maryland

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

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

NS = Not sampled

U = Compound was analyzed but not detected.

ABD = Well has been abandoned

Table 2-7
Summary of Groundwater Analytical Results -
May 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	5 U	1.8 J	2.1 J	1.8 J	1.7 J	1.9 J	1.8 J	5 U	1.9 J	2.1 J
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	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	ug/L	NS	1.7	1.6	1 U	1 U	1 U	1.6	16	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	97	16	160	91	3.2	1.1	3.5	0.5 U	0.5 U	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	42	1 U	1 U	3.5	9.3	3.1	35	91	91	3.9
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 2-7
Summary of Groundwater Analytical Results -
May 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	3.5 JB	3.6 JB	3.5 JB	3.6 JB	3.7 JB	2.9 J	2.8 J	3.1 J	NS	3.7 JB	3.5 JB	NS	3 J	NS
Acetone	ug/L	4.5 J	5 J	4.1 J	5.4 J	5.6 J	15	3.6 J	8.9 J	NS	5.8 J	4.7 J	NS	2.7 J	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	0.5 J	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	1.4	NS
1,2-Dichloroethene (total)	ug/L	1 U	1 U	1 U	1 U	1.1	1 J	0.9 J	3.5	NS	1 U	1 U	NS	34	NS
Chloroform	ug/L	0.5 J	0.4 J	2 U	2 U	2 U	0.7 J	0.6 J	1.4 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	0.5 J	NS
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	24	24	58	NS	0.4 J	0.7	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	17	17	82	NS	0.7 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	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS

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

Table 2-7
Summary of Groundwater Analytical Results -
May 2019
Stanley Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-11A	RFW-11B	RFW-12B	RFW-13	RFW-16	RFW-17	Leister Dairy	Leister Res. #1	Leister Res. #2	Trip Blank	RFW-20	RFW-21	Town #22	Town #23	Trip Blank
												USEPA drinking water method 524.2				
Chloromethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/L	NS	3 U	3 U	3 U	NS	3 U	ABD	ABD	ABD	3 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	NS	2.8 J	1.9 J	3.6 JB	NS	3 JB	ABD	ABD	ABD	2.6 JB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	NS	3.4 J	10 U	4.7 J	NS	4.1 J	ABD	ABD	ABD	4.1 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	2.3	5.5	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	0.8
1,2-Dichloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	ug/L	NS	5 U	5 U	5 U	NS	5 U	ABD	ABD	ABD	5 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/L	NS	1 U	1 U	1 U	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/L	NS	0.7	84	1.8	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	6.2	7	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.99	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

3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities that were performed on the extraction and treatment system during the reporting period (July 2018 through June 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 (July 2018 through June 2019)
Black Decker
Hampstead, Maryland

Date	Event/Corrective Action
Jul-18	Alarm at the stripper, EW-7 went down since the pump and motor had burned up.
Sep-18	The pump and motor at EW-7 were replaced and the pump is back online.
Nov-18	Alarm at the stripper, EW-6 went down. The heating elements in EW-6 are not working, the heating elements were replaced and the well is back online.
Dec-18	Replace 650 feet of subsurface control wiring on the Eastern extraction well leg so that EW-5 can now be run in Automatic Mode instead of Hand Mode. Install a new 650 foot section of subsurface power supply conduit and wiring on the Eastern extraction well leg between the Air Stripper Building and EW-5.
Dec-18	Alarm at the stripper, EW-7 went down. The heating elements in EW-7 were not working, the heating elements were replaced and EW-7 is back online.
Dec-18	During routine maintenance activities, the heating elements in wells EW-3 and EW-8 were replaced .
Dec-18	The level transducer went bad in the wet well was not working. A new level transducer was installed.
Apr-19	Alarm at the stripper, high water column. Reset, the system is back online.
Apr-19	Power outage, Reset the system, the system is back online.
Apr-19	Alarm at EW-6, replaced the relay and timer, the well is back online.
Jun-19	Power outage, Reset the system, the system is back online.

4. TREATMENT SYSTEM PERFORMANCE EVALUATION

During the reporting period of July 2018 to June 2019, depth-to-water measurements were collected in all site monitor wells on a monthly basis. A groundwater elevation contour map was constructed each month to verify that the groundwater extraction system was providing a hydraulic barrier to prevent any groundwater contamination from migrating off-site. Pumping rates were adjusted as necessary to ensure that hydraulic control was being maintained across the site. Significant drawdown has been observed in both shallow and deeper monitor wells throughout the long-term pumping of the extraction well system, indicating that considerable interconnection exists between the shallow and deeper groundwater.

The groundwater elevation data collected in June 2019 were contoured using KT3D (Tonkin and Larson, 2002), a software program designed to contour groundwater elevation data while taking into account one or more pumping centers. As discussed in *A Systematic Approach for Evaluation of Capture Zones at Pump and Treat System* (USEPA, 2009), KT3D uses a linear-log kriging method that accounts for more tightly spaced groundwater elevation contours around pumping centers. Traditional computer-contouring packages utilize linear kriging methods that can overestimate predicted capture zones around pumping centers.

As shown in Figure 2-1, the groundwater elevation contour map generated by KT3D using groundwater elevation and pumping rate data for June 2019 shows a large depression in the groundwater surface in the vicinity of the pumping well networks at the site. The groundwater path lines show that the direction of groundwater flow is toward the extraction wells and the pumping well network is establishing an effective hydraulic barrier along the site property boundaries. The predicted groundwater capture zones for the pumping wells extend across the site property.

The system as presently configured is successful in meeting the objective of capturing on-site groundwater, thereby reducing the potential off-site migration of contaminated groundwater. The system is also successful in treating the collected groundwater to remove the VOCs from the water. The laboratory analytical results of the treated discharge water indicate that no VOCs are present.

5. RECOMMENDATIONS

As discussed in Section 4, the treatment system has created a hydraulic boundary that prevents the 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
WITHDRAWAL REPORTS

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: April
Year: 2019

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

	Final Effluent outfall 001																Outfall 101						Outfall 201				
Date	Appearance	Discharge MGD	pH su	Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethan ug/l	Trichloroethene ug/l	BOD_5 mg/l	TSS mg/l	TKN mg/l	N+N mg/l	TP mg/l	TN mg/l	O&G mg/l	eColi mpn	Flow MGD	eColi mpn	Basin Inches	Alum Gpd	Hypochlorite Gpd	Post Cl2 mg/l	Tetrachloroethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	0.21200	7.72	0.00												0.000000		0"	0.0	0.0	0.0				0.296547	G. Scheller
2	Clear	0.15900	8.19	0.00				4.50	8.00			<0.1		<1.9		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.234789	G. Scheller
3	Clear	0.24500														0.000000		0"	0.0	0.0	0.0				0.332632	G. Scheller
4	Clear	0.19100														0.000000		0"	0.0	0.0	0.0				0.288681	G. Scheller
5	Clear	0.18700														0.000000		0"	0.0	0.0	0.0				0.268488	A.Bradley
6	Clear	0.25300														0.000000		0"	0.0	0.0	0.0				0.313718	C. Dallas
7	Clear	0.19600														0.000000		0"	0.0	0.0	0.0				0.277902	G. Scheller
8	Clear	0.21500	8.33	0.00												0.000000		0"	0.0	0.0	0.0				0.280582	G. Scheller
9	Clear	0.22000	8.21	0.00												0.000000		0"	0.0	0.0	0.0				0.298186	G. Scheller
10	Clear	0.17800														0.000000		0"	0.0	0.0	0.0				0.278087	G. Scheller
11	Clear	0.18600														0.000000		0"	0.0	0.0	0.0				0.284595	A.Bradley
12	Clear	0.16100														0.000000		0"	0.0	0.0	0.0				0.293144	G. Scheller
13	Clear	0.73700														0.000000		0"	0.0	0.0	0.0				0.231612	D.Jones
14	Clear	0.55600														0.000000		0"	0.0	0.0	0.0				0.350000	D.Jones
15	Clear	0.34800	7.97	0.00												0.000000		0"	0.0	0.0	0.0				0.268879	G. Scheller
16	Clear	0.20600	7.80	0.00												0.000000		0"	0.0	0.0	0.0				0.280395	G. Scheller
17	Clear	0.23300														0.000000		0"	0.0	0.0	0.0				0.293456	G. Scheller
18	Clear	0.20500														0.000000		0"	0.0	0.0	0.0				0.299566	M Whitt
19	Clear	0.22900														0.000000		0"	0.0	0.0	0.0				0.287493	C. Dallas
20	Clear	0.60700														0.000000		0"	0.0	0.0	0.0				0.281693	G. Scheller
21	Clear	0.26600														0.000000		0"	0.0	0.0	0.0				0.286182	G. Scheller
22	Clear	0.20200	7.77	0.00												0.000000		0"	0.0	0.0	0.0				0.258514	G. Scheller
23	Clear	0.22200	8.03	0.00												0.000000		0"	0.0	0.0	0.0				0.316893	C. Dallas
24	Clear	0.21500														0.000000		0"	0.0	0.0	0.0				0.283619	G. Scheller
25	Clear	0.18700														0.000000		0"	0.0	0.0	0.0				0.284009	G. Scheller
26	Clear	0.30800														0.000000		0"	0.0	0.0	0.0				0.282869	G. Scheller
27	Clear	0.51200														0.000000		0"	0.0	0.0	0.0				0.286484	A.Bradley
28	Clear	0.17700														0.000000		0"	0.0	0.0	0.0				0.273033	A.Bradley
29	Clear	0.18500	7.62	0.00												0.000000		0"	0.0	0.0	0.0				0.271982	G. Scheller
30	Clear	0.17600	7.68	0.00												0.000000		0"	0.0	0.0	0.0				0.274731	G. Scheller
31																										
Total		7.97400														0.000000									8.558761	
Average		0.26580		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	5	8	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.285292	
Minimum		0.15900	7.6	0.00	0	0	0	5	8	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.231612	MOR
Maximum		0.73700	8.3	<0.10	0	0	0	5	8	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.350000	5/21/2019

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Facility: BTR Capital Group (MD0001881)

Address: 627 Hanover Pike, Hampstead Maryland

Superintendent: David Coale Certification # 1662

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

Month: May

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	0.21400														0.000000		0"	0.0	0.0	0.0				0.289555	G. Scheller
2	Clear	0.18200														0.000000		0"	0.0	0.0	0.0				0.277264	G. Scheller
3	Clear	0.19500														0.000000		0'	0.0	0.0	0.0				0.279317	G. Scheller
4	Clear	0.50800														0.000000		0"	0.0	0.0	0.0				0.303762	M Whitt
5	Clear	0.64300														0.000000		0"	0.0	0.0	0.0				0.269990	M Whitt
6	Clear	0.88300	7.67	0.00												0.000000		0"	0.0	0.0	0.0				0.284484	G. Scheller
7	Clear	0.31300	7.79	0.00												0.000000		0"	0.0	0.0	0.0				0.296631	G. Scheller
8	Clear	0.23100														0.000000		0"	0.0	0.0	0.0				0.278183	G. Scheller
9	Clear	0.20600														0.000000		0"	0.0	0.0	0.0				0.290151	G. Scheller
10	Clear	0.20100														0.000000		0"	0.0	0.0	0.0				0.281030	G. Scheller
11	Clear	0.58400														0.000000		0"	0.0	0.0	0.0				0.301466	D.Jones
12	Clear	0.59500														0.000000		0"	0.0	0.0	0.0				0.257565	D.Jones
13	Clear	0.86600	7.58	0.00												0.000000		0"	0.0	0.0	0.0				0.276687	G. Scheller
14	Clear	0.84800	7.44	0.00												0.000000		0"	0.0	0.0	0.0				0.282900	G. Scheller
15	Clear	0.30600														0.000000		0"	0.0	0.0	0.0				0.279193	G. Scheller
16	Clear	0.19500														0.000000		0"	0.0	0.0	0.0				0.228339	A.Bradley
17	Clear	0.28700														0.000000		0"	0.0	0.0	0.0				0.345115	J. Fierro
18	Clear	0.26300														0.000000		0"	0.0	0.0	0.0				0.274590	J. Fierro
19	Clear	0.20700														0.000000		0"	0.0	0.0	0.0				0.287529	J. Fierro
20	Clear	0.18800	7.26	0.00												0.000000		0"	0.0	0.0	0.0				0.279719	G. Scheller
21	Clear	0.18300	8.22	0.00				4.80	####			<0.1		<2.1		0.000000		0"	0.0	0.0	0.0	<0.5	<0.5	<0.5	0.292120	G. Scheller
22	Clear	0.15700														0.000000		0"	0.0	0.0	0.0				0.282849	G. Scheller
23	Clear	0.18700														0.000000		0"	0.0	0.0	0.0				0.284868	G. Scheller
24	Clear	0.27200														0.000000		0"	0.0	0.0	0.0				0.228154	G. Scheller
25	Clear	0.22200														0.000000		0"	0.0	0.0	0.0				0.343438	J. Fierro
26	Clear	0.19100														0.000000		0"	0.0	0.0	0.0				0.275689	J. Fierro
27	Clear	0.64000	6.94	0.00												0.000000		0.0	0.0	0.0	0.0				0.276588	M.Whitt
28	Clear	0.23900	7.64	0.00												0.000000		0.0	0.0	0.0	0.0				0.219043	A.Bradley
29	Clear	0.39100														0.000000		0.0	0.0	0.0	0.0				0.348727	M Whitt
30	Clear	0.15800														0.000000		0.0	0.0	0.0	0.0				0.220288	A.Bradley
31	Clear	0.72300														0.000000		0.0	0.0	0.0	0.0				0.326890	A.Bradley
Total		11.27800														0.000000									8.762124	
Average		0.36381		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	5	12	####	####	0	####	0	####	0.000000	#NUM!	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.282649	
Minimum		0.15700	6.9	0.00	0	0	0	5	12	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.219043	MOR
Maximum		0.88300	8.2	<0.10	0	0	0	5	12	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.348727	6/20/2019

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259 Najoles Road, Millersville MD

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

Superintendent: David Coale Certification # 1662

Month: June
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-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	Tetrachloromethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	0.24200														0.000000		0"	0.0	0.0	0.0				0.307533	C.Dallas
2	Clear	0.19400														0.000000		0"	0.0	0.0	0.0				0.270134	C.Dallas
3	Clear	0.17800	7.87	0.00												0.000000		0"	0.0	0.0	0.0				0.271244	J. Fierro
4	Clear	0.14100	8.32	0.00				4.40	12.00			<0.1		<2.1		0.000000		0"	0.0	0.0	0.0	<1	<1	<1	0.270418	G. Scheller
5	Clear	0.17900														0.000000		0"	0.0	0.0	0.0				0.299754	G. Scheller
6	Clear	0.19000														0.000000		0"	0.0	0.0	0.0				0.281958	G. Scheller
7	Clear	0.19000														0.000000		0"	0.0	0.0	0.0				0.292597	C.Dallas
8	Clear	0.11500														0.000000		0"	0.0	0.0	0.0				0.220816	D.Jones
9	Clear	0.27100														0.000000		0"	0.0	0.0	0.0				0.335830	D.Jones
10	Clear	0.16300	7.72	0.00												0.000000		0"	0.0	0.0	0.0				0.280456	G. Scheller
11	Clear	0.12700	7.78	0.00												0.000000		0"	0.0	0.0	0.0				0.225453	G. Scheller
12	Clear	0.18800														0.000000		0"	0.0	0.0	0.0				0.330588	G. Scheller
13	Clear	0.40300														0.000000		0"	0.0	0.0	0.0				0.278111	M Whitt
14	Clear	0.60500														0.000000		0"	0.0	0.0	0.0				0.276539	M Whitt
15	Clear	0.17700														0.000000		0"	0.0	0.0	0.0				0.281389	G. Scheller
16	Clear	0.18000														0.000000		0"	0.0	0.0	0.0				0.269058	G. Scheller
17	Clear	0.27400	7.58	0.00												0.000000		0"	0.0	0.0	0.0				0.290707	J. Fierro
18	Clear	0.18500	8.24	0.00												0.000000		0"	0.0	0.0	0.0				0.270798	G. Scheller
19	Clear	0.29900														0.000000		0"	0.0	0.0	0.0				0.286164	G. Scheller
20	Clear	0.34500														0.000000		0"	0.0	0.0	0.0				0.268602	G. Scheller
21	Clear	0.17200														0.000000		0"	0.0	0.0	0.0				0.287208	G. Scheller
22	Clear	0.12700														0.000000		0"	0.0	0.0	0.0				0.282271	J. Fierro
23	Clear	0.15700														0.000000		0"	0.0	0.0	0.0				0.274879	J. Fierro
24	Clear	0.16700	8.36	0.00												0.000000		0"	0.0	0.0	0.0				0.277769	G. Scheller
25	Clear	0.33000	7.98	0.00												0.000000		0"	0.0	0.0	0.0				0.267150	G. Scheller
26	Clear	0.17700														0.000000		0"	0.0	0.0	0.0				0.280580	G. Scheller
27	Clear	0.18800														0.000000		0"	0.0	0.0	0.0				0.274487	G. Scheller
28	Clear	0.18800														0.000000		0"	0.0	0.0	0.0				0.270790	G. Scheller
29	Clear	0.16800														0.000000		0"	0.0	0.0	0.0				0.250233	C.Dallas
30	Clear	0.50800														0.000000		0"	0.0	0.0	0.0				0.303257	C.Dallas
31																										
Total		6.82800														0.000000									8.376773	
Average		0.22760		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	4	12	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.279226	
Minimum		0.11500	7.6	0.00	0	0	0	4	12	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.220816	MOR
Maximum		0.60500	8.4	<0.10	0	0	0	4	12	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.335830	7/12/2019

APPENDIX B
DISCHARGE MONITORING REPORTS

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 04/01/19 to 04/30/19	DMR Due Date:	07/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season	# Param.	NODI	Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample										=	5	19 - mg/L		01/30 - Monthly	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	–	Permit Req.										<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample						=	7.6			=	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								=	8	=	8	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	=	0.2658	=	0.737	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
19BlackandDeckerWWTP04.pdf	pdf	957230

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-05-21 15:23 (Time Zone: -04:00)

Report Last Signed By

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

Date/Time: 2019-05-28 06:28 (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-A5** PROPOSED		

Report Dates & Status

Monitoring Period:	**From 04/01/19 to 04/30/19**	DMR Due Date:	**05/28/19**	Status:	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Title:	Telephone:
Last Name:		

No Data Indicator (NODI)

Form NODI: --

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP04.pdf	pdf	957230

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-05-21 15:25 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-05-28 06:28 (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 04/01/19 to 04/30/19**	DMR Due Date:	**07/28/19**	Status:	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
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	07 - gal/d									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 - 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
19BlackandDeckerWWTP04.pdf	pdf	957230

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-05-21 15:24 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-05-28 06:28 (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 04/01/19 to 04/30/19	DMR Due Date:	07/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season	#	Param.	NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Sample								>=	5 INST MIN C - No Discharge					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Permit Req.																	
					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								>=	6.5 MINIMUM C - No Discharge			<=	8.5 MAXIMUM C - No Discharge	12 - SU		02/01 - Twice Per Day	CA - CALCTD
					Permit Req.																	
					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	1	–	Sample																	
					Permit Req.	<=	21 MX DA AV C - No Discharge				26 - lb/d			<=	4.1 MX DA AV C - No Discharge			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI																	
00610	Nitrogen, ammonia total [as N]	EG - Effluent Gross	0	–	Sample																	
					Permit Req.	<=	9 MX MO AV C - No Discharge				26 - lb/d			<=	1.8 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																	

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
19BlackandDeckerWWTP04.pdf	pdf	957230

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-05-21 15:25 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-05-28 06:28 (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 05/01/19 to 05/31/19**	DMR Due Date:	**07/28/19**	Status:	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample										=	5	19 - mg/L		01/30 - Monthly	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Permit Req.										<=	15 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample						=	6.9			=	8.2	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								=	12	=	12	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	=	0.3638	=	0.883	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
19BlackandDeckerWWTP05.pdf	pdf	1318541

