Quarterly Groundwater Monitoring Report

Prepared for

Stanley Black & Decker (U.S.) Inc.

Hampstead, Maryland

April 2020

Prepared by

WESTON SOLUTIONS, INC.

West Chester, Pennsylvania 19380-1499

TABLE OF CONTENTS

Section **Page**

LIST OF APPENDICES

LIST OF TABLES

Table **Page**

1. INTRODUCTION

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

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

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

2. SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of January through March 2020.

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

Monthly water levels for wells included in the water level monitoring plan are presented in Table 2-2. For the reporting period of January through March 2020, the extraction wells were pumping at an average combined rate of approximately 174 gallons per minute (gpm).

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of January through March 2020 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of January through March 2020, approximately 8.22 pounds of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs removed from the groundwater were comprised primarily of trichloroethene (TCE) (48.9 %) and tetrachloroethene (PCE) (51.1 %). Analytical results of the groundwater collected from the air stripper for the period of January through March 2020 are included in Appendix C.

A summary of the analytical results from the first quarter (February 2020) groundwater sampling round of the extraction and monitor wells is presented in Table 2-4. The complete

Table 2-1
Treatment System Pumping Records - 1st Quarter 2020
Stanley Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
January 2020	7,038,992
February 2020	6,713,495
March 2020	7,244,831

Table 2-2
Groundwater Elevation Data - 1st Quarter 2020
Stanley Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	1/16/2020		2/12/2020		3/10/2020	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NC	DRY	NC	DRY	NC
EW-2	849.21	110	88.70	760.51	88.20	761.01	87.80	761.41
EW-3	846.64	118	94.50	752.14	94.30	752.34	94.25	752.39
EW-4	858.01	97.5	PC	NC	PC	NC	PC	NC
EW-5	864.17	98	91.50	772.67	91.20	772.97	90.50	773.67
EW-6	831.98	115	84.73	747.25	84.00	747.98	83.79	748.19
EW-7	818.38	78	63.69	754.69	64.50	753.88	64.88	753.50
EW-8	811.13	98	95.25	715.88	95.70	715.43	95.74	715.39
EW-9	811.35	141	102.50	708.85	102.00	709.35	102.00	709.35
EW-10	807.74	NA	55.74	752.00	56.37	751.37	56.13	751.61
RFW-1A	864.37	78	51.15	813.22	51.27	813.10	51.43	812.94
RFW-1B	864.23	200	51.22	813.01	51.30	812.93	51.46	812.77
RFW-2A	857.41	35	15.07	842.34	14.10	843.31	14.98	842.43
RFW-2B	857.73	75	15.71	842.02	14.93	842.80	15.67	842.06
RFW-3B	839.21	153	33.71	805.50	38.19	801.02	32.36	806.85
RFW-4A	830.37	62	37.27	793.10	36.70	793.67	36.48	793.89
RFW-4B	830.37	120	37.18	793.19	36.73	793.64	36.38	793.99
RFW-5A	817.50	30	DRY	NC	DRY	NC	DRY	NC
RFW-6	785.04	120	2.19	782.85	2.01	783.03	2.21	782.83
RFW-7	805.14	29	7.10	798.04	5.98	799.16	6.98	798.16
RFW-8	860.07	56	DRY	NC	DRY	NC	DRY	NC
RFW-9	862.02	49	26.11	835.91	25.55	836.47	25.69	836.33
RFW-10	852.06	58	DRY	NC	DRY	NC	DRY	NC
RFW-11A	849.32	72	Damaged	NC	Damaged	NC	Damaged	NC
RFW-11B	849.62	116	65.17	784.45	64.57	785.05	65.43	784.19
RFW-12B	844.87	264	51.02	793.85	52.17	792.70	51.36	793.51
RFW-13	849.11	150	58.17	790.94	60.46	788.65	59.04	790.07
RFW-14B	812.39	281	50.70	761.69	50.65	761.74	50.66	761.73
RFW-16	856.14	41	DRY	NC	DRY	NC	DRY	NC
RFW-17	834.66	60.5	26.52	808.14	26.28	808.38	26.48	808.18
RFW-20	842.49	142	34.32	808.17	34.10	808.39	34.33	808.16
RFW-21	832.65	102	21.80	810.85	21.73	810.92	21.47	811.18
PH-7	805.94	89	32.87	773.07	30,15	805.94	29.63	776.31
PH-9	814.94	98	39.07	775.87	38.82	776.12	38.74	776.20
PH-11	820.68	78	42.22	778.46	41.89	778.79	42.19	778.49
PH-12	828.35	87	37.84	790.51	38.75	789.60	38.94	789.41
B-3	803.02	83	NA	NC	NA	NC	NA	NC
Amoco	842.29	NA	NA	NC	NA	NC	NA	NC
Hamp. Town #22	804.96	NA	1.06	803.90	1.10	803.86	1.26	803.70
Pembroke #1	NA	NA	11.87	NC	11.43	NC	11.77	NC
Pembroke #2	NA	NA	Damaged	NC	Damaged	NC	Damaged	NC
N. Houcks. Rd.	NA	NA	8.17	NC	8.02	NC	7.99	NC
E. Century St.	NA	NA	10.94	NC	11.35	NC	13.21	NC
Lwr. Beckleys. Rd.	NA	NA	54.22	NC	53.93	NC	54.34	NC

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

Table 2-3
Effluent Characteristics Summary - 1st Quarter 2020
Stanley Black & Decker
Hampstead, Maryland

Discharge Number	Parameter		Units	Permit Limits	Discharge Monitoring Report Date		
					January 2020	February 2020	March 2020
001 (Monitoring Point)	FLOW	average	MGD	NA	0.113	0.112	0.113
		maximum	MGD	NA	0.197	0.294	0.390
	1,1,1-Trichloroethane		ug/l	5	NS	NS	NS
	Tetrachloroethylene		ug/l	5	NS	NS	NS
	Trichloroethylene		ug/l	5	NS	NS	NS
	Total Residual Chlorine		mg/l	< 0.1	< 0.1	< 0.1	< 0.1
	Oil & Grease	maximum	mg/l	15	< 2	< 2	< 2
		monthly average	mg/l	10	< 2	< 2	< 2
	pH	minimum	STD	6.0	7.3	7.4	7.2
		maximum	STD	8.5	7.9	8.2	7.5
	BOD		mg/l	15	5.0	4.0	6.0
	TSS	maximum	mg/l	30	6	6	5
		monthly average	mg/l	20	6	6	5
101 (Monitoring Point)	Monitoring Point #101 is no longer in use since the facility hooked up to the Town of Hampstead sanitary sewer in July 2018.						
201 (Monitoring Point)	FLOW	average	MGD	NA	NR	NR	0.231
		maximum	MGD	NA	NR	NR	0.287
	1,1,1-Trichloroethane		ug/l	NA	NR	NR	< 1
	Tetrachloroethylene		ug/l	NA	NR	NR	< 1
	Trichloroethylene		ug/l	NA	NR	NR	< 1

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

Table 2-4
Summary of Groundwater Analytical Results - February 2020
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	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	2.8 J	2.5 J	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	1.9	1.5	1 U	1 U	1 U	4	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	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	100	20	17	80	3.1	2.8	5	0.5 J	0.8	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	1 U	2.5	7	8.4	47	120	120	2.6
1,1,2,2-Tetrachloroethane	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	ug/L	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	ug/L	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

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

Table 2-4
Summary of Groundwater Analytical Results - February 2020
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	2.3 J	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
Acetone	ug/L	10	10 U	10 U	10 U	10 U	10 U	4.2 JB	5.2 JB	NS	3.1 JB	3.2 JB	NS	3.9 JB	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	0.7 J	0.8 J	1 U	3.2	NS	1 U	1 U	NS	3.3	NS
Chloroform	ug/L	2 U	2 U	2 U	2 U	2 U	0.5 J	2 U	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	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	23	25	56	NS	0.5 U	0.5 U	NS	2.5	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	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	20	21	68	NS	1 U	1 U	NS	1 J	NS
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	NS	0.5 U	NS
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS
Xylene (total)	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	NS	1 U	NS

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

Table 2-4
Summary of Groundwater Analytical Results - February 2020
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	NS	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	NS	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	NS	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	NS	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	NS	0.5 U
Acetone	ug/L	NS	3.7 JB	10 U	3.4 JB	NS	10 U	ABD	ABD	ABD	2.9 JB	10 U	7.3 J	10 U	NS	10 U
Carbon Disulfide	ug/L	NS	2 U	2 U	2 U	NS	2 U	ABD	ABD	ABD	2 U	NA	NA	NA	NS	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	NS	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	NS	0.5 U
1,2-Dichloroethene (total)	ug/L	NS	1 U	1.8	4.6	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	0.5 U	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	0.5 U
Trichloroethene	ug/L	NS	0.7	58	1.6	NS	0.5 U	ABD	ABD	ABD	0.5 U	0.5 U	0.5 U	0.5 U	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	10 U
Tetrachloroethene	ug/L	NS	1 U	3.5	6.3	NS	1 U	ABD	ABD	ABD	1 U	0.5 U	0.5 U	1.2	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	0.5 U

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

NS = Not sampled

U = Compound was analyzed but not detected.

ABD = Well has been abandoned

analytical data package is included in Appendix D.

As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentration of TCE was detected in the groundwater sample collected from well EW-2 and EW-5. The highest concentration of PCE was detected in the groundwater sample collected from well EW-9. The remainder of VOCs present were detected at levels below the Federal Maximum Contaminant Levels (MCL).

3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM

A summary of the maintenance activities which were undertaken with the extraction and treatment system during the reporting period (January through March 2020) is presented in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate or other routine maintenance activities).