Report Last Saved By

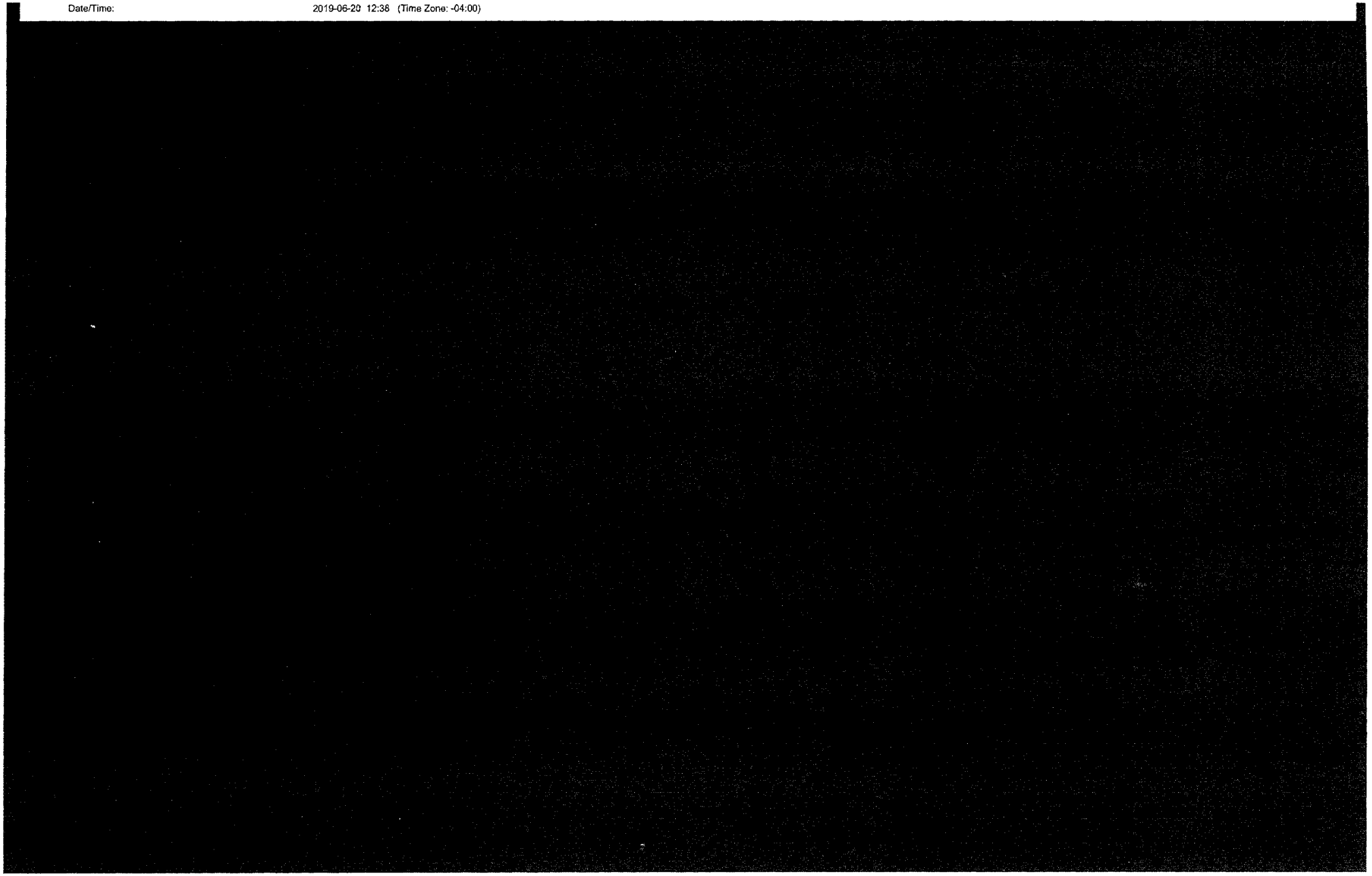
BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-06-20 12:13 (Time Zone: -04:00)

Report Last Signed By

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

Date/Time: 2019-06-20 12:38 (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-A5** PROPOSED		

Report Dates & Status

Monitoring Period:	**From 05/01/19 to 05/31/19**	**DMR Due Date:**	**06/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
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 C - No Discharge	15 - deg F		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 C - No Discharge	03 - MGD									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
19BlackandDeckerWWTP05.pdf	pdf	1318541

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-06-20 12:14 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-06-20 12:38 (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 05/01/19 to 05/31/19**	**DMR Due Date:**	**07/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
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
19BlackandDeckerWWTP05.pdf	pdf	1318541

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-06-20 12:14 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-06-20 12:38 (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 05/01/19 to 05/31/19**	**DMR Due Date:**	**07/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						>=	5 INST MIN					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Permit Req.							C - No Discharge								
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								<=	45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Permit Req.	<=	225 MX WK AV			26 - lb/d				C - No Discharge						
					Value NODI		C - No Discharge													
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	--	Sample								<=	30 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Permit Req.	<=	150 MX MO AV			26 - lb/d				C - No Discharge						
					Value NODI		C - No Discharge													
00400	pH	1 - Effluent Gross	0	--	Sample						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/01 - Twice Per Day	CA - CALCTD
					Permit Req.							C - No Discharge				C - No Discharge				
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								<=	23 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Permit Req.	<=	113 MX WK AV			26 - lb/d				C - No Discharge						
					Value NODI		C - No Discharge													
00530	Solids, total suspended	1 - Effluent Gross	1	--	Sample														01/30 - Monthly	CA - CALCTD
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo										
					Value NODI				C - No Discharge											
00530	Solids, total suspended	1 - Effluent Gross	2	--	Sample														01/30 - Monthly	CA - CALCTD
					Permit Req.			<=	27397 CUM TOTL	50 - lb/yr										
					Value NODI				C - No Discharge											
00530	Solids, total suspended	EG - Effluent Gross	0	--	Sample								<=	15 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Permit Req.	<=	75 MX MO AV			26 - lb/d				C - No Discharge						
					Value NODI		C - No Discharge													
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Permit Req.									C - No Discharge						
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	--	Sample														01/30 - Monthly	CA - CALCTD
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo										
					Value NODI				C - No Discharge											
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	--	Sample														01/30 - Monthly	CA - CALCTD
					Permit Req.				Req Mon CUM TOTL	50 - lb/yr										
					Value NODI				C - No Discharge											
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Permit Req.									C - No Discharge						
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								<=	4.4 MX DA AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Permit Req.	<=	22 MX DA AV			26 - lb/d				C - No Discharge						
					Value NODI		C - No Discharge													
00610	Nitrogen, ammonia total [as N]	EA - Effluent Adjusted Value	0	--	Sample								<=	1.3 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Permit Req.	<=	6.5 MX MO AV			26 - lb/d				C - No Discharge						
					Value NODI		C - No Discharge													
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Permit Req.									C - No Discharge						
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								<=	.45 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Permit Req.	<=	2.3 MX WK AV			26 - lb/d				C - No Discharge						
					Value NODI		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
19BlackandDeckerWWTP05.pdf	pdf	1318541

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-06-20 12:14 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-06-20 12:38 (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 06/01/19 to 06/30/19	DMR Due Date:	07/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season	#	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
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 - 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
19BlackandDeckerWWTP06.pdf	pdf	1968144

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-07-12 11:15 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-07-15 07:05 (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:	201 External Outfall	**Discharge:**	**201-A3** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 04/01/19 to 06/30/19**	**DMR Due Date:**	**07/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample						=	0	=	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	=	0.2824	=	0.35	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
19BlackandDeckerWWTP06.pdf	pdf	1968144

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-07-12 11:18 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-07-15 07:05 (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-A5 PROPOSED		

Report Dates & Status

Monitoring Period:	**From 06/01/19 to 06/30/19**	DMR Due Date:	**07/28/19**	Status:	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:		Title:	Telephone:
Last Name:			

No Data Indicator (NODI)

Form NODI: --

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
19BlackandDeckerWWTP06.pdf	pdf	1968144

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-07-12 11:15 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-07-15 07:05 (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 06/01/19 to 06/30/19**	**DMR Due Date:**	**07/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
				Sample																
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Permit Req.						>=	5 INST MIN					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge								
				Sample																
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	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						
				Sample																
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	--	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						
				Sample																
00400	pH	1 - Effluent Gross	0	--	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				
				Sample																
00530	Solids, total suspended	1 - Effluent Gross	0	--	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						
				Sample																
00530	Solids, total suspended	1 - Effluent Gross	1	--	Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
				Sample																
00530	Solids, total suspended	1 - Effluent Gross	2	--	Permit Req.			<=	27397 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
				Sample																
00530	Solids, total suspended	EG - Effluent Gross	0	--	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						
				Sample																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
				Sample																
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	--	Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
				Sample																
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	--	Permit Req.				Req Mon CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
				Sample																
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	--	Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
				Sample																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	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						
				Sample																
00610	Nitrogen, ammonia total [as N]	EA - Effluent Adjusted Value	0	--	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						
				Sample																
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
				Sample																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	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
19BlackandDeckerWWTP06.pdf	pdf	1968144

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-07-12 11:16 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2019-07-15 07:05 (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 06/01/19 to 06/30/19**	**DMR Due Date:**	**07/28/19**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season	#	Param.	NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
							Sample										=	4	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						=	7.6			=	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								=	12	=	12	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	=	0.2276	=	0.605	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
19BlackandDeckerWWTP06.pdf	pdf	1968144

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2019-07-12 11:14 (Time Zone: -04:00)

Report Last Signed By

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

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS

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

April 15, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3025696**
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, April 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: Maryland Environmental Services-WWW Data , Ms. Megan Humphrey , Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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

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

SAMPLE SUMMARY

Workorder: 3025696 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3025696001	BTR 001	Waste Water	4/2/2019 09:08	4/2/2019 21:10	Collected by Client

ALS Environmental

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

SAMPLE SUMMARY

Workorder: 3025696 BTR HAMPSTEAD WWTP

Notes

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

Standard Acronyms/Flags

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

ALS Environmental

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

ANALYTICAL RESULTS

Workorder: 3025696 BTR HAMPSTEAD WWTP

Lab ID: **3025696001** Date Collected: 4/2/2019 09:08 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 4/2/2019 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	4.5		mg/L	2.0	S5210B-11			4/3/19 14:57	MXO	A
Oil/Grease Hexane Extractable	ND		mg/L	1.9	EPA 1664B			4/9/19 10:30	ELS	C
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	4/10/19 09:00	JXB	4/12/19 11:54	JXB	D
Total Suspended Solids	8		mg/L	5	S2540D-11			4/8/19 12:15	D1C	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3025696 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3025696001	BTR 001	EPA 1664B	
3025696001	BTR 001	EPA 365.1	EPA 365.1
3025696001	BTR 001	S2540D-11	
3025696001	BTR 001	S5210B-11	

CHAIN OF CUSTODY / ... MATION FORM

5696

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

3025696

Lab #: ALS	Client Code	...rrett 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	4/2/19	0908	BOD
BTR2	↓	Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	4/2/19	0908	TP
BTR3	↓	Monthly Grab	1 Liter Glass H2S04	WW	1	4/2/19	0908	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	4/2/19	0908	TSS

Transferred by: [signature]	Received by: [signature]	Date 4/2/19	Time 1223
Transferred by: [signature]	Received by: [signature] (ALS)	Date 4/2/19	Time 1653
Transferred by: [signature] 4/2	Received by: COMMON COURIER / ALS COURIER	Date	Time

Cooler Receipt Information (LAB USE ONLY)

Sufficient ice? - Yes/No If No, temp.= 0° TH352

Sample containers pres'd? - Yes/No If No, explain

Custody Seal present/intact? - Yes/No

Initials: Date:

[signature] ARJ 4/2/19 2110

COMMON COURIER / ALS COURIER

210

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

Condition of Sample Receipt Form

Client: MES | Work Order #: 3027096 | Initials: CD | Date: 4/3/19

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): OK _____

Thermometer ID: TH352

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

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

April 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:	**3025746**
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, April 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: 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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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

June 5, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3035262**
Purchase Order:	**W/WW**	Workorder ID:	**BTR WWTP (Monthly)**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, May 21, 2019.

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

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

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

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

CC: 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

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

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

SAMPLE SUMMARY

Workorder: 3035262 BTR WWTP (Monthly)

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3035262001	BTR 001	Waste Water	5/21/2019 09:09	5/21/2019 22:30	Collected by Client
3035262002	BTR 002	Waste Water	5/21/2019 09:13	5/21/2019 22:30	Collected by Client

ALS Environmental

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

SAMPLE SUMMARY

Workorder: 3035262 BTR WWTP (Monthly)

Notes

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

Standard Acronyms/Flags

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

ALS Environmental

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

ANALYTICAL RESULTS

Workorder: 3035262 BTR WWTP (Monthly)

Lab ID: **3035262001** Date Collected: 5/21/2019 09:09 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 5/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	5/24/19 07:30	JXB	6/3/19 19:40	RXB	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

ANALYTICAL RESULTS

Workorder: 3035262 BTR WWTP (Monthly)

Lab ID: **3035262002** Date Collected: 5/21/2019 09:13 Matrix: Waste Water

Sample ID: **BTR 002** Date Received: 5/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Biochemical Oxygen Demand	4.8	1	mg/L	2.0	S5210B-11			5/23/19 01:00	DXC	B
Oil/Grease Hexane Extractable	ND		mg/L	2.1	EPA 1664B			5/28/19 11:00	ELS	A
Total Suspended Solids	12		mg/L	5	S2540D-11			5/23/19 13:44	D1C	C

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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

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

ANALYTICAL RESULTS

Workorder: 3035262 BTR WWTP (Monthly)

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3035262002	1	BTR 002	S5210B-11	Biochemical Oxygen Demand

The dilution water blank associated with this analyte had a dissolved oxygen depletion of 0.3 mg/l. Criteria states that the depletion should be at a maximum 0.2 mg/l.

ALS Environmental

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3035262 BTR WWTP (Monthly)

Lab ID	Sample ID	Analysis Method	Prep Method
3035262001	BTR 001	EPA 365.1	EPA 365.1
3035262002	BTR 002	EPA 1664B	
3035262002	BTR 002	S2540D-11	
3035262002	BTR 002	S5210B-11	

CHAIN OF CUSTODY / SAMPLE INFORMATION FOR

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

3035262

Lab # ALS Client Code: Sampler Brie Musselman

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	5-21-19	0913	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	5-21-19	0909	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	5-21-19	0913	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	5-21-19	0913	TSS

Transferred by:	Received by:	Date 5/21/19	Time 1125
Transferred by:	Received by:	Date 5/21/19	Time 1509
Transferred by:	Received by: COMMON COURIER / ALS COURIER	Date 5/21/19	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: 0 °C 401

COMMON COURIER / ALS COURIER 5/21/19 2230

ALS

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

Condition of Sample Receipt Form

Client: MES | Work Order #: 3035262 | Initials: lw | Date: 5-22-19

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

Cooler #: 1

Temperature (°C): 6

Thermometer ID: 49

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):
lw. lw 5-22-19

Rev. 4/29/2019

ALS Environmental

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

May 24, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3035261**
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, May 21, 2019.

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

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

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

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

CC: 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: 3035261 BTR WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3035261001	BTR 201	Waste Water	5/21/2019 08:58	5/21/2019 22:30	Collected by Client

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SAMPLE SUMMARY

Workorder: 3035261 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.
-- 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: 3035261 BTR WWTP

Lab ID: **3035261001** Date Collected: 5/21/2019 08:58 Matrix: Waste Water

Sample ID: **BTR 201** Date Received: 5/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			5/23/19 18:26	TMP	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			5/23/19 18:26	TMP	A
Benzene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Bromoform	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			5/23/19 18:26	TMP	A
Chloroform	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			5/23/19 18:26	TMP	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Toluene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			5/23/19 18:26	TMP	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	88.7		%	72 - 142	EPA 624.1			5/23/19 18:26	TMP	A

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

ANALYTICAL RESULTS

Workorder: 3035261 BTR WWTP

Lab ID: **3035261001** Date Collected: 5/21/2019 08:58 Matrix: Waste Water

Sample ID: **BTR 201** Date Received: 5/21/2019 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	107		%	73 - 119	EPA 624.1			5/23/19 18:26	TMP	A
Dibromofluoromethane (S)	97		%	74 - 132	EPA 624.1			5/23/19 18:26	TMP	A
Toluene-d8 (S)	87.4		%	75 - 133	EPA 624.1			5/23/19 18:26	TMP	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ANALYTICAL RESULTS

Workorder: 3035261 BTR WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3035261001	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: 3035261 BTR WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3035261001	BTR 201	EPA 624.1	

CHAIN OF CUSTODY / SAMPLE INFORMATION FOR

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

30352617

Lab # ALS Client Code

Sampler Brian Musselman

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	5-21-19	0858	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
[redacted]	[redacted]	Quarterly Grab	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	Quarterly Grab	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Transferred by: BM	Received by:	Date 5-21-19	Time 1120	Cooler Receipt Information (LAB USE ONLY)
Transferred by:	Received by: ALS	Date 5/21/19	Time 1309	Sufficient ice? - Yes/No If No, temp.= _____
Transferred by: ALS	Received by: COMMON COURIER / ALS COURIER	Date 5/21/19	Time	Sample containers pres'd? - Yes/No If No, explain
				Custody Seal present/intact? - Yes/No
				Initial's: Date: D-C 9/81

COMMON COURIER / ALS COURIER 5/21/19 2230

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	30352161	LW	5229

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 #:	1							
Temperature (°C):	6							
Thermometer ID:	409							
Radiological (µCi):								

COMMENTS (Required for all NO responses above and any sample non-conformance):
LW. LW52279

Rev. 4/29/2019

ALS Environmental

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April 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:	**3025746**
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, April 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: 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: 3025746 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3025746001	BTR 201	Water	4/2/2019 09:00	4/2/2019 21:10	Collected by Client
3025746002	BTR 201	Water	4/2/2019 09:00	4/2/2019 21:10	Collected by Client

(ALS) Environmental

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SAMPLE SUMMARY

Workorder: 3025746 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.
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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.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

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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: 3025746 BTR HAMPSTEAD WWTP

Lab ID: **3025746001** Date Collected: 4/2/2019 09:00 Matrix: Water

Sample ID: **BTR 201** Date Received: 4/2/2019 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Chloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			4/5/19 03:22	PDK	A
Chloroform	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			4/5/19 03:22	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			4/5/19 03:22	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	84.7		%	72 - 142	EPA 624.1			4/5/19 03:22	PDK	A
4-Bromofluorobenzene (S)	106		%	73 - 119	EPA 624.1			4/5/19 03:22	PDK	A
Dibromofluoromethane (S)	92.2		%	74 - 132	EPA 624.1			4/5/19 03:22	PDK	A

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

ANALYTICAL RESULTS

Workorder: 3025746 BTR HAMPSTEAD WWTP

Lab ID: **3025746001** Date Collected: 4/2/2019 09:00 Matrix: Water

Sample ID: **BTR 201** Date Received: 4/2/2019 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	92.1		%	75 - 133	EPA 624.1			4/5/19 03:22	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

(ALS) Environmental

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ANALYTICAL RESULTS

Workorder: 3025746 BTR HAMPSTEAD WWTP

Lab ID: **3025746002** Date Collected: 4/2/2019 09:00 Matrix: Water

Sample ID: **BTR 201** Date Received: 4/2/2019 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Chloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			4/5/19 07:10	PDK	A
Chloroform	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			4/5/19 07:10	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			4/5/19 07:10	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	87.3		%	72 - 142	EPA 624.1			4/5/19 07:10	PDK	A
4-Bromofluorobenzene (S)	112		%	73 - 119	EPA 624.1			4/5/19 07:10	PDK	A
Dibromofluoromethane (S)	99.7		%	74 - 132	EPA 624.1			4/5/19 07:10	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: 3025746 BTR HAMPSTEAD WWTP

Lab ID: **3025746002** Date Collected: 4/2/2019 09:00 Matrix: Water

Sample ID: **BTR 201** Date Received: 4/2/2019 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
Toluene-d8 (S)	97.7		%	75 - 133	EPA 624.1			4/5/19 07:10	PDK	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: 3025746 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3025746001	BTR 201	EPA 624.1	
3025746002	BTR 201	EPA 624.1	

CHAIN OF CUSTO[DY] [INF]ORMATION FORM

5746

Maryland Environmental Service • 529 N[ame] • (410) 729-8200 • FAX (410) 729-8340

3025746

Lab # ALS Client Code: Garrett Schaller / 9885 GS

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	4/2/19	0900	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
BTR6	BTR 201	Quarterly Grab	40ml Glass VOA Vial, HCl	WW	3	4/2/19	0900	Total Volatiles Organics EPA 624 Purgeables

Transferred by: Burnett Brown	Received by:	Date 4/2/19	Time 1223
Transferred by:	Received by:	Date 4/2/19	Time 1653
Transferred by: 4/2	Received by: COURIER / ALS COURIER	Date	Time

Cooler Receipt Information (**LAB USE ONLY**)
Sufficient ice? - Yes/No If No, temp.= 0°2 1435
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date:

COMMON COURIER / ALS COURIER ALS 4/2/19 2110

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

Condition of Sample Receipt Form

Client: MES | Work Order #: 3025746 | Initials: CD | Date: 4/3/19

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°C ____

Thermometer ID: TH352 ____

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

Rev. 1/10/2019

ALS Environmental

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June 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:	**3037623**
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, June 5, 2019.

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

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

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

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

CC: 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: 3037623 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3037623001	BTR 001	Waste Water	6/4/2019 09:15	6/5/2019 04:20	Collected by Client
3037623002	BTR 001	Waste Water	6/4/2019 09:15	6/5/2019 04:20	Collected by Client

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SAMPLE SUMMARY

Workorder: 3037623 BTR HAMPSTEAD WWTP

Notes

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

Standard Acronyms/Flags

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

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

ANALYTICAL RESULTS

Workorder: 3037623 BTR HAMPSTEAD WWTP

Lab ID: **3037623001** Date Collected: 6/4/2019 09:15 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 6/5/2019 04:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	4.4		mg/L	2.0	S5210B-11			6/5/19 13:50	MXO	A
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	6/7/19 07:22	JXB	6/13/19 12:42	JXB	B

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 3037623 BTR HAMPSTEAD WWTP

Lab ID: **3037623002** Date Collected: 6/4/2019 09:15 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 6/5/2019 04:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Oil/Grease Hexane Extractable	ND		mg/L	2.1	EPA 1664B			6/7/19 10:00	ELS	B
Total Suspended Solids	12		mg/L	5	S2540D-11			6/6/19 16:42	D1C	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3037623 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3037623001	BTR 001	EPA 365.1	EPA 365.1
3037623001	BTR 001	S5210B-11	
3037623002	BTR 001	EPA 1664B	
3037623002	BTR 001	S2540D-11	

CHAIN OF CUSTODY / SAMPLE INFORMATION FOR

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

3037623

Lab # ALS	Client Code	Sampler	Garrett Scheller
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	6/4/19	0915	BOD
BTR2	↓	Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	6/4/19	0915	TP
BTR3	↓	Monthly Grab	1 Liter Glass H2S04	WW	1	6/4/19	0915	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	6/4/19	0915	TSS

Transferred by	Received by	Date	Time
Transferred by: Garrett Scheller	Received by: [signature]	6-4-19	11:10
Transferred by: [signature]	Received by: [signature] /ALS	6/4/19	1512
Transferred by: [signature] /ALS	Received by: COMMON COURIER / (ALS COURIER)	6/4/19	

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: 2°C 401

COMMON COURIER / (ALS COURIER) [signature] KM 6/5/19 0420

ALS

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Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client:	Work Order #:	Initials:	Date:
MES	3037623	QN	6/5/19

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):	2.5							
Thermometer ID:	401							
Radiological (µCi):								

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

Rev. 4/29/2019

ALS Environmental

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

June 6, 2019

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3037622**
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, June 5, 2019.