Table 3-1
Treatment System Maintenance Activities - 1st Quarter 2020
Stanley Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
	Alarm at the stripper, heating elements in EW-2 went bad. The heating elements were replaced and the well is back online..
Feb 20	**Locating Conduit Junction Boxes** All subsurface conduit junction boxes along the eastern and western extraction well legs of the system were physically located and inspected using line tracing equipment. In total 25 subsurface junction boxes were located and inspected. All junction boxes were located using a sub-meter accuracy GPS unit and marked with high visibility 3 feet tall plow markers. **Insulation Resistance Testing** Insulation resistance testing ("Megger" testing) was conducted on over 5000 linear feet of electrical supply wiring between all electrical junction boxes and extraction wells to determine if wiring was deteriorated or compromised and should be replaced. Upon completion of testing all wires were re-splice back together with proper splicing materials/fixtures at each location.
March 20	**Air Stripper Inspeciton and Evaluation** An inspection and evaluation of the air stripper tower was conducted to determine if internal components are in need of replacement and if mineralization has occurred and should be removed. The approximately 52 feet tall air stripper tower was inspected at eight (8) different levels. Personnel used a 60 foot reach articulating boom lift to access each inspection level. The internal condition at each levels was evaluated by inserting a small diameter endoscope with a semi ridged wire into either an inspection port or small hole drilled through the inspection window. Following the evaluation the small hole drilled through the inspection window was plugged with a sealing compound and a stainless steel bolt. At each level the internal conditions were documented using photographs and video.
	Well House Maintenence The existing heaters in the extraction well houses were replaced in all eight (8) extraction well houses (EW-2 – EW-9) and the one (1) extraction well building (EW-10). Qmark brand 2-element stainless steel infrared heaters were installed in well houses EW-2 – EW-9 and a King brand compact wall mounted heater unit was installed in well building EW-10. The air relief valves were replaced with Valmatic 15A units with 175 PSI rating and exhaust up to at 150 PSI in all well houses and the well building. Flowmeters were upgraded in five (5) well houses (EW-3, EW-4, EW-5, EW-7, EW-9) with Sensus brand Omni T2 turbine meters. Weather stripping seals were replaced to reduce heat loss during the heating season on all eight (8) well houses (EW-2 – EW-9).

4. RECOMMENDATIONS

For the reporting period of January through March 2020, the treatment system continued to create a hydraulic boundary preventing off-site migration of groundwater. The extraction system will continue to operate as currently configured to pump and treat contaminated groundwater. Depth-to-water measurements will continue to be collected on a monthly basis in all site monitor wells to construct a groundwater elevation contour map for the site. The groundwater elevation contour map will be used to verify that the required area of groundwater capture is being maintained. If necessary, pumping rates will be adjusted to maintain groundwater capture due to seasonal fluctuations in groundwater elevations. The treatment system will also continue to operate as currently configured, as data collected have proven that the treatment system is fully effective in removing VOCs from the extracted groundwater.

APPENDIX A
GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS
(JANUARY – MARCH 2020)

ENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

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

Facility: BTR Capital Group (MD0001881)
Address: 627 Hanover Pike, Hampstead Maryland
Additional Op's & cert # - Garrett Scheller 2500, Dorrance Jones 0763, Chris Childers 10783, Austin Phillips11136

Superintendent: David Coale Certification # 1662

Month: January
Year: 2020

	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	Tetrachloroethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	0.08700														0.000000		0"	0.0	0.0	0.0				0.209257	C Childers
2	Clear	0.09300														0.000000		0"	0.0	0.0	0.0				0.252019	G. Scheller
3	Clear	0.13100														0.000000		0"	0.0	0.0	0.0				0.239022	G. Scheller
4	Clear	0.15100														0.000000		0"	0.0	0.0	0.0				0.239035	D.Jones
5	Clear	0.14600														0.000000		0"	0.0	0.0	0.0				0.232380	D.Jones
6	Clear	0.09200	7.62	0.00												0.000000		0"	0.0	0.0	0.0				0.225742	G. Scheller
7	Clear	0.08400	7.80	0.00				4.70	6.00			0.12		<3.8		0.000000		0"	0.0	0.0	0.0	<0.5	<0.5	<0.5	0.195516	G. Scheller
8	Clear	0.19300														0.000000		0"	0.0	0.0	0.0				0.275077	G. Scheller
9	Clear	0.09400														0.000000		0"	0.0	0.0	0.0				0.225704	C Childers
10	Clear	0.10400														0.000000		0"	0.0	0.0	0.0				0.229956	C Childers
11	Clear	0.13200														0.000000		0"	0.0	0.0	0.0				0.232617	G. Scheller
12	Clear	0.19700														0.000000		0"	0.0	0.0	0.0				0.229065	G. Scheller
13	Clear	0.11900	7.85	0.00												0.000000		0"	0.0	0.0	0.0				0.237100	G. Scheller
14	Clear	0.09900	7.89	0.00												0.000000		0"	0.0	0.0	0.0				0.236820	G. Scheller
15	Clear	0.10600														0.000000		0"	0.0	0.0	0.0				0.237168	G. Scheller
16	Clear	0.10500														0.000000		0"	0.0	0.0	0.0				0.229660	A.Phillips
17	Clear	0.07200														0.000000		0"	0.0	0.0	0.0				0.227990	A.Phillips
18	Clear	0.04900														0.000000		0"	0.0	0.0	0.0				0.093677	C Childers
19	Clear	0.18700														0.000000		0"	0.0	0.0	0.0				0.218757	C Childers
20	Clear	0.12000	7.38	0.00												0.000000		0"	0.0	0.0	0.0				0.259038	G. Scheller
21	Clear	0.08400														0.000000		0"	0.0	0.0	0.0				0.229037	G. Scheller
22	Clear	0.09000	7.90	0.00												0.000000		0"	0.0	0.0	0.0				0.235145	A.Phillips
23	Clear	0.08900														0.000000		0"	0.0	0.0	0.0				0.234089	A.Phillips
24	Clear	0.08600														0.000000		0"	0.0	0.0	0.0				0.204380	A.Phillips
25	Clear	0.15700														0.000000		0"	0.0	0.0	0.0				0.226063	C Childers
26	Clear	0.19700														0.000000		0"	0.0	0.0	0.0				0.215083	C Childers
27	Clear	0.11200	7.34	0.00												0.000000		0"	0.0	0.0	0.0				0.253742	G. Scheller
28	Clear	0.09200	7.67	0.00												0.000000		0"	0.0	0.0	0.0				0.232717	G. Scheller
29	Clear	0.08400														0.000000		0"	0.0	0.0	0.0				0.230731	G. Scheller
30	Clear	0.07500														0.000000		0"	0.0	0.0	0.0				0.219446	C Childers
31	Clear	0.08500														0.000000		0"	0.0	0.0	0.0				0.232959	C Childers
Total		3.51200														0.000000									7.038992	
Average		0.11329		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	5	6	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.227064	
Mimimum		0.04900	7.3	0.00	0	0	0	5	6	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.093677	MOR
Maximum		0.19700	7.9	<0.10	0	0	0	5	6	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.275077	2/20/2020

ENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

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

Facility: BTR Capital Group (MD0001881)
Address: 627 Hanover Pike, Hampstead Maryland
Additional Op's & cert # - Garrett Scheller 2500, Dorrance Jones 0763, Austin Phillips 11136, Chris Childers 10783, Doug Strong 10480

Superintendent: David Coale Certification # 1662

Month: February
Year: 2020

	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	Tetrachloroethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	0.09200														0.000000		0"	0.0	0.0	0.0				0.238931	G. Scheller
2	Clear	0.11400														0.000000		0"	0.0	0.0	0.0				0.231995	G. Scheller
3	Clear	0.08500	8.22	0.00												0.000000		0"	0.0	0.0	0.0				0.237203	A.Phillips
4	Clear	0.06600	7.69	0.00				3.90	6.00			<0.1		<3.8		0.000000		0"	0.0	0.0	0.0	<0.5	<0.5	<0.5	0.183632	A.Phillips
5	Clear	0.11400														0.000000		0"	0.0	0.0	0.0				0.280510	G. Scheller
6	Clear	0.24600														0.000000		0"	0.0	0.0	0.0				0.198560	A.Phillips
7	Clear	0.29400														0.000000		0"	0.0	0.0	0.0				0.223382	G. Scheller
8	Clear	0.11900														0.000000		0"	0.0	0.0	0.0				0.213519	C Childers
9	Clear	0.08700														0.000000		0"	0.0	0.0	0.0				0.230374	C Childers
10	Clear	0.10400	7.43	0.00												0.000000		0"	0.0	0.0	0.0				0.260137	G. Scheller
11	Clear	0.21900	7.78	0.00												0.000000		0"	0.0	0.0	0.0				0.235964	G. Scheller
12	Clear	0.15500														0.000000		0"	0.0	0.0	0.0				0.225477	G. Scheller
13	Clear	0.15500														0.000000		0"	0.0	0.0	0.0				0.238490	G. Scheller
14	Clear	0.10900														0.000000		0"	0.0	0.0	0.0				0.233330	G. Scheller
15	Clear	0.06600														0.000000		0"	0.0	0.0	0.0				0.181717	D.Jones
16	Clear	0.05300														0.000000		0"	0.0	0.0	0.0				0.219120	D.Jones
17	Clear	0.06700	7.74	0.00												0.000000		0"	0.0	0.0	0.0				0.273888	G. Scheller
18	Clear	0.07600	7.44	0.00												0.000000		0"	0.0	0.0	0.0				0.220678	A.Phillips
19	Clear	0.07500														0.000000		0"	0.0	0.0	0.0				0.202581	G. Scheller
20	Clear	0.08200														0.000000		0"	0.0	0.0	0.0				0.265109	A.Phillips
21	Clear	0.07300														0.000000		0"	0.0	0.0	0.0				0.236448	A.Phillips
22	Clear	0.07300														0.000000		0"	0.0	0.0	0.0				0.248573	G. Scheller
23	Clear	0.05600														0.000000		0"	0.0	0.0	0.0				0.180495	G. Scheller
24	Clear	0.07900	7.48	0.00												0.000000		0"	0.0	0.0	0.0				0.286020	G. Scheller
25	Clear	0.09600	7.58	0.00												0.000000		0"	0.0	0.0	0.0				0.231654	D. Strong
26	Clear	0.11000														0.000000		0"	0.0	0.0	0.0				0.222676	D. Strong
27	Clear	0.24200														0.000000		0"	0.0	0.0	0.0				0.251913	G. Scheller
28	Clear	0.06900														0.000000		0"	0.0	0.0	0.0				0.230561	G. Scheller
29	Clear	0.08500														0.000000		0"	0.0	0.0	0.0				0.230558	D. Strong
30																										
31																										
Total		3.26100														0.000000									6.713495	
Average		0.11245		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	4	6	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.231500	
Minimum		0.05300	7.4	0.00	0	0	0	4	6	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180495	MOR
Maximum		0.29400	8.2	<0.10	0	0	0	4	6	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.286020	3/23/2020

ENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

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

Facility: BTR Capital Group (MD0001881)

Address: 627 Hanover Pike, Hampstead Maryland

Additional Op's & cert # - Garrett Scheller 2500, Dorrance Jones 0763, Doug Strong 10480

Superintendent: David Coale Certification # 1662

Month: March Year: 2020

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	Tetrachloroethylene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Discharge mgd	Operator
1	Clear	0.04000														0.000000		0"	0.0	0.0	0.0				0.192101	D. Strong
2	Clear	0.08400	7.36	0.00												0.000000		0"	0.0	0.0	0.0				0.280094	G. Scheller
3	Clear	0.10500	7.22	0.00												0.000000		0"	0.0	0.0	0.0				0.233707	G. Scheller
4	Clear	0.19500														0.000000		0"	0.0	0.0	0.0				0.237414	G. Scheller
5	Clear	0.07500														0.000000		0"	0.0	0.0	0.0				0.227247	G. Scheller
6	Clear	0.08700														0.000000		0"	0.0	0.0	0.0				0.235037	G. Scheller
7	Clear	0.10900														0.000000		0"	0.0	0.0	0.0				0.185880	D.Jones
8	Clear	0.07700														0.000000		0"	0.0	0.0	0.0				0.220332	D.Jones
9	Clear	0.09100	7.35	0.00												0.000000		0"	0.0	0.0	0.0				0.284228	G. Scheller
10	Clear	0.06000	7.22	0.00				6.20	5.00			<0.1		<3.9		0.000000		0"	0.0	0.0	0.0	<0.5	<0.5	<0.5	0.191222	G. Scheller
11	Clear	0.11200														0.000000		0"	0.0	0.0	0.0				0.278333	G. Scheller
12	Clear	0.07000														0.000000		0"	0.0	0.0	0.0				0.220928	D. Strong
13	Clear	0.14800														0.000000		0"	0.0	0.0	0.0				0.238894	D. Strong
14	Clear	0.06400														0.000000		0"	0.0	0.0	0.0				0.214808	G. Scheller
15	Clear	0.09800														0.000000		0"	0.0	0.0	0.0				0.206800	G. Scheller
16	Clear	0.12000														0.000000		0"	0.0	0.0	0.0				0.287392	G. Scheller
17	Clear	0.39000	7.29	0.00												0.000000		0"	0.0	0.0	0.0				0.232626	G. Scheller
18	Clear	0.08100														0.000000		0"	0.0	0.0	0.0				0.236069	G. Scheller
19	Clear	0.21500														0.000000		0"	0.0	0.0	0.0				0.231470	G. Scheller
20	Clear	0.10600														0.000000		0"	0.0	0.0	0.0				0.236579	G. Scheller
21	Clear	0.08800														0.000000		0"	0.0	0.0	0.0				0.233136	D. Strong
22	Clear	0.04400														0.000000		0"	0.0	0.0	0.0				0.218479	D. Strong
23	Clear	0.09600	7.44	0.00												0.000000		0"	0.0	0.0	0.0				0.258223	G. Scheller
24	Clear	0.09700	7.43	0.00												0.000000		0"	0.0	0.0	0.0				0.218007	G. Scheller
25	Clear	0.11100														0.000000		0"	0.0	0.0	0.0				0.232638	G. Scheller
26	Clear	0.09000														0.000000		0"	0.0	0.0	0.0				0.220277	G. Scheller
27	Clear	0.08800														0.000000		0"	0.0	0.0	0.0				0.252834	G. Scheller
28	Clear	0.24300														0.000000		0"	0.0	0.0	0.0				0.243688	D.Jones
29	Clear	0.11400														0.000000		0"	0.0	0.0	0.0				0.181321	D.Jones
30	Clear	0.10800	7.38	0.00												0.000000		0"	0.0	0.0	0.0				0.277061	G. Scheller
31	Clear	0.08000	7.50	0.00												0.000000		0"	0.0	0.0	0.0				0.238006	G. Scheller
Total		3.48600														0.000000									7.244831	
Average		0.11245		<0.10	#DIV/0!	#DIV/0!	#DIV/0!	6	5	####	####	0	####	0	####	0.000000	#NUM!	######	0.0	0.0	0.0	0.0	0.0	0.0	0.233704	
Minimum		0.04000	7.2	0.00	0	0	0	6	5	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.181321	MOR
Maximum		0.39000	7.5	<0.10	0	0	0	6	5	0	0	0	0	0		0.000000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.287392	4/10/2020