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

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

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

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

CC: 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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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: 3037622 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3037622001	BTR 201	Water	6/4/2019 09:10	6/5/2019 04:20	Collected by Client

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SAMPLE SUMMARY

Workorder: 3037622 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: 3037622 BTR HAMPSTEAD WWTP

Lab ID: **3037622001** Date Collected: 6/4/2019 09:10 Matrix: Water

Sample ID: **BTR 201** Date Received: 6/5/2019 04:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			6/6/19 13:34	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			6/6/19 13:34	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			6/6/19 13:34	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			6/6/19 13:34	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			6/6/19 13:34	PDK	A

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	93.3		%	72 - 142	EPA 624.1			6/6/19 13:34	PDK	A

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ANALYTICAL RESULTS

Workorder: 3037622 BTR HAMPSTEAD WWTP

Lab ID: **3037622001** Date Collected: 6/4/2019 09:10 Matrix: Water

Sample ID: **BTR 201** Date Received: 6/5/2019 04:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
4-Bromofluorobenzene (S)	98.9		%	73 - 119	EPA 624.1			6/6/19 13:34	PDK	A
Dibromofluoromethane (S)	95.4		%	74 - 132	EPA 624.1			6/6/19 13:34	PDK	A
Toluene-d8 (S)	84.6		%	75 - 133	EPA 624.1			6/6/19 13:34	PDK	A

Vanessa N. Badman

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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3037622 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3037622001	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: 3037622 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3037622001	BTR 201	EPA 624.1	

CHAIN OF CUSTODY / SAMPLE INFORMATION FO

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (41

Lab # AIS Client Code

Sampler Garrett Schelle

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 Conteiners	Date	Time	Analyses Required/Comments
BTR5	BTR 201	Monthly Grab	40ml Glass VOA Vial, HCl	WW	3	6/4/19	0910	1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables
	~~BTR 201~~	~~Quarterly Grab~~	~~40ml Glass VOA Vial, HCl~~	~~WW~~	~~3~~			~~Volatiles Organics EPA 624 Purgeables~~
~~BTR6~~	~~BTR 201~~	~~Quarterly Grab~~	~~40ml Glass VOA Vial, HCl~~	~~WW~~	~~3~~			~~Total Volatiles Organics EPA 624 Purgeables~~

Transferred by: Garrett Schelle	Received by: J Bagley	Date 6/4/19	Time 11:10	Cooler Receipt Information (**LAB USE ONLY**)
Transferred by: J Bagley	Received by: ALS	Date 6/4/19	Time 1512	Sufficient ice? - Yes/No If No, temp.= _____
Transferred by: ALS	Received by: COMMON COURIER / ALS COURIER	Date 6/4/19	Time	Sample containers pres'd? - Yes/No If No, explain
				Custody Seal present/intact? - Yes/No
				Initials: Date: 5.6 401

COMMON COURIER / ALS COURIER

6/5/19 0420

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	3037622	PO	6/5/19

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): 5 · C

Thermometer ID: 401

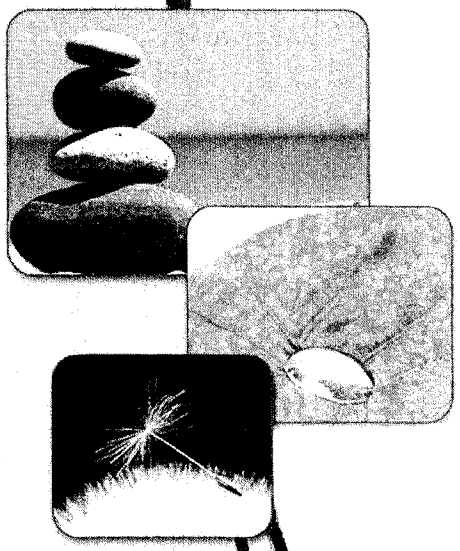
Radiological (pCi): _____

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

Rev. 4/29/2019

APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE (MAY 2019)

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

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

Laboratory Job ID: 500-163793-1
Client Project/Site: Black and Decker

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

Attn: Mr. Richard Merhar

Jodie Bracken

Authorized for release by:
6/5/2019 5:44:47 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

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

Table of Contents

Job ID: 500-163793-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-163793-1

Receipt
The samples were received on 5/22/2019 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.9° C.

Receipt Exceptions
The following samples were received with headspace in the sample container. RFW-1A (500-163793-1), RFW-2B (500-163793-4), RFW-3B (500-163793-5), RFW-13 (500-163793-14) and EW-5 (500-163793-20).

GC/MS VOA
The method blank for 488016 contained Methylene chloride above the method detection limit (MDL) and below the reporting limit (RL). This target analyte concentration was less than the reporting limit (RL) in the samples; therefore, re-analysis of samples was not performed. Methylene chloride results have been flagged in the associated samples with a "B" flag denote the presence in the blank and possible lab contamination.

The method blank for analytical batch 488118 contained Naphthalene above the Method dectection limit (MDL) but below reporting limit (RL). Naphthalene was non-dectect in the sample: therefore, no re-analysis was done and the data has been reported.

The method blank for analytical batch 488035 contained 1,2,4-Trichlorobenzene and Naphthalene above the Method dectection limit (MDL) but below reporting limit (RL). 1,2,4-Trichlorobenzene and Naphthalene were non-dectect in the sample: therefore, no re-analysis was done and the data has been reported.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 488118 were outside control limits for Styrene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Acetone was detected in the following samples: RFW-1A (500-163793-1), RFW-1B (500-163793-2), RFW-2A (500-163793-3), RFW-2B (500-163793-4), RFW-3B (500-163793-5), RFW-4A (500-163793-6), RFW-4A Dup (500-163793-7), RFW-4B (500-163793-8), RFW-6 (500-163793-9), RFW-7 (500-163793-10), RFW-9 (500-163793-11) and RFW-11B (500-163793-12). The method blank associated with these samples were 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: RFW-4A (500-163793-6), RFW-4A Dup (500-163793-7), RFW-4B (500-163793-8), RFW-9 (500-163793-11), RFW-11B (500-163793-12) and RFW-12B (500-163793-13). 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: 500-163793-1

Client Sample ID: RFW-1A — Lab Sample ID: 500-163793-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.5	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Chloroform	0.46	J	2.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-1B — Lab Sample ID: 500-163793-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Chloroform	0.38	J	2.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-2A — Lab Sample ID: 500-163793-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-2B — Lab Sample ID: 500-163793-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.17	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-3B — Lab Sample ID: 500-163793-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.7	J B	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.42	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A — Lab Sample ID: 500-163793-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.95	J	1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	0.65	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	24		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	17		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A Dup — Lab Sample ID: 500-163793-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.8	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.86	J	1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	0.58	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	24		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.

Client Sample ID: RFW-4B — Lab Sample ID: 500-163793-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.9	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.1	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.5		1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	1.4	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	58		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	82		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-6 — Lab Sample ID: 500-163793-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.7	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.43	J	0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.69	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-7 — Lab Sample ID: 500-163793-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.71		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-9 — Lab Sample ID: 500-163793-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.50	J	1.0	0.39	ug/L	1		8260B	Total/NA
Acetone	2.7	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.0	J	5.0	1.6	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.4		1.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	34		1.0	0.41	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.48	J	1.0	0.38	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: 500-163793-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.8	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.74		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-12B — Lab Sample ID: 500-163793-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.9	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.3		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	84		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	6.2		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-13 — Lab Sample ID: 500-163793-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RFW-13 (Continued) — Lab Sample ID: 500-163793-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	2.8		1.0	0.35	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.7		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	1.8		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	7.0		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-17 — Lab Sample ID: 500-163793-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.0	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-163793-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: EW-2 — Lab Sample ID: 500-163793-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.7		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	97		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	42		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-3 — Lab Sample ID: 500-163793-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	16		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-4 — Lab Sample ID: 500-163793-19

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
Trichloroethene	160		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-5 — Lab Sample ID: 500-163793-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	91		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.5		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-6 — Lab Sample ID: 500-163793-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	3.2		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	9.3		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-7 — Lab Sample ID: 500-163793-22

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

This Detection Summary does not include radiochemical test results.

Client Sample ID: EW-7 (Continued)

Lab Sample ID: 500-163793-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.6		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	1.1		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.1		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-8

Lab Sample ID: 500-163793-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	3.5		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	35		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-9

Lab Sample ID: 500-163793-24

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

Client Sample ID: EW-9 Dup

Lab Sample ID: 500-163793-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.9	J	5.0	1.6	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: 500-163793-26

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
Tetrachloroethene	3.9		1.0	0.37	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: 500-163793-1

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: 500-163793-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-163793-1	RFW-1A	Water	05/19/19 07:40	05/22/19 10:10	
500-163793-2	RFW-1B	Water	05/19/19 07:30	05/22/19 10:10	
500-163793-3	RFW-2A	Water	05/19/19 10:45	05/22/19 10:10	
500-163793-4	RFW-2B	Water	05/19/19 10:55	05/22/19 10:10	
500-163793-5	RFW-3B	Water	05/19/19 13:50	05/22/19 10:10	
500-163793-6	RFW-4A	Water	05/20/19 11:15	05/22/19 10:10	
500-163793-7	RFW-4A Dup	Water	05/20/19 11:15	05/22/19 10:10	
500-163793-8	RFW-4B	Water	05/20/19 12:05	05/22/19 10:10	
500-163793-9	RFW-6	Water	05/19/19 15:55	05/22/19 10:10	
500-163793-10	RFW-7	Water	05/19/19 12:00	05/22/19 10:10	
500-163793-11	RFW-9	Water	05/21/19 08:55	05/22/19 10:10	
500-163793-12	RFW-11B	Water	05/21/19 09:50	05/22/19 10:10	
500-163793-13	RFW-12B	Water	05/21/19 13:45	05/22/19 10:10	
500-163793-14	RFW-13	Water	05/19/19 16:40	05/22/19 10:10	
500-163793-15	RFW-17	Water	05/19/19 15:05	05/22/19 10:10	
500-163793-16	Trip Blank	Water	05/19/19 07:00	05/22/19 10:10	
500-163793-17	EW-2	Water	05/21/19 12:45	05/22/19 10:10	
500-163793-18	EW-3	Water	05/21/19 12:30	05/22/19 10:10	
500-163793-19	EW-4	Water	05/21/19 12:15	05/22/19 10:10	
500-163793-20	EW-5	Water	05/19/19 14:05	05/22/19 10:10	
500-163793-21	EW-6	Water	05/19/19 12:20	05/22/19 10:10	
500-163793-22	EW-7	Water	05/19/19 12:25	05/22/19 10:10	
500-163793-23	EW-8	Water	05/19/19 12:35	05/22/19 10:10	
500-163793-24	EW-9	Water	05/19/19 12:45	05/22/19 10:10	
500-163793-25	EW-9 Dup	Water	05/19/19 12:45	05/22/19 10:10	
500-163793-26	EW-10	Water	05/19/19 12:55	05/22/19 10:10	

Client Sample ID: RFW-1A
Date Collected: 05/19/19 07:40
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-1
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			05/31/19 13:59	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 13:59	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 13:59	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 13:59	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 13:59	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 13:59	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 13:59	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 13:59	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 13:59	1
Acetone	**4.5**	**J**	10	1.7	ug/L			05/31/19 13:59	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			05/31/19 13:59	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 13:59	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 13:59	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 13:59	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 13:59	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 13:59	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 13:59	1
Chloroform	**0.46**	**J**	2.0	0.37	ug/L			05/31/19 13:59	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 13:59	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 13:59	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 13:59	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 13:59	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 13:59	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 13:59	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 13:59	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 13:59	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 13:59	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 13:59	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 13:59	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 13:59	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 13:59	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 13:59	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 13:59	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 13:59	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 13:59	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 13:59	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 13:59	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 13:59	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 13:59	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 13:59	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 13:59	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 13:59	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 13:59	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 13:59	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 13:59	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 13:59	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 13:59	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 13:59	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 13:59	1

Client Sample ID: RFW-1A
Date Collected: 05/19/19 07:40
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-1
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			05/31/19 13:59	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 13:59	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 13:59	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 13:59	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 13:59	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 13:59	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 13:59	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 13:59	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 13:59	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 13:59	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 13:59	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 13:59	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 13:59	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 13:59	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*05/31/19 13:59*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/31/19 13:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/31/19 13:59*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/31/19 13:59*	*1*

Client Sample ID: RFW-1B
Date Collected: 05/19/19 07:30
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-2
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			05/31/19 14:50	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 14:50	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 14:50	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 14:50	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 14:50	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 14:50	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 14:50	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 14:50	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 14:50	1
Acetone	**5.0**	**J**	10	1.7	ug/L			05/31/19 14:50	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			05/31/19 14:50	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 14:50	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 14:50	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 14:50	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 14:50	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 14:50	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 14:50	1
Chloroform	**0.38**	**J**	2.0	0.37	ug/L			05/31/19 14:50	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 14:50	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 14:50	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 14:50	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 14:50	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 14:50	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 14:50	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 14:50	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 14:50	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 14:50	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 14:50	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 14:50	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 14:50	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 14:50	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 14:50	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 14:50	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 14:50	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 14:50	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 14:50	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 14:50	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 14:50	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 14:50	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 14:50	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 14:50	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 14:50	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 14:50	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 14:50	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 14:50	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 14:50	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 14:50	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 14:50	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 14:50	1

Client Sample ID: RFW-1B
Date Collected: 05/19/19 07:30
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-2
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			05/31/19 14:50	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 14:50	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 14:50	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 14:50	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 14:50	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 14:50	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 14:50	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 14:50	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 14:50	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 14:50	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 14:50	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 14:50	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 14:50	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 14:50	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*05/31/19 14:50*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*05/31/19 14:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/31/19 14:50*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/31/19 14:50*	*1*

Client Sample ID: RFW-2A
Date Collected: 05/19/19 10:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-3
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			05/31/19 15:15	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 15:15	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 15:15	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 15:15	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 15:15	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 15:15	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 15:15	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 15:15	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 15:15	1
Acetone	**4.1**	**J**	10	1.7	ug/L			05/31/19 15:15	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			05/31/19 15:15	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 15:15	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 15:15	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 15:15	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 15:15	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 15:15	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 15:15	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 15:15	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 15:15	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 15:15	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 15:15	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 15:15	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 15:15	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 15:15	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 15:15	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 15:15	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 15:15	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 15:15	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 15:15	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 15:15	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 15:15	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 15:15	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 15:15	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 15:15	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 15:15	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 15:15	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 15:15	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 15:15	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 15:15	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 15:15	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 15:15	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 15:15	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 15:15	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 15:15	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 15:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 15:15	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 15:15	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 15:15	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 15:15	1

Client Sample ID: RFW-2A
Date Collected: 05/19/19 10:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-3
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			05/31/19 15:15	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 15:15	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 15:15	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 15:15	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 15:15	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 15:15	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 15:15	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 15:15	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 15:15	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 15:15	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 15:15	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 15:15	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 15:15	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 15:15	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/31/19 15:15*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/31/19 15:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/31/19 15:15*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/31/19 15:15*	*1*

Client Sample ID: RFW-2B
Date Collected: 05/19/19 10:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-4
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			05/31/19 15:41	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 15:41	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 15:41	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 15:41	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 15:41	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 15:41	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 15:41	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 15:41	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 15:41	1
Acetone	**5.4**	**J**	10	1.7	ug/L			05/31/19 15:41	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			05/31/19 15:41	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 15:41	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 15:41	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 15:41	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 15:41	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 15:41	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 15:41	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 15:41	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 15:41	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 15:41	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 15:41	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 15:41	1
Trichloroethene	**0.17**	**J**	0.50	0.16	ug/L			05/31/19 15:41	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 15:41	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 15:41	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 15:41	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 15:41	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 15:41	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 15:41	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 15:41	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 15:41	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 15:41	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 15:41	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 15:41	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 15:41	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 15:41	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 15:41	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 15:41	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 15:41	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 15:41	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 15:41	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 15:41	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 15:41	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 15:41	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 15:41	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 15:41	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 15:41	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 15:41	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 15:41	1

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

Job ID: 500-163793-1

Client Sample ID: RFW-2B
Date Collected: 05/19/19 10:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-4
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			05/31/19 15:41	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 15:41	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 15:41	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 15:41	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 15:41	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 15:41	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 15:41	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 15:41	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 15:41	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 15:41	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 15:41	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 15:41	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 15:41	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 15:41	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/31/19 15:41*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/31/19 15:41*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/31/19 15:41*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/31/19 15:41*	*1*

Client Sample ID: RFW-3B
Date Collected: 05/19/19 13:50
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-5
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			05/31/19 16:06	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 16:06	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 16:06	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 16:06	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 16:06	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 16:06	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:06	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 16:06	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 16:06	1
Acetone	**5.6**	**J**	10	1.7	ug/L			05/31/19 16:06	1
Methylene Chloride	**3.7**	**J B**	5.0	1.6	ug/L			05/31/19 16:06	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 16:06	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 16:06	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 16:06	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.41	ug/L			05/31/19 16:06	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 16:06	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:06	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 16:06	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 16:06	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 16:06	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 16:06	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 16:06	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 16:06	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 16:06	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 16:06	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 16:06	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 16:06	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 16:06	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 16:06	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 16:06	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 16:06	1
Tetrachloroethene	**0.42**	**J**	1.0	0.37	ug/L			05/31/19 16:06	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 16:06	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 16:06	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 16:06	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 16:06	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:06	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 16:06	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 16:06	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 16:06	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 16:06	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 16:06	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 16:06	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:06	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 16:06	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 16:06	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 16:06	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 16:06	1

Client Sample ID: RFW-3B
Date Collected: 05/19/19 13:50
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-5
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			05/31/19 16:06	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 16:06	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:06	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:06	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:06	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:06	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 16:06	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:06	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:06	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 16:06	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 16:06	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 16:06	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 16:06	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 16:06	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*05/31/19 16:06*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/31/19 16:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/31/19 16:06*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/31/19 16:06*	*1*

Client Sample ID: RFW-4A
Date Collected: 05/20/19 11:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-6
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			05/31/19 16:36	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 16:36	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 16:36	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 16:36	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 16:36	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 16:36	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:36	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 16:36	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 16:36	1
Acetone	**15**		10	1.7	ug/L			05/31/19 16:36	1
Methylene Chloride	**2.9**	J	5.0	1.6	ug/L			05/31/19 16:36	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 16:36	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 16:36	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 16:36	1
cis-1,2-Dichloroethene	**0.95**	J	1.0	0.41	ug/L			05/31/19 16:36	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 16:36	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:36	1
Chloroform	**0.65**	J	2.0	0.37	ug/L			05/31/19 16:36	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 16:36	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 16:36	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 16:36	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 16:36	1
Trichloroethene	**24**		0.50	0.16	ug/L			05/31/19 16:36	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 16:36	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 16:36	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 16:36	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 16:36	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 16:36	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 16:36	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 16:36	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 16:36	1
Tetrachloroethene	**17**		1.0	0.37	ug/L			05/31/19 16:36	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 16:36	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 16:36	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 16:36	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 16:36	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:36	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 16:36	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 16:36	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 16:36	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 16:36	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 16:36	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 16:36	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:36	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:36	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 16:36	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 16:36	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 16:36	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 16:36	1

Client Sample ID: RFW-4A
Date Collected: 05/20/19 11:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-6
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			05/31/19 16:36	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 16:36	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:36	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:36	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:36	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:36	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 16:36	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:36	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:36	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 16:36	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 16:36	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 16:36	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 16:36	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 16:36	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/31/19 16:36*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/31/19 16:36*	*1*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*05/31/19 16:36*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*05/31/19 16:36*	*1*

Client Sample ID: RFW-4A Dup
Date Collected: 05/20/19 11:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-7
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			05/31/19 17:04	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 17:04	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 17:04	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 17:04	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 17:04	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 17:04	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:04	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 17:04	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 17:04	1
Acetone	**3.6**	**J**	10	1.7	ug/L			05/31/19 17:04	1
Methylene Chloride	**2.8**	**J**	5.0	1.6	ug/L			05/31/19 17:04	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 17:04	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 17:04	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 17:04	1
cis-1,2-Dichloroethene	**0.86**	**J**	1.0	0.41	ug/L			05/31/19 17:04	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 17:04	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:04	1
Chloroform	**0.58**	**J**	2.0	0.37	ug/L			05/31/19 17:04	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 17:04	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 17:04	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 17:04	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 17:04	1
Trichloroethene	**24**		0.50	0.16	ug/L			05/31/19 17:04	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 17:04	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 17:04	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 17:04	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 17:04	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 17:04	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 17:04	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 17:04	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 17:04	1
Tetrachloroethene	**17**		1.0	0.37	ug/L			05/31/19 17:04	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 17:04	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 17:04	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 17:04	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 17:04	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:04	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 17:04	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 17:04	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 17:04	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 17:04	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 17:04	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 17:04	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:04	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:04	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 17:04	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 17:04	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 17:04	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 17:04	1