APPENDIX B
DISCHARGE MONITORING REPORTS
(JANUARY - MARCH 2020)

DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	**From 01/01/20 to 01/31/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season	#	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample											=	5.0	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.											<=	15.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample							=	7.3			=	7.9	12 - SU		02/07 - Twice Every Week	GR - GRAB
					Permit Req.							>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU	0	02/07 - Twice Every Week	GR - GRAB
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample									=	6.0	=	6.0	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.									<=	20.0 MX MO AV	<=	30.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI																
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample									=	0.0	=	0.0	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.									<=	10.0 MX MO AV	<=	15.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample									=	0.1			19 - mg/L		01/30 - Monthly	08 - COMP-8
					Permit Req.									<=	0.3 MX MO AV			19 - mg/L	0	01/30 - Monthly	08 - COMP-8
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.1133	=	0.197	03 - MGD										01/30 - Monthly	MS - MEASRD
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									0	01/30 - Monthly	MS - MEASRD
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									=	0.0	=	0.0	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									<=	11.0 MX MO AV	<=	19.0 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
20BlackandDeckerWWTP01.pdf	pdf	852478.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-02-20 13:03 (Time Zone: -05:00)

Report Last Signed By

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

DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	**From 01/01/20 to 01/31/20**	**DMR Due Date:**	**02/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: –

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
20BlackandDeckerWWTP01.pdf	pdf	852478.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-02-20 13:03 (Time Zone: -05:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-02-24 07:17 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:	**MD0001881**	**Permittee:**	BTR HAMPSTEAD,LLC.	**Facility:**	BTR HAMPSTEAD, LLC.
Major:	No	**Permittee Address:**	626 HANOVER PIKE HAMPSTEAD, MD 21074	**Facility Location:**	626 HANOVER PIKE HAMPSTEAD, MD 21074
Permitted Feature:	101 External Outfall	**Discharge:**	**101-A2** 16-DP-0022		

Report Dates & Status

Monitoring Period:	**From 01/01/20 to 01/31/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d								01/07 - Weekly	MS - MEASRD
					Value NODI		C - No Discharge		C - No Discharge										
					Sample														
51040	E. coli	1 - Effluent Gross	0	--	Permit Req.						<=	126.0 MX WK AV					30 - MPN/100mL	01/07 - Weekly	GR - GRAB
					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
20BlackandDeckerWWTP01.pdf	pdf	852478.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-02-20 13:04 (Time Zone: -05:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-02-24 07:17 (Time Zone: -05:00)

DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	**From 01/01/20 to 01/31/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season	#	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
						Sample														
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--		Permit Req.						>=	5.0 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.	<=	225.0 MX WK AV			26 - lb/d			<=	45.0 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.	<=	150.0 MX MO AV			26 - lb/d			<=	30.0 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.	<=	113.0 MX WK AV			26 - lb/d			<=	23.0 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.			<=	27397.0 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.	<=	75.0 MX MO AV			26 - lb/d			<=	15.0 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	1	--		Permit Req.	<=	21.0 MX DA AV			26 - lb/d			<=	4.1 MX DA AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
						Value NODI		C - No Discharge							C - No Discharge						
						Sample														
00610	Nitrogen, ammonia total [as N]	EG - Effluent Gross	0	--		Permit Req.	<=	9.0 MX MO AV			26 - lb/d			<=	1.8 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
						Value NODI		C - No Discharge							C - No Discharge						
						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			<=	0.45 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										01/30 - Monthly	CA - CALCTD
				Permit Req.				Req Mon MO TOTAL	76 - lb/mo						
				Value NODI				C - No Discharge							
00665 Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample										01/30 - Monthly	CA - CALCTD
				Permit Req.			<=	548.0 CUM TOTL	50 - lb/yr						
				Value NODI				C - No Discharge							
00665 Phosphorus, total [as P]	EG - Effluent Gross	0	--	Sample										01/30 - Monthly	CA - CALCTD
				Permit Req.	<=	1.5 MX MO AV			26 - lb/d	<=	0.3 MX MO AV		19 - mg/L		
				Value NODI		C - No Discharge					C - No Discharge				
04175 Phosphate, ortho [as P]	1 - Effluent Gross	0	--	Sample										02/07 - Twice Every Week	CA - CALCTD
				Permit Req.							Req Mon MO AVG		19 - mg/L		
				Value NODI							C - No Discharge				
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample										99/99 - Continuous	RF - RCDFLO
				Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD						
				Value NODI		C - No Discharge		C - No Discharge							
51040 E. coli	1 - Effluent Gross	0	--	Sample										01/07 - Weekly	GR - GRAB
				Permit Req.						<=	60.0 MO MAX		30 - MPN/100mL		
				Value NODI							C - No Discharge				
82220 Flow, total	1 - Effluent Gross	0	--	Sample										01/30 - Monthly	CA - CALCTD
				Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo						
				Value NODI				C - No Discharge							

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
20BlackandDeckerWWTP01.pdf	pdf	852478.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-02-20 13:04 (Time Zone: -05:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-02-24 07:17 (Time Zone: -05:00)

DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	**From 02/01/20 to 02/29/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample										=	4.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Permit Req.										<=	15.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample						=	7.4			=	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								=	6.0	=	6.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	--	Permit Req.								<=	20.0 MX MO AV	<=	30.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0.0	=	0.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00556	Oil & Grease	1 - Effluent Gross	0	--	Permit Req.								<=	10.0 MX MO AV	<=	15.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0.0			19 - mg/L		01/30 - Monthly	08 - COMP-8
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Permit Req.								<=	0.3 MX MO AV			19 - mg/L	0	01/30 - Monthly	08 - COMP-8
					Value NODI															
					Sample	=	0.1124	=	0.294	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	=	0.0	28 - ug/L		01/30 - Monthly	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.								<=	11.0 MX MO AV	<=	19.0 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
20BlackandDeckerWWTP02.pdf	pdf	1239928.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-03-23 10:38 (Time Zone: -04:00)

Report Last Signed By

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

DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	**From 02/01/20 to 02/29/20**	**DMR Due Date:**	**03/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
20BlackandDeckerWWTP02.pdf	pdf	1239928.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-03-23 10:39 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-03-23 12:14 (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 02/01/20 to 02/29/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d								01/07 - Weekly	MS - MEASRD
					Value NODI		C - No Discharge		C - No Discharge										
					Sample														
51040	E. coli	1 - Effluent Gross	0	--	Permit Req.						<=	126.0 MX WK AV					30 - MPN/100mL	01/07 - Weekly	GR - GRAB
					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
20BlackandDeckerWWTP02.pdf	pdf	1239928.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-03-23 10:39 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-03-23 12:14 (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 02/01/20 to 02/29/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	5.0 INST MIN					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge								
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	225.0 MX WK AV			26 - lb/d			<=	45.0 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	150.0 MX MO AV			26 - lb/d			<=	30.0 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00400	pH	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	113.0 MX WK AV			26 - lb/d			<=	23.0 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00530	Solids, total suspended	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	1 - Effluent Gross	2	--	Sample															
					Permit Req.			<=	27397.0 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	75.0 MX MO AV			26 - lb/d			<=	15.0 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	--	Sample															
					Permit Req.				Req Mon CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.	<=	21.0 MX DA AV			26 - lb/d			<=	4.1 MX DA AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00610	Nitrogen, ammonia total [as N]	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	9.0 MX MO AV			26 - lb/d			<=	1.8 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	2.3 MX WK AV			26 - lb/d			<=	0.45 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												01/30 - Monthly	CA - CALCTD
				Permit Req.				Req Mon MO TOTAL	76 - lb/mo								
				Value NODI				C - No Discharge									
00665 Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample												01/30 - Monthly	CA - CALCTD
				Permit Req.			<=	548.0 CUM TOTL	50 - lb/yr								
				Value NODI				C - No Discharge									
00665 Phosphorus, total [as P]	EG - Effluent Gross	0	--	Sample												01/30 - Monthly	CA - CALCTD
				Permit Req.	<=	1.5 MX MO AV			26 - lb/d		<=	0.3 MX MO AV		19 - mg/L			
				Value NODI		C - No Discharge						C - No Discharge					
04175 Phosphate, ortho [as P]	1 - Effluent Gross	0	--	Sample												02/07 - Twice Every Week	CA - CALCTD
				Permit Req.								Req Mon MO AVG		19 - mg/L			
				Value NODI								C - No Discharge					
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample												99/99 - Continuous	RF - RCDFLO
				Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								
				Value NODI		C - No Discharge		C - No Discharge									
51040 E. coli	1 - Effluent Gross	0	--	Sample												01/07 - Weekly	GR - GRAB
				Permit Req.							<=	60.0 MO MAX		30 - MPN/100mL			
				Value NODI								C - No Discharge					
82220 Flow, total	1 - Effluent Gross	0	--	Sample												01/30 - Monthly	CA - CALCTD
				Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo								
				Value NODI				C - No Discharge									