Client Sample ID: RFW-4A Dup
Date Collected: 05/20/19 11:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-7
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			05/31/19 17:04	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 17:04	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:04	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:04	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:04	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:04	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 17:04	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:04	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:04	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 17:04	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 17:04	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 17:04	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 17:04	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 17:04	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*05/31/19 17:04*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/31/19 17:04*	*1*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*05/31/19 17:04*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/31/19 17:04*	*1*

Client Sample ID: RFW-4B
Date Collected: 05/20/19 12:05
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-8
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			05/31/19 17:32	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 17:32	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 17:32	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 17:32	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 17:32	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 17:32	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:32	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 17:32	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 17:32	1
Acetone	**8.9**	**J**	10	1.7	ug/L			05/31/19 17:32	1
Methylene Chloride	**3.1**	**J**	5.0	1.6	ug/L			05/31/19 17:32	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 17:32	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 17:32	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 17:32	1
cis-1,2-Dichloroethene	**3.5**		1.0	0.41	ug/L			05/31/19 17:32	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 17:32	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:32	1
Chloroform	**1.4**	**J**	2.0	0.37	ug/L			05/31/19 17:32	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 17:32	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 17:32	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 17:32	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 17:32	1
Trichloroethene	**58**		0.50	0.16	ug/L			05/31/19 17:32	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 17:32	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 17:32	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 17:32	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 17:32	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 17:32	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 17:32	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 17:32	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 17:32	1
Tetrachloroethene	**82**		1.0	0.37	ug/L			05/31/19 17:32	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 17:32	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 17:32	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 17:32	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 17:32	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:32	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 17:32	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 17:32	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 17:32	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 17:32	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 17:32	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 17:32	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:32	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:32	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 17:32	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 17:32	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 17:32	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 17:32	1

Client Sample ID: RFW-4B
Date Collected: 05/20/19 12:05
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-8
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			05/31/19 17:32	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 17:32	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:32	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:32	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:32	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:32	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 17:32	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:32	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:32	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 17:32	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 17:32	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 17:32	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 17:32	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 17:32	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*05/31/19 17:32*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 17:32*	*1*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*05/31/19 17:32*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*05/31/19 17:32*	*1*

Client Sample ID: RFW-6
Date Collected: 05/19/19 15:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-9
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			05/31/19 16:32	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 16:32	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 16:32	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 16:32	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 16:32	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 16:32	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:32	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 16:32	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 16:32	1
Acetone	**5.8**	**J**	10	1.7	ug/L			05/31/19 16:32	1
Methylene Chloride	**3.7**	**J B**	5.0	1.6	ug/L			05/31/19 16:32	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 16:32	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 16:32	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 16:32	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 16:32	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 16:32	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:32	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 16:32	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 16:32	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 16:32	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 16:32	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 16:32	1
Trichloroethene	**0.43**	**J**	0.50	0.16	ug/L			05/31/19 16:32	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 16:32	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 16:32	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 16:32	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 16:32	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 16:32	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 16:32	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 16:32	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 16:32	1
Tetrachloroethene	**0.69**	**J**	1.0	0.37	ug/L			05/31/19 16:32	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 16:32	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 16:32	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 16:32	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 16:32	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:32	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 16:32	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 16:32	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 16:32	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 16:32	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 16:32	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 16:32	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:32	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:32	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 16:32	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 16:32	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 16:32	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 16:32	1

Client Sample ID: RFW-6
Date Collected: 05/19/19 15:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-9
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			05/31/19 16:32	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 16:32	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:32	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:32	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:32	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:32	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 16:32	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:32	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:32	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 16:32	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 16:32	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 16:32	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 16:32	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 16:32	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/31/19 16:32*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/31/19 16:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/31/19 16:32*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/31/19 16:32*	*1*

Client Sample ID: RFW-7
Date Collected: 05/19/19 12:00
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-10
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			05/31/19 16:57	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 16:57	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 16:57	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 16:57	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 16:57	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 16:57	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:57	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 16:57	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 16:57	1
Acetone	**4.7**	**J**	10	1.7	ug/L			05/31/19 16:57	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			05/31/19 16:57	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 16:57	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 16:57	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 16:57	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 16:57	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 16:57	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:57	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 16:57	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 16:57	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 16:57	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 16:57	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 16:57	1
Trichloroethene	**0.71**		0.50	0.16	ug/L			05/31/19 16:57	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 16:57	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 16:57	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 16:57	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 16:57	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 16:57	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 16:57	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 16:57	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 16:57	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 16:57	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 16:57	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 16:57	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 16:57	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 16:57	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:57	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 16:57	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 16:57	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 16:57	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 16:57	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 16:57	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 16:57	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:57	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:57	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 16:57	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 16:57	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 16:57	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 16:57	1

Client Sample ID: RFW-7
Date Collected: 05/19/19 12:00
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-10
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			05/31/19 16:57	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 16:57	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:57	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:57	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:57	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:57	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 16:57	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:57	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:57	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 16:57	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 16:57	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 16:57	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 16:57	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 16:57	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/31/19 16:57*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/31/19 16:57*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/31/19 16:57*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/31/19 16:57*	*1*

Client Sample ID: RFW-9
Date Collected: 05/21/19 08:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-11
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			05/31/19 18:00	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 18:00	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 18:00	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 18:00	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 18:00	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 18:00	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:00	1
1,1-Dichloroethene	**0.50**	**J**	1.0	0.39	ug/L			05/31/19 18:00	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 18:00	1
Acetone	**2.7**	**J**	10	1.7	ug/L			05/31/19 18:00	1
Methylene Chloride	**3.0**	**J**	5.0	1.6	ug/L			05/31/19 18:00	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 18:00	1
1,1-Dichloroethane	**1.4**		1.0	0.41	ug/L			05/31/19 18:00	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 18:00	1
cis-1,2-Dichloroethene	**34**		1.0	0.41	ug/L			05/31/19 18:00	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 18:00	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:00	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 18:00	1
1,1,1-Trichloroethane	**0.48**	**J**	1.0	0.38	ug/L			05/31/19 18:00	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 18:00	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 18:00	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 18:00	1
Trichloroethene	**5.4**		0.50	0.16	ug/L			05/31/19 18:00	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 18:00	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 18:00	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 18:00	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 18:00	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 18:00	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 18:00	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 18:00	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 18:00	1
Tetrachloroethene	**6.1**		1.0	0.37	ug/L			05/31/19 18:00	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 18:00	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 18:00	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 18:00	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 18:00	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:00	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 18:00	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 18:00	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 18:00	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 18:00	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 18:00	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 18:00	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:00	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:00	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 18:00	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 18:00	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 18:00	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 18:00	1

Client Sample ID: RFW-9
Date Collected: 05/21/19 08:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-11
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			05/31/19 18:00	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 18:00	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:00	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:00	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:00	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:00	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 18:00	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:00	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:00	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 18:00	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 18:00	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 18:00	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 18:00	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 18:00	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/31/19 18:00*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/31/19 18:00*	*1*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*05/31/19 18:00*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/31/19 18:00*	*1*

Client Sample ID: RFW-11B
Date Collected: 05/21/19 09:50
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-12
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			05/31/19 18:27	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 18:27	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 18:27	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 18:27	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 18:27	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 18:27	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:27	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 18:27	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 18:27	1
Acetone	**3.4**	J	10	1.7	ug/L			05/31/19 18:27	1
Methylene Chloride	**2.8**	J	5.0	1.6	ug/L			05/31/19 18:27	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 18:27	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 18:27	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 18:27	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 18:27	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 18:27	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:27	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 18:27	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 18:27	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 18:27	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 18:27	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 18:27	1
Trichloroethene	**0.74**		0.50	0.16	ug/L			05/31/19 18:27	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 18:27	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 18:27	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 18:27	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 18:27	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 18:27	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 18:27	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 18:27	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 18:27	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 18:27	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 18:27	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 18:27	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 18:27	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 18:27	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:27	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 18:27	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 18:27	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 18:27	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 18:27	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 18:27	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 18:27	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:27	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:27	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 18:27	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 18:27	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 18:27	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 18:27	1

Client Sample ID: RFW-11B

Date Collected: 05/21/19 09:50
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-12

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			05/31/19 18:27	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 18:27	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:27	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:27	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:27	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:27	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 18:27	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:27	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:27	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 18:27	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 18:27	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 18:27	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 18:27	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 18:27	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/31/19 18:27*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/31/19 18:27*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*05/31/19 18:27*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*05/31/19 18:27*	*1*

Client Sample ID: RFW-12B
Date Collected: 05/21/19 13:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-13
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			05/31/19 19:25	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 19:25	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 19:25	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 19:25	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 19:25	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 19:25	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 19:25	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 19:25	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 19:25	1
Acetone	<10		10	1.7	ug/L			05/31/19 19:25	1
Methylene Chloride	**1.9**	J	5.0	1.6	ug/L			05/31/19 19:25	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 19:25	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 19:25	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 19:25	1
cis-1,2-Dichloroethene	**2.3**		1.0	0.41	ug/L			05/31/19 19:25	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 19:25	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 19:25	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 19:25	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 19:25	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 19:25	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 19:25	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 19:25	1
Trichloroethene	**84**		0.50	0.16	ug/L			05/31/19 19:25	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 19:25	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 19:25	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 19:25	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 19:25	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 19:25	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 19:25	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 19:25	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 19:25	1
Tetrachloroethene	**6.2**		1.0	0.37	ug/L			05/31/19 19:25	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 19:25	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 19:25	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 19:25	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 19:25	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 19:25	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 19:25	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 19:25	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 19:25	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 19:25	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 19:25	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 19:25	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 19:25	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 19:25	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 19:25	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 19:25	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 19:25	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 19:25	1

Client Sample ID: RFW-12B
Date Collected: 05/21/19 13:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-13
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			05/31/19 19:25	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 19:25	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 19:25	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 19:25	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 19:25	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 19:25	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 19:25	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 19:25	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 19:25	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 19:25	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 19:25	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 19:25	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 19:25	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 19:25	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*05/31/19 19:25*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/31/19 19:25*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*05/31/19 19:25*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*05/31/19 19:25*	*1*

Client Sample ID: RFW-13
Date Collected: 05/19/19 16:40
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-14
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			05/31/19 17:23	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 17:23	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 17:23	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 17:23	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 17:23	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 17:23	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:23	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 17:23	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 17:23	1
Acetone	**4.7**	**J**	10	1.7	ug/L			05/31/19 17:23	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			05/31/19 17:23	1
trans-1,2-Dichloroethene	**2.8**		1.0	0.35	ug/L			05/31/19 17:23	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 17:23	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 17:23	1
cis-1,2-Dichloroethene	**2.7**		1.0	0.41	ug/L			05/31/19 17:23	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 17:23	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:23	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 17:23	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 17:23	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 17:23	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 17:23	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 17:23	1
Trichloroethene	**1.8**		0.50	0.16	ug/L			05/31/19 17:23	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 17:23	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 17:23	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 17:23	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 17:23	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 17:23	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 17:23	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 17:23	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 17:23	1
Tetrachloroethene	**7.0**		1.0	0.37	ug/L			05/31/19 17:23	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 17:23	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 17:23	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 17:23	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 17:23	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:23	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 17:23	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 17:23	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 17:23	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 17:23	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 17:23	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 17:23	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:23	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 17:23	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 17:23	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 17:23	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 17:23	1

Client Sample ID: RFW-13
Date Collected: 05/19/19 16:40
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-14
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			05/31/19 17:23	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 17:23	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:23	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:23	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:23	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:23	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 17:23	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:23	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:23	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 17:23	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 17:23	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 17:23	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 17:23	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 17:23	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/31/19 17:23*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/31/19 17:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/31/19 17:23*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/31/19 17:23*	*1*

Client Sample ID: RFW-17
Date Collected: 05/19/19 15:05
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-15
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			05/31/19 17:48	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 17:48	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 17:48	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 17:48	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 17:48	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 17:48	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:48	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 17:48	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 17:48	1
Acetone	4.1	J	10	1.7	ug/L			05/31/19 17:48	1
Methylene Chloride	3.0	J B	5.0	1.6	ug/L			05/31/19 17:48	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 17:48	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 17:48	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 17:48	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 17:48	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 17:48	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:48	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 17:48	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 17:48	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 17:48	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 17:48	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 17:48	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 17:48	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 17:48	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 17:48	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 17:48	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 17:48	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 17:48	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 17:48	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 17:48	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 17:48	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 17:48	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 17:48	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 17:48	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 17:48	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 17:48	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:48	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 17:48	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 17:48	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 17:48	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 17:48	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 17:48	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 17:48	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:48	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:48	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 17:48	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 17:48	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 17:48	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 17:48	1

Client Sample ID: RFW-17
Date Collected: 05/19/19 15:05
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-15
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			05/31/19 17:48	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 17:48	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:48	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:48	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:48	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:48	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 17:48	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:48	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:48	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 17:48	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 17:48	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 17:48	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 17:48	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 17:48	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/31/19 17:48*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/31/19 17:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/31/19 17:48*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/31/19 17:48*	*1*

Client Sample ID: Trip Blank
Date Collected: 05/19/19 07:00
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-16
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			05/31/19 18:14	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 18:14	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 18:14	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 18:14	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 18:14	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 18:14	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:14	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 18:14	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 18:14	1
Acetone	**4.1**	**J**	10	1.7	ug/L			05/31/19 18:14	1
Methylene Chloride	**2.6**	**J B**	5.0	1.6	ug/L			05/31/19 18:14	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 18:14	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 18:14	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 18:14	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 18:14	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 18:14	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:14	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 18:14	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 18:14	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 18:14	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 18:14	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 18:14	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 18:14	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 18:14	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 18:14	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 18:14	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 18:14	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 18:14	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 18:14	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 18:14	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 18:14	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 18:14	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 18:14	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 18:14	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 18:14	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 18:14	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:14	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 18:14	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 18:14	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 18:14	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 18:14	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 18:14	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 18:14	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:14	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:14	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 18:14	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 18:14	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 18:14	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 18:14	1

Client Sample ID: Trip Blank
Date Collected: 05/19/19 07:00
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-16
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			05/31/19 18:14	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 18:14	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:14	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:14	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:14	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:14	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 18:14	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:14	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:14	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 18:14	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 18:14	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 18:14	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 18:14	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 18:14	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/31/19 18:14*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*05/31/19 18:14*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/31/19 18:14*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/31/19 18:14*	*1*

Client Sample ID: EW-2
Date Collected: 05/21/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-17
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			05/31/19 19:51	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 19:51	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 19:51	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 19:51	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 19:51	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 19:51	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 19:51	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 19:51	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 19:51	1
Acetone	<10		10	1.7	ug/L			05/31/19 19:51	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			05/31/19 19:51	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 19:51	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 19:51	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 19:51	1
cis-1,2-Dichloroethene	**1.7**		1.0	0.41	ug/L			05/31/19 19:51	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 19:51	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 19:51	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 19:51	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 19:51	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 19:51	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 19:51	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 19:51	1
Trichloroethene	**97**		0.50	0.16	ug/L			05/31/19 19:51	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 19:51	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 19:51	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 19:51	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 19:51	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 19:51	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 19:51	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 19:51	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 19:51	1
Tetrachloroethene	**42**		1.0	0.37	ug/L			05/31/19 19:51	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 19:51	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 19:51	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 19:51	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 19:51	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 19:51	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 19:51	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 19:51	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 19:51	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 19:51	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 19:51	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 19:51	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 19:51	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 19:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 19:51	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 19:51	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 19:51	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 19:51	1

Client Sample ID: EW-2
Date Collected: 05/21/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-17
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			05/31/19 19:51	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 19:51	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 19:51	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 19:51	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 19:51	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 19:51	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 19:51	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 19:51	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 19:51	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 19:51	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 19:51	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 19:51	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 19:51	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 19:51	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*05/31/19 19:51*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/31/19 19:51*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*05/31/19 19:51*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*05/31/19 19:51*	*1*

Client Sample ID: EW-3
Date Collected: 05/21/19 12:30
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-18
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			05/31/19 20:17	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 20:17	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 20:17	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 20:17	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 20:17	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 20:17	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 20:17	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 20:17	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 20:17	1
Acetone	<10		10	1.7	ug/L			05/31/19 20:17	1
Methylene Chloride	**1.8**	**J**	5.0	1.6	ug/L			05/31/19 20:17	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 20:17	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 20:17	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 20:17	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.41	ug/L			05/31/19 20:17	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 20:17	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 20:17	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 20:17	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 20:17	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 20:17	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 20:17	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 20:17	1
Trichloroethene	**16**		0.50	0.16	ug/L			05/31/19 20:17	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 20:17	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 20:17	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 20:17	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 20:17	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 20:17	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 20:17	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 20:17	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 20:17	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 20:17	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 20:17	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 20:17	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 20:17	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 20:17	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 20:17	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 20:17	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 20:17	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 20:17	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 20:17	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 20:17	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 20:17	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 20:17	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 20:17	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 20:17	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 20:17	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 20:17	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 20:17	1

Client Sample ID: EW-3
Date Collected: 05/21/19 12:30
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-18
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			05/31/19 20:17	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 20:17	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 20:17	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 20:17	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 20:17	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 20:17	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 20:17	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 20:17	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 20:17	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 20:17	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 20:17	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 20:17	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 20:17	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 20:17	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/31/19 20:17*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 20:17*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*05/31/19 20:17*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*05/31/19 20:17*	*1*

Client Sample ID: EW-4
Date Collected: 05/21/19 12:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-19
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			05/31/19 20:42	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 20:42	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 20:42	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 20:42	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 20:42	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 20:42	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 20:42	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 20:42	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 20:42	1
Acetone	<10		10	1.7	ug/L			05/31/19 20:42	1
Methylene Chloride	**2.1**	J	5.0	1.6	ug/L			05/31/19 20:42	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 20:42	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 20:42	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 20:42	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 20:42	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 20:42	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 20:42	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 20:42	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 20:42	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 20:42	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 20:42	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 20:42	1
Trichloroethene	**160**		0.50	0.16	ug/L			05/31/19 20:42	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 20:42	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 20:42	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 20:42	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 20:42	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 20:42	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 20:42	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 20:42	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 20:42	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 20:42	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 20:42	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 20:42	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 20:42	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 20:42	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 20:42	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 20:42	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 20:42	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 20:42	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 20:42	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 20:42	1
Bromoform	<1.0	F1	1.0	0.48	ug/L			05/31/19 20:42	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 20:42	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 20:42	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 20:42	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 20:42	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 20:42	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 20:42	1

Client Sample ID: EW-4
Date Collected: 05/21/19 12:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-19
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			05/31/19 20:42	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 20:42	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 20:42	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 20:42	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 20:42	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 20:42	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 20:42	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 20:42	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 20:42	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 20:42	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 20:42	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 20:42	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 20:42	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 20:42	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/31/19 20:42*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 20:42*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*05/31/19 20:42*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*05/31/19 20:42*	*1*

Client Sample ID: EW-5
Date Collected: 05/19/19 14:05
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-20
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			05/31/19 16:22	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 16:22	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 16:22	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 16:22	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 16:22	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 16:22	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:22	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 16:22	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 16:22	1
Acetone	<10		10	1.7	ug/L			05/31/19 16:22	1
Methylene Chloride	**1.8**	**J**	5.0	1.6	ug/L			05/31/19 16:22	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 16:22	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 16:22	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 16:22	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 16:22	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 16:22	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:22	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 16:22	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 16:22	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 16:22	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 16:22	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 16:22	1
Trichloroethene	**91**		0.50	0.16	ug/L			05/31/19 16:22	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 16:22	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 16:22	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 16:22	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 16:22	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 16:22	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 16:22	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 16:22	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 16:22	1
Tetrachloroethene	**3.5**		1.0	0.37	ug/L			05/31/19 16:22	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 16:22	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 16:22	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 16:22	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 16:22	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:22	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 16:22	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 16:22	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 16:22	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 16:22	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 16:22	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 16:22	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:22	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:22	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 16:22	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 16:22	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 16:22	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 16:22	1

Client Sample ID: EW-5
Date Collected: 05/19/19 14:05
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-20
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			05/31/19 16:22	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 16:22	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:22	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:22	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:22	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:22	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 16:22	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:22	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:22	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 16:22	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 16:22	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 16:22	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 16:22	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 16:22	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/31/19 16:22*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/31/19 16:22*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*05/31/19 16:22*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/31/19 16:22*	*1*

Client Sample ID: EW-6
Date Collected: 05/19/19 12:20
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-21
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			05/31/19 16:48	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 16:48	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 16:48	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 16:48	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 16:48	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 16:48	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:48	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 16:48	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 16:48	1
Acetone	<10		10	1.7	ug/L			05/31/19 16:48	1
Methylene Chloride	**1.7**	**J**	5.0	1.6	ug/L			05/31/19 16:48	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 16:48	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 16:48	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 16:48	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 16:48	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 16:48	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 16:48	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 16:48	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 16:48	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 16:48	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 16:48	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 16:48	1
Trichloroethene	**3.2**		0.50	0.16	ug/L			05/31/19 16:48	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 16:48	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 16:48	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 16:48	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 16:48	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 16:48	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 16:48	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 16:48	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 16:48	1
Tetrachloroethene	**9.3**		1.0	0.37	ug/L			05/31/19 16:48	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 16:48	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 16:48	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 16:48	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 16:48	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:48	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 16:48	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 16:48	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 16:48	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 16:48	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 16:48	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 16:48	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:48	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:48	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 16:48	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 16:48	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 16:48	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 16:48	1

Client Sample ID: EW-6
Date Collected: 05/19/19 12:20
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-21
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			05/31/19 16:48	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 16:48	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:48	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:48	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:48	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 16:48	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 16:48	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 16:48	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 16:48	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 16:48	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 16:48	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 16:48	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 16:48	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 16:48	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/31/19 16:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/31/19 16:48*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*05/31/19 16:48*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*05/31/19 16:48*	*1*

Client Sample ID: EW-7
Date Collected: 05/19/19 12:25
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-22
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			05/31/19 17:14	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 17:14	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 17:14	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 17:14	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 17:14	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 17:14	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:14	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 17:14	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 17:14	1
Acetone	<10		10	1.7	ug/L			05/31/19 17:14	1
Methylene Chloride	**1.9**	**J**	5.0	1.6	ug/L			05/31/19 17:14	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 17:14	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 17:14	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 17:14	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.41	ug/L			05/31/19 17:14	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 17:14	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:14	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 17:14	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 17:14	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 17:14	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 17:14	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 17:14	1
Trichloroethene	**1.1**		0.50	0.16	ug/L			05/31/19 17:14	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 17:14	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 17:14	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 17:14	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 17:14	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 17:14	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 17:14	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 17:14	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 17:14	1
Tetrachloroethene	**3.1**		1.0	0.37	ug/L			05/31/19 17:14	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 17:14	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 17:14	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 17:14	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 17:14	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:14	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 17:14	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 17:14	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 17:14	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 17:14	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 17:14	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 17:14	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:14	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:14	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 17:14	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 17:14	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 17:14	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 17:14	1

Client Sample ID: EW-7
Date Collected: 05/19/19 12:25
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-22
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			05/31/19 17:14	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 17:14	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:14	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:14	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:14	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:14	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 17:14	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:14	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:14	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 17:14	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 17:14	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 17:14	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 17:14	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 17:14	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/31/19 17:14*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 17:14*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*05/31/19 17:14*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/31/19 17:14*	*1*

Client Sample ID: EW-8
Date Collected: 05/19/19 12:35
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-23
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			05/31/19 17:40	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 17:40	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 17:40	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 17:40	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 17:40	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 17:40	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:40	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 17:40	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 17:40	1
Acetone	<10		10	1.7	ug/L			05/31/19 17:40	1
Methylene Chloride	**1.8**	J	5.0	1.6	ug/L			05/31/19 17:40	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 17:40	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 17:40	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 17:40	1
cis-1,2-Dichloroethene	**16**		1.0	0.41	ug/L			05/31/19 17:40	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 17:40	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 17:40	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 17:40	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 17:40	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 17:40	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 17:40	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 17:40	1
Trichloroethene	**3.5**		0.50	0.16	ug/L			05/31/19 17:40	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 17:40	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 17:40	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 17:40	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 17:40	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 17:40	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 17:40	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 17:40	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 17:40	1
Tetrachloroethene	**35**		1.0	0.37	ug/L			05/31/19 17:40	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 17:40	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 17:40	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 17:40	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 17:40	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:40	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 17:40	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 17:40	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 17:40	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 17:40	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 17:40	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 17:40	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:40	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:40	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 17:40	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 17:40	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 17:40	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 17:40	1

Client Sample ID: EW-8
Date Collected: 05/19/19 12:35
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-23
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			05/31/19 17:40	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 17:40	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:40	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:40	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:40	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 17:40	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 17:40	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 17:40	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 17:40	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 17:40	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 17:40	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 17:40	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 17:40	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 17:40	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/31/19 17:40*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 17:40*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*05/31/19 17:40*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*05/31/19 17:40*	*1*

Client Sample ID: EW-9
Date Collected: 05/19/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-24
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			05/31/19 18:07	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 18:07	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 18:07	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 18:07	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 18:07	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 18:07	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:07	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 18:07	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 18:07	1
Acetone	<10		10	1.7	ug/L			05/31/19 18:07	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			05/31/19 18:07	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 18:07	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 18:07	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 18:07	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 18:07	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 18:07	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:07	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 18:07	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 18:07	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 18:07	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 18:07	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 18:07	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 18:07	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 18:07	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 18:07	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 18:07	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 18:07	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 18:07	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 18:07	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 18:07	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 18:07	1
Tetrachloroethene	91		1.0	0.37	ug/L			05/31/19 18:07	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 18:07	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 18:07	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 18:07	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 18:07	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:07	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 18:07	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 18:07	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 18:07	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 18:07	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 18:07	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 18:07	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:07	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 18:07	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 18:07	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 18:07	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 18:07	1

Client Sample ID: EW-9
Date Collected: 05/19/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-24
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			05/31/19 18:07	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 18:07	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:07	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:07	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:07	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:07	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 18:07	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:07	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:07	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 18:07	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 18:07	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 18:07	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 18:07	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 18:07	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*05/31/19 18:07*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 18:07*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*05/31/19 18:07*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*05/31/19 18:07*	*1*

Client Sample ID: EW-9 Dup
Date Collected: 05/19/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-25
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			05/31/19 18:33	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 18:33	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 18:33	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 18:33	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 18:33	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 18:33	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:33	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 18:33	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 18:33	1
Acetone	<10		10	1.7	ug/L			05/31/19 18:33	1
Methylene Chloride	**1.9**	J	5.0	1.6	ug/L			05/31/19 18:33	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 18:33	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 18:33	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 18:33	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 18:33	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 18:33	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:33	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 18:33	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 18:33	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 18:33	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 18:33	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 18:33	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 18:33	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 18:33	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 18:33	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 18:33	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 18:33	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 18:33	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 18:33	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 18:33	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 18:33	1
Tetrachloroethene	**91**		1.0	0.37	ug/L			05/31/19 18:33	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 18:33	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 18:33	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 18:33	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 18:33	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:33	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 18:33	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 18:33	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 18:33	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 18:33	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 18:33	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 18:33	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:33	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:33	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 18:33	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 18:33	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 18:33	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 18:33	1

Client Sample ID: EW-9 Dup
Date Collected: 05/19/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-25
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			05/31/19 18:33	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 18:33	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:33	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:33	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:33	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:33	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 18:33	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:33	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:33	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 18:33	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 18:33	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 18:33	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 18:33	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 18:33	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/31/19 18:33*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 18:33*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*05/31/19 18:33*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/31/19 18:33*	*1*

Client Sample ID: EW-10
Date Collected: 05/19/19 12:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-26
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			05/31/19 18:59	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 18:59	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 18:59	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 18:59	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 18:59	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 18:59	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:59	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 18:59	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 18:59	1
Acetone	<10		10	1.7	ug/L			05/31/19 18:59	1
Methylene Chloride	**2.1**	**J**	5.0	1.6	ug/L			05/31/19 18:59	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 18:59	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 18:59	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 18:59	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 18:59	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 18:59	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 18:59	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 18:59	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 18:59	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 18:59	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 18:59	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 18:59	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 18:59	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 18:59	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 18:59	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 18:59	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 18:59	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 18:59	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 18:59	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 18:59	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 18:59	1
Tetrachloroethene	**3.9**		1.0	0.37	ug/L			05/31/19 18:59	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 18:59	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 18:59	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 18:59	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 18:59	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:59	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 18:59	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 18:59	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 18:59	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 18:59	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 18:59	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 18:59	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:59	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:59	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 18:59	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 18:59	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 18:59	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 18:59	1

Client Sample ID: EW-10
Date Collected: 05/19/19 12:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-26
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			05/31/19 18:59	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 18:59	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:59	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:59	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:59	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 18:59	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 18:59	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 18:59	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 18:59	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 18:59	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 18:59	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 18:59	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 18:59	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 18:59	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*05/31/19 18:59*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*05/31/19 18:59*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*05/31/19 18:59*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*05/31/19 18:59*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 488016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-163793-1	RFW-1A	Total/NA	Water	8260B	
500-163793-2	RFW-1B	Total/NA	Water	8260B	
500-163793-3	RFW-2A	Total/NA	Water	8260B	
500-163793-4	RFW-2B	Total/NA	Water	8260B	
500-163793-5	RFW-3B	Total/NA	Water	8260B	
500-163793-9	RFW-6	Total/NA	Water	8260B	
500-163793-10	RFW-7	Total/NA	Water	8260B	
500-163793-14	RFW-13	Total/NA	Water	8260B	
500-163793-15	RFW-17	Total/NA	Water	8260B	
500-163793-16	Trip Blank	Total/NA	Water	8260B	
MB 500-488016/7	Method Blank	Total/NA	Water	8260B	
LCS 500-488016/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 488035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-163793-6	RFW-4A	Total/NA	Water	8260B	
500-163793-7	RFW-4A Dup	Total/NA	Water	8260B	
500-163793-8	RFW-4B	Total/NA	Water	8260B	
500-163793-11	RFW-9	Total/NA	Water	8260B	
500-163793-12	RFW-11B	Total/NA	Water	8260B	
MB 500-488035/6	Method Blank	Total/NA	Water	8260B	
LCS 500-488035/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 488118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-163793-13	RFW-12B	Total/NA	Water	8260B	
500-163793-17	EW-2	Total/NA	Water	8260B	
500-163793-18	EW-3	Total/NA	Water	8260B	
500-163793-19	EW-4	Total/NA	Water	8260B	
500-163793-20	EW-5	Total/NA	Water	8260B	
500-163793-21	EW-6	Total/NA	Water	8260B	
500-163793-22	EW-7	Total/NA	Water	8260B	
500-163793-23	EW-8	Total/NA	Water	8260B	
500-163793-24	EW-9	Total/NA	Water	8260B	
500-163793-25	EW-9 Dup	Total/NA	Water	8260B	
500-163793-26	EW-10	Total/NA	Water	8260B	
MB 500-488118/6	Method Blank	Total/NA	Water	8260B	
LCS 500-488118/4	Lab Control Sample	Total/NA	Water	8260B	
500-163793-19 MS	EW-4	Total/NA	Water	8260B	
500-163793-19 MSD	EW-4	Total/NA	Water	8260B	

Surrogate Summary

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

Job ID: 500-163793-1

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)
500-163793-1	RFW-1A	100	102	102	99
500-163793-2	RFW-1B	101	101	100	100
500-163793-3	RFW-2A	98	103	99	100
500-163793-4	RFW-2B	99	102	101	101
500-163793-5	RFW-3B	100	102	100	101
500-163793-6	RFW-4A	108	94	114	106
500-163793-7	RFW-4A Dup	109	95	117	107
500-163793-8	RFW-4B	109	93	116	109
500-163793-9	RFW-6	99	102	101	99
500-163793-10	RFW-7	98	100	100	99
500-163793-11	RFW-9	108	95	117	107
500-163793-12	RFW-11B	108	94	115	109
500-163793-13	RFW-12B	100	95	90	106
500-163793-14	RFW-13	99	102	101	99
500-163793-15	RFW-17	98	102	100	99
500-163793-16	Trip Blank	99	101	102	99
500-163793-17	EW-2	100	94	88	109
500-163793-18	EW-3	99	93	88	108
500-163793-19	EW-4	99	93	88	109
500-163793-19 MS	EW-4	104	93	88	111
500-163793-19 MSD	EW-4	104	91	89	109
500-163793-20	EW-5	98	94	87	107
500-163793-21	EW-6	95	94	88	105
500-163793-22	EW-7	97	93	87	107
500-163793-23	EW-8	95	93	87	106
500-163793-24	EW-9	100	93	89	109
500-163793-25	EW-9 Dup	98	93	90	107
500-163793-26	EW-10	101	92	87	109
LCS 500-488016/5	Lab Control Sample	94	102	101	100
LCS 500-488035/4	Lab Control Sample	96	94	98	99
LCS 500-488118/4	Lab Control Sample	99	95	93	108
MB 500-488016/7	Method Blank	98	101	100	100
MB 500-488035/6	Method Blank	107	96	114	105
MB 500-488118/6	Method Blank	99	93	90	106

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 500-488016/7
Matrix: Water
Analysis Batch: 488016

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			05/31/19 10:34	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 10:34	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 10:34	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 10:34	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 10:34	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 10:34	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 10:34	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 10:34	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 10:34	1
Acetone	<10		10	1.7	ug/L			05/31/19 10:34	1
Methylene Chloride	3.71	J	5.0	1.6	ug/L			05/31/19 10:34	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 10:34	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 10:34	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 10:34	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 10:34	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 10:34	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 10:34	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 10:34	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 10:34	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 10:34	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 10:34	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 10:34	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 10:34	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 10:34	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 10:34	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 10:34	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 10:34	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 10:34	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 10:34	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 10:34	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 10:34	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 10:34	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 10:34	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 10:34	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 10:34	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 10:34	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 10:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 10:34	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 10:34	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 10:34	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 10:34	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 10:34	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 10:34	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 10:34	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 10:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 10:34	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 10:34	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 10:34	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-488016/7
Matrix: Water
Analysis Batch: 488016

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			05/31/19 10:34	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			05/31/19 10:34	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 10:34	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 10:34	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 10:34	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 10:34	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 10:34	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 10:34	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 10:34	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 10:34	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 10:34	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 10:34	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 10:34	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 10:34	1
Naphthalene	<1.0		1.0	0.34	ug/L			05/31/19 10:34	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/31/19 10:34*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*05/31/19 10:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/31/19 10:34*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/31/19 10:34*	*1*

Lab Sample ID: LCS 500-488016/5
Matrix: Water
Analysis Batch: 488016

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	50.4		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	45.7		ug/L		91	40 - 159
Chloromethane	50.0	43.2		ug/L		86	56 - 152
Vinyl chloride	50.0	45.4		ug/L		91	64 - 126
Bromomethane	50.0	44.5		ug/L		89	40 - 152
Chloroethane	50.0	49.8		ug/L		100	48 - 136
Trichlorofluoromethane	50.0	47.7		ug/L		95	55 - 128
1,1-Dichloroethene	50.0	53.1		ug/L		106	67 - 122
Carbon disulfide	50.0	53.1		ug/L		106	66 - 120
Acetone	50.0	35.7		ug/L		71	40 - 143
Methylene Chloride	50.0	52.8		ug/L		106	69 - 125
trans-1,2-Dichloroethene	50.0	53.4		ug/L		107	70 - 125
1,1-Dichloroethane	50.0	51.7		ug/L		103	70 - 125
2,2-Dichloropropane	50.0	54.8		ug/L		110	58 - 139
cis-1,2-Dichloroethene	50.0	51.9		ug/L		104	70 - 125
Methyl Ethyl Ketone	50.0	32.5		ug/L		65	46 - 144
Bromochloromethane	50.0	51.5		ug/L		103	65 - 122
Chloroform	50.0	49.8		ug/L		100	70 - 120
1,1,1-Trichloroethane	50.0	52.4		ug/L		105	70 - 125
1,1-Dichloropropene	50.0	52.6		ug/L		105	70 - 121

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-488016/5
Matrix: Water
Analysis Batch: 488016

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	54.1		ug/L		108	59 - 133
1,2-Dichloroethane	50.0	49.1		ug/L		98	68 - 127
Trichloroethene	50.0	51.5		ug/L		103	70 - 125
1,2-Dichloropropane	50.0	51.0		ug/L		102	67 - 130
Dibromomethane	50.0	49.5		ug/L		99	70 - 120
Bromodichloromethane	50.0	49.2		ug/L		98	69 - 120
cis-1,3-Dichloropropene	50.0	49.7		ug/L		99	64 - 127
methyl isobutyl ketone	50.0	36.9		ug/L		74	55 - 139
Toluene	50.0	49.7		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	48.5		ug/L		97	62 - 128
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	71 - 130
Tetrachloroethene	50.0	53.9		ug/L		108	70 - 128
1,3-Dichloropropane	50.0	49.4		ug/L		99	62 - 136
2-Hexanone	50.0	36.3		ug/L		73	54 - 146
Dibromochloromethane	50.0	48.5		ug/L		97	68 - 125
1,2-Dibromoethane	50.0	49.2		ug/L		98	70 - 125
Chlorobenzene	50.0	51.9		ug/L		104	70 - 120
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	70 - 125
Ethylbenzene	50.0	51.8		ug/L		104	70 - 123
m&p-Xylene	50.0	49.2		ug/L		98	70 - 125
o-Xylene	50.0	49.5		ug/L		99	70 - 120
Styrene	50.0	49.8		ug/L		100	70 - 120
Bromoform	50.0	45.7		ug/L		91	56 - 132
Isopropylbenzene	50.0	53.9		ug/L		108	70 - 126
Bromobenzene	50.0	53.2		ug/L		106	70 - 122
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/L		97	62 - 140
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	50 - 133
N-Propylbenzene	50.0	54.2		ug/L		108	69 - 127
2-Chlorotoluene	50.0	52.5		ug/L		105	70 - 125
1,3,5-Trimethylbenzene	50.0	53.6		ug/L		107	70 - 123
4-Chlorotoluene	50.0	52.6		ug/L		105	68 - 124
tert-Butylbenzene	50.0	54.0		ug/L		108	70 - 121
1,2,4-Trimethylbenzene	50.0	52.5		ug/L		105	70 - 123
sec-Butylbenzene	50.0	53.8		ug/L		108	70 - 123
1,3-Dichlorobenzene	50.0	52.9		ug/L		106	70 - 125
p-Isopropyltoluene	50.0	54.1		ug/L		108	70 - 125
1,4-Dichlorobenzene	50.0	52.4		ug/L		105	70 - 120
n-Butylbenzene	50.0	53.4		ug/L		107	68 - 125
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	47.3		ug/L		95	56 - 123
1,2,4-Trichlorobenzene	50.0	51.4		ug/L		103	57 - 137
Hexachlorobutadiene	50.0	54.2		ug/L		108	51 - 150
Naphthalene	50.0	46.4		ug/L		93	53 - 144
1,2,3-Trichlorobenzene	50.0	49.4		ug/L		99	51 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
Toluene-d8 (Surr)	*102*		*75 - 120*

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-488016/5
Matrix: Water
Analysis Batch: 488016

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane	100		75 - 120

Lab Sample ID: MB 500-488035/6
Matrix: Water
Analysis Batch: 488035

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			05/31/19 10:36	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 10:36	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 10:36	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 10:36	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 10:36	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 10:36	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 10:36	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 10:36	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 10:36	1
Acetone	<10		10	1.7	ug/L			05/31/19 10:36	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			05/31/19 10:36	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 10:36	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 10:36	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 10:36	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 10:36	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 10:36	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 10:36	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 10:36	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 10:36	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 10:36	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 10:36	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 10:36	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 10:36	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 10:36	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 10:36	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 10:36	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 10:36	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 10:36	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 10:36	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 10:36	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 10:36	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 10:36	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 10:36	1
2-Hexanone	<5.0		5.0	1.6	ug/L			05/31/19 10:36	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 10:36	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 10:36	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 10:36	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 10:36	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 10:36	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 10:36	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-488035/6
Matrix: Water
Analysis Batch: 488035

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 10:36	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 10:36	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 10:36	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 10:36	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 10:36	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 10:36	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 10:36	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 10:36	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 10:36	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			05/31/19 10:36	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 10:36	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 10:36	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 10:36	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 10:36	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 10:36	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 10:36	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 10:36	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 10:36	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 10:36	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 10:36	1
1,2,4-Trichlorobenzene	0.359	J	1.0	0.34	ug/L			05/31/19 10:36	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 10:36	1
Naphthalene	0.350	J	1.0	0.34	ug/L			05/31/19 10:36	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*05/31/19 10:36*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/31/19 10:36*	*1*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*05/31/19 10:36*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*05/31/19 10:36*	*1*

Lab Sample ID: LCS 500-488035/4
Matrix: Water
Analysis Batch: 488035

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	47.8		ug/L		96	70 - 120
Dichlorodifluoromethane	50.0	39.4		ug/L		79	40 - 159
Chloromethane	50.0	41.2		ug/L		82	56 - 152
Vinyl chloride	50.0	41.5		ug/L		83	64 - 126
Bromomethane	50.0	31.6		ug/L		63	40 - 152
Chloroethane	50.0	40.8		ug/L		82	48 - 136
Trichlorofluoromethane	50.0	47.6		ug/L		95	55 - 128
1,1-Dichloroethene	50.0	50.7		ug/L		101	67 - 122
Carbon disulfide	50.0	47.8		ug/L		96	66 - 120
Acetone	50.0	47.6		ug/L		95	40 - 143
Methylene Chloride	50.0	51.0		ug/L		102	69 - 125
trans-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 125

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-488035/4
Matrix: Water
Analysis Batch: 488035

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	47.8		ug/L		96	70 - 125
2,2-Dichloropropane	50.0	42.6		ug/L		85	58 - 139
cis-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 125
Methyl Ethyl Ketone	50.0	41.7		ug/L		83	46 - 144
Bromochloromethane	50.0	53.6		ug/L		107	65 - 122
Chloroform	50.0	49.4		ug/L		99	70 - 120
1,1,1-Trichloroethane	50.0	51.9		ug/L		104	70 - 125
1,1-Dichloropropene	50.0	49.6		ug/L		99	70 - 121
Carbon tetrachloride	50.0	54.0		ug/L		108	59 - 133
1,2-Dichloroethane	50.0	50.3		ug/L		101	68 - 127
Trichloroethene	50.0	52.0		ug/L		104	70 - 125
1,2-Dichloropropane	50.0	49.5		ug/L		99	67 - 130
Dibromomethane	50.0	50.4		ug/L		101	70 - 120
Bromodichloromethane	50.0	51.8		ug/L		104	69 - 120
cis-1,3-Dichloropropene	50.0	48.5		ug/L		97	64 - 127
methyl isobutyl ketone	50.0	38.0		ug/L		76	55 - 139
Toluene	50.0	50.0		ug/L		100	70 - 125
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	62 - 128
1,1,2-Trichloroethane	50.0	52.3		ug/L		105	71 - 130
Tetrachloroethene	50.0	50.4		ug/L		101	70 - 128
1,3-Dichloropropane	50.0	51.4		ug/L		103	62 - 136
2-Hexanone	50.0	37.8		ug/L		76	54 - 146
Dibromochloromethane	50.0	56.6		ug/L		113	68 - 125
1,2-Dibromoethane	50.0	54.1		ug/L		108	70 - 125
Chlorobenzene	50.0	52.5		ug/L		105	70 - 120
1,1,1,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 125
Ethylbenzene	50.0	54.5		ug/L		109	70 - 123
m&p-Xylene	50.0	52.2		ug/L		104	70 - 125
o-Xylene	50.0	52.7		ug/L		105	70 - 120
Styrene	50.0	50.5		ug/L		101	70 - 120
Bromoform	50.0	53.8		ug/L		108	56 - 132
Isopropylbenzene	50.0	51.7		ug/L		103	70 - 126
Bromobenzene	50.0	50.6		ug/L		101	70 - 122
1,1,2,2-Tetrachloroethane	50.0	50.8		ug/L		102	62 - 140
1,2,3-Trichloropropane	50.0	59.7		ug/L		119	50 - 133
N-Propylbenzene	50.0	50.7		ug/L		101	69 - 127
2-Chlorotoluene	50.0	51.9		ug/L		104	70 - 125
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 123
4-Chlorotoluene	50.0	51.3		ug/L		103	68 - 124
tert-Butylbenzene	50.0	53.6		ug/L		107	70 - 121
1,2,4-Trimethylbenzene	50.0	52.8		ug/L		106	70 - 123
sec-Butylbenzene	50.0	51.9		ug/L		104	70 - 123
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 125
p-Isopropyltoluene	50.0	53.7		ug/L		107	70 - 125
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 120
n-Butylbenzene	50.0	50.7		ug/L		101	68 - 125
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	59.4		ug/L		119	56 - 123
1,2,4-Trichlorobenzene	50.0	48.5		ug/L		97	57 - 137

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-488035/4
Matrix: Water
Analysis Batch: 488035

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	50.0	48.1		ug/L		96	51 - 150
Naphthalene	50.0	52.8		ug/L		106	53 - 144
1,2,3-Trichlorobenzene	50.0	50.8		ug/L		102	51 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*

Lab Sample ID: MB 500-488118/6
Matrix: Water
Analysis Batch: 488118

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			05/31/19 13:20	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			05/31/19 13:20	1
Chloromethane	<1.0		1.0	0.32	ug/L			05/31/19 13:20	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			05/31/19 13:20	1
Bromomethane	<3.0		3.0	0.80	ug/L			05/31/19 13:20	1
Chloroethane	<1.0		1.0	0.51	ug/L			05/31/19 13:20	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			05/31/19 13:20	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			05/31/19 13:20	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			05/31/19 13:20	1
Acetone	<10		10	1.7	ug/L			05/31/19 13:20	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			05/31/19 13:20	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			05/31/19 13:20	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			05/31/19 13:20	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			05/31/19 13:20	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			05/31/19 13:20	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			05/31/19 13:20	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			05/31/19 13:20	1
Chloroform	<2.0		2.0	0.37	ug/L			05/31/19 13:20	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			05/31/19 13:20	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			05/31/19 13:20	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			05/31/19 13:20	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			05/31/19 13:20	1
Trichloroethene	<0.50		0.50	0.16	ug/L			05/31/19 13:20	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			05/31/19 13:20	1
Dibromomethane	<1.0		1.0	0.27	ug/L			05/31/19 13:20	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			05/31/19 13:20	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			05/31/19 13:20	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			05/31/19 13:20	1
Toluene	<0.50		0.50	0.15	ug/L			05/31/19 13:20	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			05/31/19 13:20	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			05/31/19 13:20	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			05/31/19 13:20	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			05/31/19 13:20	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-488118/6
Matrix: Water
Analysis Batch: 488118

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			05/31/19 13:20	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			05/31/19 13:20	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			05/31/19 13:20	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			05/31/19 13:20	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			05/31/19 13:20	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			05/31/19 13:20	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			05/31/19 13:20	1
o-Xylene	<0.50		0.50	0.22	ug/L			05/31/19 13:20	1
Styrene	<1.0		1.0	0.39	ug/L			05/31/19 13:20	1
Bromoform	<1.0		1.0	0.48	ug/L			05/31/19 13:20	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 13:20	1
Bromobenzene	<1.0		1.0	0.36	ug/L			05/31/19 13:20	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			05/31/19 13:20	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			05/31/19 13:20	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			05/31/19 13:20	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			05/31/19 13:20	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			05/31/19 13:20	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			05/31/19 13:20	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 13:20	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			05/31/19 13:20	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			05/31/19 13:20	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			05/31/19 13:20	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			05/31/19 13:20	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			05/31/19 13:20	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			05/31/19 13:20	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			05/31/19 13:20	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			05/31/19 13:20	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			05/31/19 13:20	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			05/31/19 13:20	1
Naphthalene	0.439	J	1.0	0.34	ug/L			05/31/19 13:20	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			05/31/19 13:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/31/19 13:20*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/19 13:20*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*05/31/19 13:20*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*05/31/19 13:20*	*1*

Lab Sample ID: LCS 500-488118/4
Matrix: Water
Analysis Batch: 488118

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	50.7		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	45.0		ug/L		90	40 - 159
Chloromethane	50.0	46.7		ug/L		93	56 - 152
Vinyl chloride	50.0	41.9		ug/L		84	64 - 126
Bromomethane	50.0	51.0		ug/L		102	40 - 152

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-488118/4
Matrix: Water
Analysis Batch: 488118

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	50.8		ug/L		102	48 - 136
Trichlorofluoromethane	50.0	49.3		ug/L		99	55 - 128
1,1-Dichloroethene	50.0	53.2		ug/L		106	67 - 122
Carbon disulfide	50.0	51.2		ug/L		102	66 - 120
Acetone	50.0	33.2		ug/L		66	40 - 143
Methylene Chloride	50.0	53.4		ug/L		107	69 - 125
trans-1,2-Dichloroethene	50.0	53.1		ug/L		106	70 - 125
1,1-Dichloroethane	50.0	50.8		ug/L		102	70 - 125
2,2-Dichloropropane	50.0	50.5		ug/L		101	58 - 139
cis-1,2-Dichloroethene	50.0	54.2		ug/L		108	70 - 125
Methyl Ethyl Ketone	50.0	30.8		ug/L		62	46 - 144
Bromochloromethane	50.0	56.1		ug/L		112	65 - 122
Chloroform	50.0	50.6		ug/L		101	70 - 120
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	70 - 125
1,1-Dichloropropene	50.0	50.5		ug/L		101	70 - 121
Carbon tetrachloride	50.0	60.1		ug/L		120	59 - 133
1,2-Dichloroethane	50.0	51.7		ug/L		103	68 - 127
Trichloroethene	50.0	55.7		ug/L		111	70 - 125
1,2-Dichloropropane	50.0	52.4		ug/L		105	67 - 130
Dibromomethane	50.0	53.5		ug/L		107	70 - 120
Bromodichloromethane	50.0	54.5		ug/L		109	69 - 120
cis-1,3-Dichloropropene	50.0	49.5		ug/L		99	64 - 127
methyl isobutyl ketone	50.0	36.5		ug/L		73	55 - 139
Toluene	50.0	49.2		ug/L		98	70 - 125
trans-1,3-Dichloropropene	50.0	50.2		ug/L		100	62 - 128
1,1,2-Trichloroethane	50.0	50.7		ug/L		101	71 - 130
Tetrachloroethene	50.0	53.7		ug/L		107	70 - 128
1,3-Dichloropropane	50.0	49.2		ug/L		98	62 - 136
2-Hexanone	50.0	35.8		ug/L		72	54 - 146
Dibromochloromethane	50.0	58.9		ug/L		118	68 - 125
1,2-Dibromoethane	50.0	51.1		ug/L		102	70 - 125
Chlorobenzene	50.0	51.4		ug/L		103	70 - 120
1,1,1,2-Tetrachloroethane	50.0	57.6		ug/L		115	70 - 125
Ethylbenzene	50.0	52.4		ug/L		105	70 - 123
m&p-Xylene	50.0	51.5		ug/L		103	70 - 125
o-Xylene	50.0	51.7		ug/L		103	70 - 120
Styrene	50.0	52.5		ug/L		105	70 - 120
Bromoform	50.0	64.5		ug/L		129	56 - 132
Isopropylbenzene	50.0	50.3		ug/L		101	70 - 126
Bromobenzene	50.0	52.1		ug/L		104	70 - 122
1,1,2,2-Tetrachloroethane	50.0	48.2		ug/L		96	62 - 140
1,2,3-Trichloropropane	50.0	51.2		ug/L		102	50 - 133
N-Propylbenzene	50.0	49.5		ug/L		99	69 - 127
2-Chlorotoluene	50.0	49.7		ug/L		99	70 - 125
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
4-Chlorotoluene	50.0	49.6		ug/L		99	68 - 124
tert-Butylbenzene	50.0	47.2		ug/L		94	70 - 121
1,2,4-Trimethylbenzene	50.0	48.9		ug/L		98	70 - 123
sec-Butylbenzene	50.0	49.7		ug/L		99	70 - 123

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-488118/4
Matrix: Water
Analysis Batch: 488118

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	51.5		ug/L		103	70 - 125
p-Isopropyltoluene	50.0	48.2		ug/L		96	70 - 125
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 120
n-Butylbenzene	50.0	48.2		ug/L		96	68 - 125
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/L		99	56 - 123
1,2,4-Trichlorobenzene	50.0	46.6		ug/L		93	57 - 137
Hexachlorobutadiene	50.0	42.2		ug/L		84	51 - 150
Naphthalene	50.0	47.4		ug/L		95	53 - 144
1,2,3-Trichlorobenzene	50.0	46.2		ug/L		92	51 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*95*		*75 - 120*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*108*		*75 - 120*

Lab Sample ID: 500-163793-19 MS
Matrix: Water
Analysis Batch: 488118

Client Sample ID: EW-4
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	51.4		ug/L		103	70 - 120
Dichlorodifluoromethane	<3.0		50.0	44.7		ug/L		89	40 - 159
Chloromethane	<1.0		50.0	45.0		ug/L		90	56 - 152
Vinyl chloride	<1.0		50.0	44.4		ug/L		89	64 - 126
Bromomethane	<3.0		50.0	59.5		ug/L		119	40 - 152
Chloroethane	<1.0		50.0	61.6		ug/L		123	48 - 136
Trichlorofluoromethane	<1.0		50.0	51.4		ug/L		103	55 - 128
1,1-Dichloroethene	<1.0		50.0	52.9		ug/L		106	67 - 122
Carbon disulfide	<2.0		50.0	51.3		ug/L		103	66 - 120
Acetone	<10		50.0	33.8		ug/L		68	40 - 143
Methylene Chloride	2.1	J	50.0	55.9		ug/L		108	69 - 125
trans-1,2-Dichloroethene	<1.0		50.0	53.9		ug/L		108	70 - 125
1,1-Dichloroethane	<1.0		50.0	51.8		ug/L		104	70 - 125
2,2-Dichloropropane	<1.0		50.0	48.8		ug/L		98	58 - 139
cis-1,2-Dichloroethene	<1.0		50.0	54.3		ug/L		109	70 - 125
Methyl Ethyl Ketone	<5.0		50.0	30.5		ug/L		61	46 - 144
Bromochloromethane	<1.0		50.0	58.3		ug/L		117	65 - 122
Chloroform	<2.0		50.0	51.3		ug/L		103	70 - 120
1,1,1-Trichloroethane	<1.0		50.0	52.7		ug/L		105	70 - 125
1,1-Dichloropropene	<1.0		50.0	49.6		ug/L		99	70 - 121
Carbon tetrachloride	<1.0		50.0	60.8		ug/L		122	59 - 133
1,2-Dichloroethane	<1.0		50.0	52.7		ug/L		105	68 - 127
Trichloroethene	160		50.0	207	E	ug/L		104	70 - 125
1,2-Dichloropropane	<1.0		50.0	52.7		ug/L		105	67 - 130
Dibromomethane	<1.0		50.0	55.1		ug/L		110	70 - 120
Bromodichloromethane	<1.0		50.0	55.3		ug/L		111	69 - 120

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-163793-19 MS
Matrix: Water
Analysis Batch: 488118

Client Sample ID: EW-4
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	47.0		ug/L		94	64 - 127
methyl isobutyl ketone	<5.0		50.0	36.6		ug/L		73	55 - 139
Toluene	<0.50		50.0	46.9		ug/L		94	70 - 125
trans-1,3-Dichloropropene	<1.0		50.0	48.4		ug/L		97	62 - 128
1,1,2-Trichloroethane	<1.0		50.0	49.8		ug/L		100	71 - 130
Tetrachloroethene	<1.0		50.0	53.5		ug/L		107	70 - 128
1,3-Dichloropropane	<1.0		50.0	48.6		ug/L		97	62 - 136
2-Hexanone	<5.0		50.0	35.2		ug/L		70	54 - 146
Dibromochloromethane	<1.0		50.0	59.6		ug/L		119	68 - 125
1,2-Dibromoethane	<1.0		50.0	51.4		ug/L		103	70 - 125
Chlorobenzene	<1.0		50.0	48.9		ug/L		98	70 - 120
1,1,1,2-Tetrachloroethane	<1.0		50.0	56.6		ug/L		113	70 - 125
Ethylbenzene	<0.50		50.0	50.4		ug/L		101	70 - 123
m&p-Xylene	<1.0		50.0	49.7		ug/L		99	70 - 125
o-Xylene	<0.50		50.0	49.6		ug/L		99	70 - 120
Styrene	<1.0		50.0	51.9		ug/L		104	70 - 120
Bromoform	<1.0	F1	50.0	66.7	F1	ug/L		133	56 - 132
Isopropylbenzene	<1.0		50.0	47.1		ug/L		94	70 - 126
Bromobenzene	<1.0		50.0	50.6		ug/L		101	70 - 122
1,1,2,2-Tetrachloroethane	<1.0		50.0	49.2		ug/L		98	62 - 140
1,2,3-Trichloropropane	<2.0		50.0	52.5		ug/L		105	50 - 133
N-Propylbenzene	<1.0		50.0	46.1		ug/L		92	69 - 127
2-Chlorotoluene	<1.0		50.0	47.7		ug/L		95	70 - 125
1,3,5-Trimethylbenzene	<1.0		50.0	46.7		ug/L		93	70 - 123
4-Chlorotoluene	<1.0		50.0	47.0		ug/L		94	68 - 124
tert-Butylbenzene	<1.0		50.0	44.1		ug/L		88	70 - 121
1,2,4-Trimethylbenzene	<1.0		50.0	46.9		ug/L		94	70 - 123
sec-Butylbenzene	<1.0		50.0	46.3		ug/L		93	70 - 123
1,3-Dichlorobenzene	<1.0		50.0	49.0		ug/L		98	70 - 125
p-Isopropyltoluene	<1.0		50.0	45.2		ug/L		90	70 - 125
1,4-Dichlorobenzene	<1.0		50.0	48.9		ug/L		98	70 - 120
n-Butylbenzene	<1.0		50.0	44.6		ug/L		89	68 - 125
1,2-Dichlorobenzene	<1.0		50.0	49.6		ug/L		99	70 - 125
1,2-Dibromo-3-Chloropropane	<5.0		50.0	52.7		ug/L		105	56 - 123
1,2,4-Trichlorobenzene	<1.0		50.0	43.8		ug/L		88	57 - 137
Hexachlorobutadiene	<1.0		50.0	40.4		ug/L		81	51 - 150
Naphthalene	<1.0		50.0	47.8		ug/L		96	53 - 144
1,2,3-Trichlorobenzene	<1.0		50.0	45.1		ug/L		90	51 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane	*111*		*75 - 120*

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-163793-19 MSD
Matrix: Water
Analysis Batch: 488118

Client Sample ID: EW-4
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	51.9		ug/L		104	70 - 120	1	20
Dichlorodifluoromethane	<3.0		50.0	40.4		ug/L		81	40 - 159	10	20
Chloromethane	<1.0		50.0	45.8		ug/L		92	56 - 152	2	20
Vinyl chloride	<1.0		50.0	42.5		ug/L		85	64 - 126	4	20
Bromomethane	<3.0		50.0	57.7		ug/L		115	40 - 152	3	20
Chloroethane	<1.0		50.0	58.6		ug/L		117	48 - 136	5	20
Trichlorofluoromethane	<1.0		50.0	48.3		ug/L		97	55 - 128	6	20
1,1-Dichloroethene	<1.0		50.0	53.6		ug/L		107	67 - 122	1	20
Carbon disulfide	<2.0		50.0	52.5		ug/L		105	66 - 120	2	20
Acetone	<10		50.0	39.2		ug/L		78	40 - 143	15	20
Methylene Chloride	2.1	J	50.0	56.6		ug/L		109	69 - 125	1	20
trans-1,2-Dichloroethene	<1.0		50.0	53.8		ug/L		108	70 - 125	0	20
1,1-Dichloroethane	<1.0		50.0	52.9		ug/L		106	70 - 125	2	20
2,2-Dichloropropane	<1.0		50.0	49.9		ug/L		100	58 - 139	2	20
cis-1,2-Dichloroethene	<1.0		50.0	55.1		ug/L		110	70 - 125	2	20
Methyl Ethyl Ketone	<5.0		50.0	30.4		ug/L		61	46 - 144	0	20
Bromochloromethane	<1.0		50.0	61.0		ug/L		122	65 - 122	5	20
Chloroform	<2.0		50.0	53.1		ug/L		106	70 - 120	3	20
1,1,1-Trichloroethane	<1.0		50.0	53.4		ug/L		107	70 - 125	1	20
1,1-Dichloropropene	<1.0		50.0	50.1		ug/L		100	70 - 121	1	20
Carbon tetrachloride	<1.0		50.0	60.9		ug/L		122	59 - 133	0	20
1,2-Dichloroethane	<1.0		50.0	54.2		ug/L		108	68 - 127	3	20
Trichloroethene	160		50.0	205	E	ug/L		101	70 - 125	1	20
1,2-Dichloropropane	<1.0		50.0	52.1		ug/L		104	67 - 130	1	20
Dibromomethane	<1.0		50.0	57.4		ug/L		115	70 - 120	4	20
Bromodichloromethane	<1.0		50.0	57.9		ug/L		116	69 - 120	5	20
cis-1,3-Dichloropropene	<1.0		50.0	49.7		ug/L		99	64 - 127	6	20
methyl isobutyl ketone	<5.0		50.0	38.2		ug/L		76	55 - 139	4	20
Toluene	<0.50		50.0	48.1		ug/L		96	70 - 125	2	20
trans-1,3-Dichloropropene	<1.0		50.0	50.5		ug/L		101	62 - 128	4	20
1,1,2-Trichloroethane	<1.0		50.0	53.1		ug/L		106	71 - 130	6	20
Tetrachloroethene	<1.0		50.0	54.0		ug/L		108	70 - 128	1	20
1,3-Dichloropropane	<1.0		50.0	51.2		ug/L		102	62 - 136	5	20
2-Hexanone	<5.0		50.0	36.2		ug/L		72	54 - 146	3	20
Dibromochloromethane	<1.0		50.0	61.8		ug/L		124	68 - 125	4	20
1,2-Dibromoethane	<1.0		50.0	53.3		ug/L		107	70 - 125	4	20
Chlorobenzene	<1.0		50.0	50.8		ug/L		102	70 - 120	4	20
1,1,1,2-Tetrachloroethane	<1.0		50.0	59.0		ug/L		118	70 - 125	4	20
Ethylbenzene	<0.50		50.0	52.4		ug/L		105	70 - 123	4	20
m&p-Xylene	<1.0		50.0	50.8		ug/L		102	70 - 125	2	20
o-Xylene	<0.50		50.0	50.6		ug/L		101	70 - 120	2	20
Styrene	<1.0		50.0	52.4		ug/L		105	70 - 120	1	20
Bromoform	<1.0	F1	50.0	67.7	F1	ug/L		135	56 - 132	2	20
Isopropylbenzene	<1.0		50.0	48.5		ug/L		97	70 - 126	3	20
Bromobenzene	<1.0		50.0	53.0		ug/L		106	70 - 122	5	20
1,1,2,2-Tetrachloroethane	<1.0		50.0	51.5		ug/L		103	62 - 140	5	20
1,2,3-Trichloropropane	<2.0		50.0	54.3		ug/L		109	50 - 133	3	20
N-Propylbenzene	<1.0		50.0	47.0		ug/L		94	69 - 127	2	20

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-163793-19 MSD
Matrix: Water
Analysis Batch: 488118

Client Sample ID: EW-4
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	49.0		ug/L		98	70 - 125	3	20
1,3,5-Trimethylbenzene	<1.0		50.0	48.0		ug/L		96	70 - 123	3	20
4-Chlorotoluene	<1.0		50.0	48.0		ug/L		96	68 - 124	2	20
tert-Butylbenzene	<1.0		50.0	45.6		ug/L		91	70 - 121	3	20
1,2,4-Trimethylbenzene	<1.0		50.0	47.5		ug/L		95	70 - 123	1	20
sec-Butylbenzene	<1.0		50.0	46.9		ug/L		94	70 - 123	1	20
1,3-Dichlorobenzene	<1.0		50.0	50.4		ug/L		101	70 - 125	3	20
p-Isopropyltoluene	<1.0		50.0	45.2		ug/L		90	70 - 125	0	20
1,4-Dichlorobenzene	<1.0		50.0	49.8		ug/L		100	70 - 120	2	20
n-Butylbenzene	<1.0		50.0	44.5		ug/L		89	68 - 125	0	20
1,2-Dichlorobenzene	<1.0		50.0	50.5		ug/L		101	70 - 125	2	20
1,2-Dibromo-3-Chloropropane	<5.0		50.0	51.4		ug/L		103	56 - 123	2	20
1,2,4-Trichlorobenzene	<1.0		50.0	44.0		ug/L		88	57 - 137	0	20
Hexachlorobutadiene	<1.0		50.0	40.7		ug/L		81	51 - 150	1	20
Naphthalene	<1.0		50.0	49.8		ug/L		100	53 - 144	4	20
1,2,3-Trichlorobenzene	<1.0		50.0	45.2		ug/L		90	51 - 145	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*91*		*75 - 120*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane	*109*		*75 - 120*

Lab Chronicle

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

Job ID: 500-163793-1

Client Sample ID: RFW-1A
Date Collected: 05/19/19 07:40
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 13:59	JDD	TAL CHI

Client Sample ID: RFW-1B
Date Collected: 05/19/19 07:30
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 14:50	JDD	TAL CHI

Client Sample ID: RFW-2A
Date Collected: 05/19/19 10:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 15:15	JDD	TAL CHI

Client Sample ID: RFW-2B
Date Collected: 05/19/19 10:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 15:41	JDD	TAL CHI

Client Sample ID: RFW-3B
Date Collected: 05/19/19 13:50
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 16:06	JDD	TAL CHI

Client Sample ID: RFW-4A
Date Collected: 05/20/19 11:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488035	05/31/19 16:36	JDD	TAL CHI

Client Sample ID: RFW-4A Dup
Date Collected: 05/20/19 11:15
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488035	05/31/19 17:04	JDD	TAL CHI

Client Sample ID: RFW-4B
Date Collected: 05/20/19 12:05
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488035	05/31/19 17:32	JDD	TAL CHI

Client Sample ID: RFW-6
Date Collected: 05/19/19 15:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 16:32	JDD	TAL CHI

Client Sample ID: RFW-7
Date Collected: 05/19/19 12:00
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 16:57	JDD	TAL CHI

Client Sample ID: RFW-9
Date Collected: 05/21/19 08:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488035	05/31/19 18:00	JDD	TAL CHI

Client Sample ID: RFW-11B
Date Collected: 05/21/19 09:50
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488035	05/31/19 18:27	JDD	TAL CHI

Client Sample ID: RFW-12B
Date Collected: 05/21/19 13:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 19:25	JDD	TAL CHI

Client Sample ID: RFW-13
Date Collected: 05/19/19 16:40
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 17:23	JDD	TAL CHI

Client Sample ID: RFW-17

Lab Sample ID: 500-163793-15

Date Collected: 05/19/19 15:05

Matrix: Water

Date Received: 05/22/19 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 17:48	JDD	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-163793-16

Date Collected: 05/19/19 07:00

Matrix: Water

Date Received: 05/22/19 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488016	05/31/19 18:14	JDD	TAL CHI

Client Sample ID: EW-2

Lab Sample ID: 500-163793-17

Date Collected: 05/21/19 12:45

Matrix: Water

Date Received: 05/22/19 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 19:51	JDD	TAL CHI

Client Sample ID: EW-3

Lab Sample ID: 500-163793-18

Date Collected: 05/21/19 12:30

Matrix: Water

Date Received: 05/22/19 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 20:17	JDD	TAL CHI

Client Sample ID: EW-4

Lab Sample ID: 500-163793-19

Date Collected: 05/21/19 12:15

Matrix: Water

Date Received: 05/22/19 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 20:42	JDD	TAL CHI

Client Sample ID: EW-5

Lab Sample ID: 500-163793-20

Date Collected: 05/19/19 14:05

Matrix: Water

Date Received: 05/22/19 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 16:22	JDD	TAL CHI

Client Sample ID: EW-6

Lab Sample ID: 500-163793-21

Date Collected: 05/19/19 12:20

Matrix: Water

Date Received: 05/22/19 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 16:48	JDD	TAL CHI

Lab Chronicle

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

Job ID: 500-163793-1

Client Sample ID: EW-7

Date Collected: 05/19/19 12:25
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 17:14	JDD	TAL CHI

Client Sample ID: EW-8

Date Collected: 05/19/19 12:35
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 17:40	JDD	TAL CHI

Client Sample ID: EW-9

Date Collected: 05/19/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 18:07	JDD	TAL CHI

Client Sample ID: EW-9 Dup

Date Collected: 05/19/19 12:45
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 18:33	JDD	TAL CHI

Client Sample ID: EW-10

Date Collected: 05/19/19 12:55
Date Received: 05/22/19 10:10

Lab Sample ID: 500-163793-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488118	05/31/19 18:59	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: 500-163793-1

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

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* 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

(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 #: 500-163793
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 4.9

Client: Western Solution
Client Project #: 02501.005
Project Name: Black + Decker
Project Location/State: Hamstead, MD
Lab Project #:
Sampler: Greg Flasinski
Lab PM: Dirk Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter	Comments
1		RFW-1A	5/19/19	1340	3	W	VOA		
2		RFW-1B		730					
3		RFW-2A		1045					
4		RFW-2B		1055					
5		RFW-3B		1350					
6		RFW-4A	5/20/19	1115					
7		RFW-4A Dup		1115					
8		RFW-4B		1205					
9		RFW-6	5/19/19	1555					
10		RFW-7		1200					

500-163793 COC

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Western	5/21/19	1630	Mimi Fioravanti	TAHE	05/22/19	1010
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: FX Priority
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-163793

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler: 4.9

Client | Client Project #

Project Name: Black + Decker

Project Location/State | Lab Project #

Sampler | Lab PM

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	Parameter: VOA	Comments
11		RFW-9	5/21/19	855	3	W	X	
12		RFW-11B		950			X	
13		RFW-12B		1345			X	
14		RFW-13	5/19/19	1640			X	
15		RFW-17		1505			X	
16		Trip Blank	5/19/19	700	2		X	

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	5/21/19	1630	Anil Fioravanti	TACHE	05/22/19	1010
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: FX Priority
Hand Delivered:

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

Client Comments:

Lab Comments:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

Chain of Custody Record

Lab Job #: 500-163793
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 4.9

Client: Black + Decker
Client Project #:
Project Name:
Project Location/State:
Lab Project #:
Sampler:
Lab PM:

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	VOA (Parameter)	Comments
17		EW-2	5/21/19	1245	3	W		
18		EW-3		1230				
19		EW-4		1215				
20		EW-5	5/19/19	1405				
21		EW-6		1220				
22		EW-7		1225				
23		EW-8		1235				
24		EW-9		1245				
25		EW-9 Dup		1245				
26		EW-10		1255				

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	5/21/19	1600	[signature] Fioravanti	TALLE	05/22/19	1010

Lab Courier:
Shipped: Fx Priority
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-163793-1

Login Number: 163793
List Number: 1
Creator: Fioravanti, Ariel 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	4.9
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.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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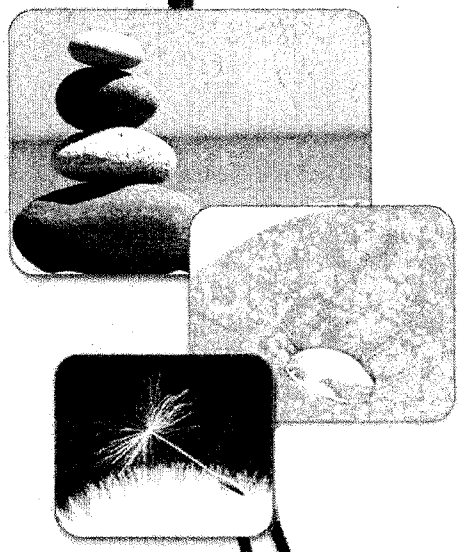

ANALYTICAL REPORT

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

Laboratory Job ID: 680-169402-1
Client Project/Site: Black & Decker

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

Attn: Greg Flasinski

Authorized for release by:
6/4/2019 5:07:47 PM

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

Job ID: 680-169402-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

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

Report Number: 680-169402-1

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 05/22/2019; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.7° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples RFW-20 (680-169402-1), RFW-21 (680-169402-2), HAMP-22 (680-169402-3), HAMP-23 (680-169402-4) and Trip Blank (680-169402-5) were analyzed for Volatile organic Compounds (GC-MS) in accordance with EPA Method 524.2. The samples were analyzed on 05/30/2019.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-572107 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-572107.

Sample Summary

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

Job ID: 680-169402-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-169402-1	RFW-20	Water	05/19/19 09:05	05/22/19 09:10	
680-169402-2	RFW-21	Water	05/19/19 08:15	05/22/19 09:10	
680-169402-3	HAMP-22	Water	05/21/19 09:10	05/22/19 09:10	
680-169402-4	HAMP-23	Water	05/21/19 09:15	05/22/19 09:10	
680-169402-5	Trip Blank	Water	05/19/19 07:00	05/22/19 09:10	

Method Summary

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

Job ID: 680-169402-1

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

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Glossary

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

Client Sample ID: RFW-20

Date Collected: 05/19/19 09:05
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			05/30/19 05:50	1
Benzene	<0.50		0.50	0.082	ug/L			05/30/19 05:50	1
Bromobenzene	<0.50		0.50	0.091	ug/L			05/30/19 05:50	1
Bromoform	<0.50		0.50	0.17	ug/L			05/30/19 05:50	1
Bromomethane	<1.0	*	1.0	0.20	ug/L			05/30/19 05:50	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			05/30/19 05:50	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 05:50	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			05/30/19 05:50	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			05/30/19 05:50	1
Chloroethane	<1.0		1.0	0.22	ug/L			05/30/19 05:50	1
Chloroform	<0.50		0.50	0.20	ug/L			05/30/19 05:50	1
Chloromethane	<0.50		0.50	0.15	ug/L			05/30/19 05:50	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			05/30/19 05:50	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			05/30/19 05:50	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 05:50	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			05/30/19 05:50	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			05/30/19 05:50	1
Dibromomethane	<0.50		0.50	0.16	ug/L			05/30/19 05:50	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			05/30/19 05:50	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			05/30/19 05:50	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			05/30/19 05:50	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			05/30/19 05:50	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			05/30/19 05:50	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			05/30/19 05:50	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			05/30/19 05:50	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			05/30/19 05:50	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			05/30/19 05:50	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			05/30/19 05:50	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			05/30/19 05:50	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			05/30/19 05:50	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			05/30/19 05:50	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			05/30/19 05:50	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			05/30/19 05:50	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			05/30/19 05:50	1
Freon 113	<0.50		0.50	0.15	ug/L			05/30/19 05:50	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			05/30/19 05:50	1
2-Hexanone	<10		10	5.0	ug/L			05/30/19 05:50	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			05/30/19 05:50	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			05/30/19 05:50	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			05/30/19 05:50	1
2-Butanone (MEK)	<10		10	5.0	ug/L			05/30/19 05:50	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			05/30/19 05:50	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			05/30/19 05:50	1
Naphthalene	<1.0		1.0	0.43	ug/L			05/30/19 05:50	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 05:50	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 05:50	1
o-Xylene	<0.50		0.50	0.086	ug/L			05/30/19 05:50	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 05:50	1
Styrene	<0.50		0.50	0.089	ug/L			05/30/19 05:50	1

Client Sample ID: RFW-20

Date Collected: 05/19/19 09:05
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-1

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			05/30/19 05:50	1
tert-Butyl alcohol	<10		10	1.6	ug/L			05/30/19 05:50	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 05:50	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			05/30/19 05:50	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			05/30/19 05:50	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			05/30/19 05:50	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			05/30/19 05:50	1
Toluene	<0.50		0.50	0.086	ug/L			05/30/19 05:50	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 05:50	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			05/30/19 05:50	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 05:50	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			05/30/19 05:50	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			05/30/19 05:50	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			05/30/19 05:50	1
Trichloroethene	<0.50		0.50	0.13	ug/L			05/30/19 05:50	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			05/30/19 05:50	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			05/30/19 05:50	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			05/30/19 05:50	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 05:50	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			05/30/19 05:50	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			05/30/19 05:50	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			05/30/19 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/30/19 05:50*	*1*
1,2-Dichlorobenzene-d4	*102*		*70 - 130*		*05/30/19 05:50*	*1*

Client Sample ID: RFW-21

Date Collected: 05/19/19 08:15
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-2

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			05/30/19 06:14	1
Benzene	<0.50		0.50	0.082	ug/L			05/30/19 06:14	1
Bromobenzene	<0.50		0.50	0.091	ug/L			05/30/19 06:14	1
Bromoform	<0.50		0.50	0.17	ug/L			05/30/19 06:14	1
Bromomethane	<1.0	*	1.0	0.20	ug/L			05/30/19 06:14	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			05/30/19 06:14	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:14	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			05/30/19 06:14	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			05/30/19 06:14	1
Chloroethane	<1.0		1.0	0.22	ug/L			05/30/19 06:14	1
Chloroform	<0.50		0.50	0.20	ug/L			05/30/19 06:14	1
Chloromethane	<0.50		0.50	0.15	ug/L			05/30/19 06:14	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			05/30/19 06:14	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			05/30/19 06:14	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 06:14	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			05/30/19 06:14	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			05/30/19 06:14	1
Dibromomethane	<0.50		0.50	0.16	ug/L			05/30/19 06:14	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			05/30/19 06:14	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			05/30/19 06:14	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			05/30/19 06:14	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			05/30/19 06:14	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			05/30/19 06:14	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			05/30/19 06:14	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			05/30/19 06:14	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			05/30/19 06:14	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			05/30/19 06:14	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			05/30/19 06:14	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			05/30/19 06:14	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			05/30/19 06:14	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			05/30/19 06:14	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			05/30/19 06:14	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			05/30/19 06:14	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			05/30/19 06:14	1
Freon 113	<0.50		0.50	0.15	ug/L			05/30/19 06:14	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			05/30/19 06:14	1
2-Hexanone	<10		10	5.0	ug/L			05/30/19 06:14	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			05/30/19 06:14	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			05/30/19 06:14	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			05/30/19 06:14	1
2-Butanone (MEK)	<10		10	5.0	ug/L			05/30/19 06:14	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			05/30/19 06:14	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			05/30/19 06:14	1
Naphthalene	<1.0		1.0	0.43	ug/L			05/30/19 06:14	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 06:14	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 06:14	1
o-Xylene	<0.50		0.50	0.086	ug/L			05/30/19 06:14	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:14	1
Styrene	<0.50		0.50	0.089	ug/L			05/30/19 06:14	1

Client Sample ID: RFW-21

Date Collected: 05/19/19 08:15
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-2

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			05/30/19 06:14	1
tert-Butyl alcohol	<10		10	1.6	ug/L			05/30/19 06:14	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:14	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			05/30/19 06:14	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			05/30/19 06:14	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			05/30/19 06:14	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			05/30/19 06:14	1
Toluene	<0.50		0.50	0.086	ug/L			05/30/19 06:14	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 06:14	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			05/30/19 06:14	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:14	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			05/30/19 06:14	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			05/30/19 06:14	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			05/30/19 06:14	1
Trichloroethene	<0.50		0.50	0.13	ug/L			05/30/19 06:14	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			05/30/19 06:14	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			05/30/19 06:14	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			05/30/19 06:14	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 06:14	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			05/30/19 06:14	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			05/30/19 06:14	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			05/30/19 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*05/30/19 06:14*	*1*
1,2-Dichlorobenzene-d4	*103*		*70 - 130*		*05/30/19 06:14*	*1*

Client Sample ID: HAMP-22

Date Collected: 05/21/19 09:10
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-3

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			05/30/19 06:38	1
Benzene	<0.50		0.50	0.082	ug/L			05/30/19 06:38	1
Bromobenzene	<0.50		0.50	0.091	ug/L			05/30/19 06:38	1
Bromoform	<0.50	*	0.50	0.17	ug/L			05/30/19 06:38	1
Bromomethane	<1.0	*	1.0	0.20	ug/L			05/30/19 06:38	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			05/30/19 06:38	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:38	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			05/30/19 06:38	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			05/30/19 06:38	1
Chloroethane	<1.0		1.0	0.22	ug/L			05/30/19 06:38	1
Chloroform	<0.50		0.50	0.20	ug/L			05/30/19 06:38	1
Chloromethane	<0.50		0.50	0.15	ug/L			05/30/19 06:38	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			05/30/19 06:38	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			05/30/19 06:38	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 06:38	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			05/30/19 06:38	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			05/30/19 06:38	1
Dibromomethane	<0.50		0.50	0.16	ug/L			05/30/19 06:38	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			05/30/19 06:38	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			05/30/19 06:38	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			05/30/19 06:38	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			05/30/19 06:38	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			05/30/19 06:38	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			05/30/19 06:38	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			05/30/19 06:38	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			05/30/19 06:38	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			05/30/19 06:38	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			05/30/19 06:38	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			05/30/19 06:38	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			05/30/19 06:38	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			05/30/19 06:38	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			05/30/19 06:38	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			05/30/19 06:38	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			05/30/19 06:38	1
Freon 113	<0.50		0.50	0.15	ug/L			05/30/19 06:38	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			05/30/19 06:38	1
2-Hexanone	<10		10	5.0	ug/L			05/30/19 06:38	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			05/30/19 06:38	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			05/30/19 06:38	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			05/30/19 06:38	1
2-Butanone (MEK)	<10		10	5.0	ug/L			05/30/19 06:38	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			05/30/19 06:38	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			05/30/19 06:38	1
Naphthalene	<1.0		1.0	0.43	ug/L			05/30/19 06:38	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 06:38	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 06:38	1
o-Xylene	<0.50		0.50	0.086	ug/L			05/30/19 06:38	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:38	1
Styrene	<0.50		0.50	0.089	ug/L			05/30/19 06:38	1

Client Sample ID: HAMP-22

Date Collected: 05/21/19 09:10
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-3

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			05/30/19 06:38	1
tert-Butyl alcohol	<10		10	1.6	ug/L			05/30/19 06:38	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:38	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			05/30/19 06:38	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			05/30/19 06:38	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			05/30/19 06:38	1
Tetrachloroethene	**0.99**		0.50	0.18	ug/L			05/30/19 06:38	1
Toluene	<0.50		0.50	0.086	ug/L			05/30/19 06:38	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 06:38	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			05/30/19 06:38	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 06:38	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			05/30/19 06:38	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			05/30/19 06:38	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			05/30/19 06:38	1
Trichloroethene	<0.50		0.50	0.13	ug/L			05/30/19 06:38	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			05/30/19 06:38	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			05/30/19 06:38	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			05/30/19 06:38	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 06:38	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			05/30/19 06:38	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			05/30/19 06:38	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			05/30/19 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/30/19 06:38*	*1*
1,2-Dichlorobenzene-d4	*99*		*70 - 130*		*05/30/19 06:38*	*1*

Client Sample ID: HAMP-23

Date Collected: 05/21/19 09:15
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-4

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			05/30/19 07:01	1
Benzene	<0.50		0.50	0.082	ug/L			05/30/19 07:01	1
Bromobenzene	<0.50		0.50	0.091	ug/L			05/30/19 07:01	1
Bromoform	<0.50	*	0.50	0.17	ug/L			05/30/19 07:01	1
Bromomethane	<1.0	*	1.0	0.20	ug/L			05/30/19 07:01	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			05/30/19 07:01	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 07:01	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			05/30/19 07:01	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			05/30/19 07:01	1
Chloroethane	<1.0		1.0	0.22	ug/L			05/30/19 07:01	1
Chloroform	<0.50		0.50	0.20	ug/L			05/30/19 07:01	1
Chloromethane	<0.50		0.50	0.15	ug/L			05/30/19 07:01	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			05/30/19 07:01	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			05/30/19 07:01	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 07:01	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			05/30/19 07:01	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			05/30/19 07:01	1
Dibromomethane	<0.50		0.50	0.16	ug/L			05/30/19 07:01	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			05/30/19 07:01	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			05/30/19 07:01	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			05/30/19 07:01	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			05/30/19 07:01	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			05/30/19 07:01	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			05/30/19 07:01	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			05/30/19 07:01	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			05/30/19 07:01	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			05/30/19 07:01	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			05/30/19 07:01	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			05/30/19 07:01	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			05/30/19 07:01	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			05/30/19 07:01	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			05/30/19 07:01	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			05/30/19 07:01	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			05/30/19 07:01	1
Freon 113	<0.50		0.50	0.15	ug/L			05/30/19 07:01	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			05/30/19 07:01	1
2-Hexanone	<10		10	5.0	ug/L			05/30/19 07:01	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			05/30/19 07:01	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			05/30/19 07:01	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			05/30/19 07:01	1
2-Butanone (MEK)	<10		10	5.0	ug/L			05/30/19 07:01	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			05/30/19 07:01	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			05/30/19 07:01	1
Naphthalene	<1.0		1.0	0.43	ug/L			05/30/19 07:01	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 07:01	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 07:01	1
o-Xylene	<0.50		0.50	0.086	ug/L			05/30/19 07:01	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 07:01	1
Styrene	<0.50		0.50	0.089	ug/L			05/30/19 07:01	1

Client Sample ID: HAMP-23
Date Collected: 05/21/19 09:15
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-4
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			05/30/19 07:01	1
tert-Butyl alcohol	<10		10	1.6	ug/L			05/30/19 07:01	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 07:01	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			05/30/19 07:01	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			05/30/19 07:01	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			05/30/19 07:01	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			05/30/19 07:01	1
Toluene	<0.50		0.50	0.086	ug/L			05/30/19 07:01	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 07:01	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			05/30/19 07:01	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 07:01	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			05/30/19 07:01	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			05/30/19 07:01	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			05/30/19 07:01	1
Trichloroethene	<0.50		0.50	0.13	ug/L			05/30/19 07:01	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			05/30/19 07:01	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			05/30/19 07:01	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			05/30/19 07:01	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 07:01	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			05/30/19 07:01	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			05/30/19 07:01	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			05/30/19 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*05/30/19 07:01*	*1*
1,2-Dichlorobenzene-d4	*99*		*70 - 130*		*05/30/19 07:01*	*1*

Client Sample ID: Trip Blank
Date Collected: 05/19/19 07:00
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-5
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			05/30/19 01:07	1
Benzene	<0.50		0.50	0.082	ug/L			05/30/19 01:07	1
Bromobenzene	<0.50		0.50	0.091	ug/L			05/30/19 01:07	1
Bromoform	<0.50		0.50	0.17	ug/L			05/30/19 01:07	1
Bromomethane	<1.0	*	1.0	0.20	ug/L			05/30/19 01:07	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			05/30/19 01:07	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 01:07	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			05/30/19 01:07	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			05/30/19 01:07	1
Chloroethane	<1.0		1.0	0.22	ug/L			05/30/19 01:07	1
Chloroform	<0.50		0.50	0.20	ug/L			05/30/19 01:07	1
Chloromethane	<0.50		0.50	0.15	ug/L			05/30/19 01:07	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			05/30/19 01:07	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			05/30/19 01:07	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 01:07	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			05/30/19 01:07	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			05/30/19 01:07	1
Dibromomethane	<0.50		0.50	0.16	ug/L			05/30/19 01:07	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			05/30/19 01:07	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			05/30/19 01:07	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			05/30/19 01:07	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			05/30/19 01:07	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			05/30/19 01:07	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			05/30/19 01:07	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			05/30/19 01:07	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			05/30/19 01:07	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			05/30/19 01:07	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			05/30/19 01:07	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			05/30/19 01:07	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			05/30/19 01:07	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			05/30/19 01:07	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			05/30/19 01:07	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			05/30/19 01:07	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			05/30/19 01:07	1
Freon 113	<0.50		0.50	0.15	ug/L			05/30/19 01:07	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			05/30/19 01:07	1
2-Hexanone	<10		10	5.0	ug/L			05/30/19 01:07	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			05/30/19 01:07	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			05/30/19 01:07	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			05/30/19 01:07	1
2-Butanone (MEK)	<10		10	5.0	ug/L			05/30/19 01:07	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			05/30/19 01:07	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			05/30/19 01:07	1
Naphthalene	<1.0		1.0	0.43	ug/L			05/30/19 01:07	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 01:07	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 01:07	1
o-Xylene	<0.50		0.50	0.086	ug/L			05/30/19 01:07	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 01:07	1
Styrene	<0.50		0.50	0.089	ug/L			05/30/19 01:07	1

Client Sample ID: Trip Blank
Date Collected: 05/19/19 07:00
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-5
Matrix: Water

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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			05/30/19 01:07	1
tert-Butyl alcohol	<10		10	1.6	ug/L			05/30/19 01:07	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 01:07	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			05/30/19 01:07	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			05/30/19 01:07	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			05/30/19 01:07	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			05/30/19 01:07	1
Toluene	<0.50		0.50	0.086	ug/L			05/30/19 01:07	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 01:07	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			05/30/19 01:07	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 01:07	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			05/30/19 01:07	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			05/30/19 01:07	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			05/30/19 01:07	1
Trichloroethene	<0.50		0.50	0.13	ug/L			05/30/19 01:07	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			05/30/19 01:07	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			05/30/19 01:07	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			05/30/19 01:07	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 01:07	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			05/30/19 01:07	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			05/30/19 01:07	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			05/30/19 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/30/19 01:07*	*1*
1,2-Dichlorobenzene-d4	*100*		*70 - 130*		*05/30/19 01:07*	*1*

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

Lab Sample ID: MB 680-572107/11
Matrix: Water
Analysis Batch: 572107

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			05/30/19 00:43	1
Benzene	<0.50		0.50	0.082	ug/L			05/30/19 00:43	1
Bromobenzene	<0.50		0.50	0.091	ug/L			05/30/19 00:43	1
Bromoform	<0.50		0.50	0.17	ug/L			05/30/19 00:43	1
Bromomethane	<1.0		1.0	0.20	ug/L			05/30/19 00:43	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			05/30/19 00:43	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 00:43	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			05/30/19 00:43	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			05/30/19 00:43	1
Chloroethane	<1.0		1.0	0.22	ug/L			05/30/19 00:43	1
Chloroform	<0.50		0.50	0.20	ug/L			05/30/19 00:43	1
Chloromethane	<0.50		0.50	0.15	ug/L			05/30/19 00:43	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			05/30/19 00:43	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			05/30/19 00:43	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 00:43	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			05/30/19 00:43	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			05/30/19 00:43	1
Dibromomethane	<0.50		0.50	0.16	ug/L			05/30/19 00:43	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			05/30/19 00:43	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			05/30/19 00:43	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			05/30/19 00:43	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			05/30/19 00:43	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			05/30/19 00:43	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			05/30/19 00:43	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			05/30/19 00:43	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			05/30/19 00:43	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			05/30/19 00:43	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			05/30/19 00:43	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			05/30/19 00:43	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			05/30/19 00:43	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			05/30/19 00:43	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			05/30/19 00:43	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			05/30/19 00:43	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			05/30/19 00:43	1
Freon 113	<0.50		0.50	0.15	ug/L			05/30/19 00:43	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			05/30/19 00:43	1
2-Hexanone	<10		10	5.0	ug/L			05/30/19 00:43	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			05/30/19 00:43	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			05/30/19 00:43	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			05/30/19 00:43	1
2-Butanone (MEK)	<10		10	5.0	ug/L			05/30/19 00:43	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			05/30/19 00:43	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			05/30/19 00:43	1
Naphthalene	<1.0		1.0	0.43	ug/L			05/30/19 00:43	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 00:43	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 00:43	1
o-Xylene	<0.50		0.50	0.086	ug/L			05/30/19 00:43	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 00:43	1

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

Lab Sample ID: MB 680-572107/11
Matrix: Water
Analysis Batch: 572107

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			05/30/19 00:43	1
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			05/30/19 00:43	1
tert-Butyl alcohol	<10		10	1.6	ug/L			05/30/19 00:43	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			05/30/19 00:43	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			05/30/19 00:43	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			05/30/19 00:43	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			05/30/19 00:43	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			05/30/19 00:43	1
Toluene	<0.50		0.50	0.086	ug/L			05/30/19 00:43	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			05/30/19 00:43	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			05/30/19 00:43	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			05/30/19 00:43	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			05/30/19 00:43	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			05/30/19 00:43	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			05/30/19 00:43	1
Trichloroethene	<0.50		0.50	0.13	ug/L			05/30/19 00:43	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			05/30/19 00:43	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			05/30/19 00:43	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			05/30/19 00:43	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			05/30/19 00:43	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			05/30/19 00:43	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			05/30/19 00:43	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			05/30/19 00:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*05/30/19 00:43*	*1*
1,2-Dichlorobenzene-d4	*101*		*70 - 130*		*05/30/19 00:43*	*1*

Lab Sample ID: LCS 680-572107/5
Matrix: Water
Analysis Batch: 572107

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	108		ug/L		108	70 - 130
Benzene	20.0	18.4		ug/L		92	70 - 130
Bromobenzene	20.0	18.9		ug/L		95	70 - 130
Bromoform	20.0	22.1		ug/L		111	70 - 130
Bromomethane	20.0	31.2	*	ug/L		156	70 - 130
Carbon tetrachloride	20.0	16.9		ug/L		84	70 - 130
Chlorobenzene	20.0	18.6		ug/L		93	70 - 130
Chlorobromomethane	20.0	19.7		ug/L		98	70 - 130
Chlorodibromomethane	20.0	20.9		ug/L		104	70 - 130
Chloroethane	20.0	19.0		ug/L		95	70 - 130
Chloroform	20.0	18.2		ug/L		91	70 - 130
Chloromethane	20.0	18.8		ug/L		94	70 - 130
2-Chlorotoluene	20.0	18.6		ug/L		93	70 - 130
4-Chlorotoluene	20.0	18.5		ug/L		93	70 - 130
cis-1,2-Dichloroethene	20.0	18.7		ug/L		94	70 - 130

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

Lab Sample ID: LCS 680-572107/5
Matrix: Water
Analysis Batch: 572107

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	19.0		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	22.2		ug/L		111	70 - 130
Dibromomethane	20.0	18.0		ug/L		90	70 - 130
1,2-Dichlorobenzene	20.0	18.4		ug/L		92	70 - 130
1,3-Dichlorobenzene	20.0	18.6		ug/L		93	70 - 130
1,4-Dichlorobenzene	20.0	18.3		ug/L		92	70 - 130
Dichlorobromomethane	20.0	18.4		ug/L		92	70 - 130
Dichlorodifluoromethane	20.0	15.9		ug/L		80	70 - 130
1,1-Dichloroethane	20.0	19.1		ug/L		96	70 - 130
1,2-Dichloroethane	20.0	16.2		ug/L		81	70 - 130
1,1-Dichloroethene	20.0	20.3		ug/L		102	70 - 130
1,2-Dichloropropane	20.0	19.2		ug/L		96	70 - 130
1,3-Dichloropropane	20.0	18.6		ug/L		93	70 - 130
2,2-Dichloropropane	20.0	14.9		ug/L		75	70 - 130
1,1-Dichloropropene	20.0	17.5		ug/L		88	70 - 130
1,3-Dichloropropene, Total	40.0	37.5		ug/L		94	70 - 130
Diisopropyl ether	20.0	20.4		ug/L		102	70 - 130
Ethylbenzene	20.0	19.0		ug/L		95	70 - 130
Ethylene Dibromide	20.0	18.8		ug/L		94	70 - 130
Freon 113	20.0	18.6		ug/L		93	70 - 130
Hexachlorobutadiene	20.0	19.9		ug/L		99	70 - 130
2-Hexanone	100	111		ug/L		111	70 - 130
Isopropylbenzene	20.0	19.7		ug/L		99	70 - 130
4-Isopropyltoluene	20.0	19.2		ug/L		96	70 - 130
Methylene Chloride	20.0	19.7		ug/L		99	70 - 130
2-Butanone (MEK)	100	106		ug/L		106	70 - 130
4-Methyl-2-pentanone (MIBK)	100	105		ug/L		105	70 - 130
m-Xylene & p-Xylene	20.0	18.8		ug/L		94	70 - 130
Naphthalene	20.0	21.0		ug/L		105	70 - 130
n-Butylbenzene	20.0	18.5		ug/L		92	70 - 130
N-Propylbenzene	20.0	19.3		ug/L		97	70 - 130
o-Xylene	20.0	19.2		ug/L		96	70 - 130
sec-Butylbenzene	20.0	19.1		ug/L		95	70 - 130
Styrene	20.0	19.3		ug/L		96	70 - 130
Tert-amyl methyl ether	20.0	19.9		ug/L		100	70 - 130
tert-Butyl alcohol	200	213		ug/L		106	70 - 130
tert-Butylbenzene	20.0	18.7		ug/L		94	70 - 130
Tert-butyl ethyl ether	20.0	19.4		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.6		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		104	70 - 130
Tetrachloroethene	20.0	18.3		ug/L		91	70 - 130
Toluene	20.0	18.2		ug/L		91	70 - 130
trans-1,2-Dichloroethene	20.0	20.1		ug/L		100	70 - 130
trans-1,3-Dichloropropene	20.0	18.5		ug/L		93	70 - 130
1,2,3-Trichlorobenzene	20.0	20.3		ug/L		101	70 - 130
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	70 - 130
1,1,1-Trichloroethane	20.0	17.0		ug/L		85	70 - 130
1,1,2-Trichloroethane	20.0	19.5		ug/L		97	70 - 130
Trichloroethene	20.0	17.5		ug/L		87	70 - 130

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

Lab Sample ID: LCS 680-572107/5
Matrix: Water
Analysis Batch: 572107

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	17.5		ug/L		87	70 - 130
1,2,3-Trichloropropane	20.0	20.3		ug/L		102	70 - 130
Trihalomethanes, Total	80.0	79.6		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	20.0	18.9		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	20.0	18.8		ug/L		94	70 - 130
Vinyl chloride	20.0	18.1		ug/L		90	70 - 130
Xylenes, Total	40.0	38.0		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*70 - 130*
1,2-Dichlorobenzene-d4	*101*		*70 - 130*

Lab Sample ID: LCSD 680-572107/6
Matrix: Water
Analysis Batch: 572107

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	107		ug/L		107	70 - 130	1	20
Benzene	20.0	18.8		ug/L		94	70 - 130	2	20
Bromobenzene	20.0	19.3		ug/L		96	70 - 130	2	20
Bromoform	20.0	21.9		ug/L		109	70 - 130	1	20
Bromomethane	20.0	32.9	*	ug/L		164	70 - 130	5	20
Carbon tetrachloride	20.0	17.4		ug/L		87	70 - 130	3	20
Chlorobenzene	20.0	19.5		ug/L		97	70 - 130	5	20
Chlorobromomethane	20.0	20.6		ug/L		103	70 - 130	4	20
Chlorodibromomethane	20.0	20.1		ug/L		101	70 - 130	4	20
Chloroethane	20.0	18.7		ug/L		93	70 - 130	1	20
Chloroform	20.0	18.5		ug/L		92	70 - 130	2	20
Chloromethane	20.0	17.8		ug/L		89	70 - 130	5	20
2-Chlorotoluene	20.0	18.8		ug/L		94	70 - 130	1	20
4-Chlorotoluene	20.0	19.0		ug/L		95	70 - 130	2	20
cis-1,2-Dichloroethene	20.0	19.0		ug/L		95	70 - 130	1	20
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	20.0	23.1		ug/L		115	70 - 130	4	20
Dibromomethane	20.0	18.4		ug/L		92	70 - 130	2	20
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130	2	20
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130	3	20
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	70 - 130	6	20
Dichlorobromomethane	20.0	18.4		ug/L		92	70 - 130	0	20
Dichlorodifluoromethane	20.0	16.6		ug/L		83	70 - 130	4	20
1,1-Dichloroethane	20.0	19.0		ug/L		95	70 - 130	0	20
1,2-Dichloroethane	20.0	15.9		ug/L		80	70 - 130	2	20
1,1-Dichloroethene	20.0	20.8		ug/L		104	70 - 130	2	20
1,2-Dichloropropane	20.0	19.6		ug/L		98	70 - 130	2	20
1,3-Dichloropropane	20.0	19.0		ug/L		95	70 - 130	2	20
2,2-Dichloropropane	20.0	15.0		ug/L		75	70 - 130	1	20
1,1-Dichloropropene	20.0	17.5		ug/L		88	70 - 130	0	20
1,3-Dichloropropene, Total	40.0	37.3		ug/L		93	70 - 130	1	20

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

Lab Sample ID: LCSD 680-572107/6
Matrix: Water
Analysis Batch: 572107

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	20.1		ug/L		100	70 - 130	2	20
Ethylbenzene	20.0	18.5		ug/L		93	70 - 130	3	20
Ethylene Dibromide	20.0	19.4		ug/L		97	70 - 130	3	20
Freon 113	20.0	20.5		ug/L		103	70 - 130	10	20
Hexachlorobutadiene	20.0	20.6		ug/L		103	70 - 130	4	20
2-Hexanone	100	98.9		ug/L		99	70 - 130	11	20
Isopropylbenzene	20.0	19.4		ug/L		97	70 - 130	2	20
4-Isopropyltoluene	20.0	19.8		ug/L		99	70 - 130	3	20
Methylene Chloride	20.0	20.3		ug/L		101	70 - 130	3	20
2-Butanone (MEK)	100	105		ug/L		105	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	100	99.9		ug/L		100	70 - 130	5	20
m-Xylene & p-Xylene	20.0	17.9		ug/L		90	70 - 130	5	20
Naphthalene	20.0	21.8		ug/L		109	70 - 130	4	20
n-Butylbenzene	20.0	18.5		ug/L		93	70 - 130	0	20
N-Propylbenzene	20.0	18.7		ug/L		94	70 - 130	3	20
o-Xylene	20.0	18.7		ug/L		94	70 - 130	3	20
sec-Butylbenzene	20.0	19.3		ug/L		96	70 - 130	1	20
Styrene	20.0	18.9		ug/L		95	70 - 130	2	20
Tert-amyl methyl ether	20.0	20.6		ug/L		103	70 - 130	3	20
tert-Butyl alcohol	200	201		ug/L		101	70 - 130	5	20
tert-Butylbenzene	20.0	19.1		ug/L		95	70 - 130	2	20
Tert-butyl ethyl ether	20.0	19.6		ug/L		98	70 - 130	1	20
1,1,1,2-Tetrachloroethane	20.0	19.2		ug/L		96	70 - 130	2	20
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	70 - 130	4	20
Tetrachloroethene	20.0	17.7		ug/L		88	70 - 130	4	20
Toluene	20.0	19.1		ug/L		96	70 - 130	5	20
trans-1,2-Dichloroethene	20.0	20.6		ug/L		103	70 - 130	3	20
trans-1,3-Dichloropropene	20.0	17.8		ug/L		89	70 - 130	4	20
1,2,3-Trichlorobenzene	20.0	20.9		ug/L		104	70 - 130	3	20
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	70 - 130	8	20
1,1,1-Trichloroethane	20.0	17.3		ug/L		86	70 - 130	2	20
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	70 - 130	0	20
Trichloroethene	20.0	18.2		ug/L		91	70 - 130	4	20
Trichlorofluoromethane	20.0	17.8		ug/L		89	70 - 130	2	20
1,2,3-Trichloropropane	20.0	20.1		ug/L		101	70 - 130	1	20
Trihalomethanes, Total	80.0	78.9		ug/L		99	70 - 130	1	20
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		96	70 - 130	1	20
1,3,5-Trimethylbenzene	20.0	19.2		ug/L		96	70 - 130	2	20
Vinyl chloride	20.0	18.8		ug/L		94	70 - 130	4	20
Xylenes, Total	40.0	36.7		ug/L		92	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
1,2-Dichlorobenzene-d4	*100*		*70 - 130*

GC/MS VOA

Analysis Batch: 572107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-169402-1	RFW-20	Total/NA	Water	524.2	
680-169402-2	RFW-21	Total/NA	Water	524.2	
680-169402-3	HAMP-22	Total/NA	Water	524.2	
680-169402-4	HAMP-23	Total/NA	Water	524.2	
680-169402-5	Trip Blank	Total/NA	Water	524.2	
MB 680-572107/11	Method Blank	Total/NA	Water	524.2	
LCS 680-572107/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-572107/6	Lab Control Sample Dup	Total/NA	Water	524.2	

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Lab Chronicle

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

Job ID: 680-169402-1

Client Sample ID: RFW-20
Date Collected: 05/19/19 09:05
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-1
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	572107	05/30/19 05:50	UI	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: RFW-21
Date Collected: 05/19/19 08:15
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-2
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	572107	05/30/19 06:14	UI	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: HAMP-22
Date Collected: 05/21/19 09:10
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-3
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	572107	05/30/19 06:38	UI	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: HAMP-23
Date Collected: 05/21/19 09:15
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-4
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	572107	05/30/19 07:01	UI	TAL SAV
	Instrument ID: CMSU									

Client Sample ID: Trip Blank
Date Collected: 05/19/19 07:00
Date Received: 05/22/19 09:10

Lab Sample ID: 680-169402-5
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	572107	05/30/19 01:07	UI	TAL SAV
	Instrument ID: CMSU									

Laboratory References:

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

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TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912 354 7858 Fax

Chain of Custody Record

TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program:

Client Contact	Project Manager	Site Contact: Greg Frankiski	Date:	COC No:
Company Name: Weston Solution	Tel/Fax:	Lab Contact: Keaton Camp	Carrier:	of COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	CALENDAR DAYS / WORKING DAYS			For Lab Use Only:
Phone: Greg Frankiski				Walk-in Client:
Fax: 610.701.9550				Lab Sampling:
Project Name: Stanley Black + Decker				Job / SDG No:
Site: HAMPSTEAD MD				
PO #:				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	5 2 1 3	U O A	Sample Specific Notes
RFW-20	5/19/19	905	G	W	3					
RFW-21	5/19/19	815			3					
HAMP 22	5/20/19	910			3					
HAMP 23	5/21/19	915			3					
Trip Blank	5/9/19	700		W	2					

680-159402 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 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.

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact:	Custody Seal No:	Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No:
Relinquished by:	Company: Weston	Date/Time: 5/21/19 1600	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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6/4/2019

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-169402-1

Login Number: 169402
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: 680-169402-1

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