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
20BlackandDeckerWWTP02.pdf	pdf	1239928.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-03-23 10:46 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-03-23 12:14 (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 03/01/20 to 03/31/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	5.0 INST MIN					19 - mg/L		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge								
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	225.0 MX WK AV			26 - lb/d			<=	45.0 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00310	BOD, 5-day, 20 deg. C	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	150.0 MX MO AV			26 - lb/d			<=	30.0 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00400	pH	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/01 - Twice Per Day	CA - CALCTD
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	113.0 MX WK AV			26 - lb/d			<=	23.0 MX WK AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00530	Solids, total suspended	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	1 - Effluent Gross	2	--	Sample															
					Permit Req.			<=	27397.0 CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00530	Solids, total suspended	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	75.0 MX MO AV			26 - lb/d			<=	15.0 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00600	Nitrogen, total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.				Req Mon MO TOTAL	76 - lb/mo									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00600	Nitrogen, total [as N]	1 - Effluent Gross	2	--	Sample															
					Permit Req.				Req Mon CUM TOTL	50 - lb/yr									01/30 - Monthly	CA - CALCTD
					Value NODI				C - No Discharge											
00605	Nitrogen, organic total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.	<=	21.0 MX DA AV			26 - lb/d			<=	4.1 MX DA AV			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00610	Nitrogen, ammonia total [as N]	EG - Effluent Gross	0	--	Sample															
					Permit Req.	<=	9.0 MX MO AV			26 - lb/d			<=	1.8 MX MO AV			19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI		C - No Discharge							C - No Discharge						
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG			19 - mg/L		02/07 - Twice Every Week	CA - CALCTD
					Value NODI									C - No Discharge						
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample															
					Permit Req.	<=	2.3 MX WK AV			26 - lb/d			<=	0.45 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											01/30 - Monthly	CA - CALCTD
				Permit Req.				Req Mon MO TOTAL	76 - lb/mo							
				Value NODI				C - No Discharge								
00665 Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample											01/30 - Monthly	CA - CALCTD
				Permit Req.			<=	548.0 CUM TOTL	50 - lb/yr							
				Value NODI				C - No Discharge								
00665 Phosphorus, total [as P]	EG - Effluent Gross	0	--	Sample											01/30 - Monthly	CA - CALCTD
				Permit Req.	<=	1.5 MX MO AV			26 - lb/d	<=	0.3 MX MO AV		19 - mg/L			
				Value NODI		C - No Discharge					C - No Discharge					
04175 Phosphate, ortho [as P]	1 - Effluent Gross	0	--	Sample											02/07 - Twice Every Week	CA - CALCTD
				Permit Req.							Req Mon MO AVG		19 - mg/L			
				Value NODI							C - No Discharge					
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample											99/99 - Continuous	RF - RCDFLO
				Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							
				Value NODI		C - No Discharge		C - No Discharge								
51040 E. coli	1 - Effluent Gross	0	--	Sample											01/07 - Weekly	GR - GRAB
				Permit Req.						<=	60.0 MO MAX		30 - MPN/100mL			
				Value NODI							C - No Discharge					
82220 Flow, total	1 - Effluent Gross	0	--	Sample											01/30 - Monthly	CA - CALCTD
				Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo							
				Value NODI				C - No Discharge								

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
20BlackandDeckerWWTP03.pdf	pdf	1510410.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-04-10 09:45 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-04-10 10:13 (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 01/01/20 to 03/31/20	**DMR Due Date:**	04/28/20	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample								=	0.0	=	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	<=	5.0	DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample	=	0.2307	=	0.2874	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	=	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	<=	100.0	DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample								=	0.0	=	0.0	28 - ug/L		01/90 - Quarterly	GR - GRAB
78389	Tetrachloroethene	1 - Effluent Gross	0	--	Permit Req.									Req Mon MO AVG	<=	5.0	DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0.0	=	0.0	28 - ug/L		01/90 - Quarterly	GR - GRAB
78391	Trichloroethene	1 - Effluent Gross	0	--	Permit Req.									Req Mon MO AVG	<=	5.0	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
20BlackandDeckerWWTP02.pdf	pdf	1239928.0
20BlackandDeckerWWTP01.pdf	pdf	852478.0
20BlackandDeckerWWTP03.pdf	pdf	1510410.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-04-10 09:46 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-04-10 10:13 (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 03/01/20 to 03/31/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d								01/07 - Weekly	MS - MEASRD
					Value NODI		C - No Discharge		C - No Discharge										
51040	E. coli	1 - Effluent Gross	0	--	Sample														
					Permit Req.								<=	126.0 MX WK AV			30 - MPN/100mL	01/07 - Weekly	GR - GRAB
					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
20BlackandDeckerWWTP03.pdf	pdf	1510410.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-04-10 09:45 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-04-10 10:13 (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 03/01/20 to 03/31/20	**DMR Due Date:**	04/28/20	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
20BlackandDeckerWWTP03.pdf	*pdf*	*1510410.0*

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-04-10 09:44 (Time Zone: -04:00)

Report Last Signed By

User:	JAYJANNEY
Name:	Jay Janney
E-Mail:	jjann@menv.com
Date/Time:	2020-04-10 10:13 (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 03/01/20 to 03/31/20**	**DMR Due Date:**	**04/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample										=	6.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Permit Req.										<=	15.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample						=	7.2			=	7.5	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								=	5.0	=	5.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	--	Permit Req.								<=	20.0 MX MO AV	<=	30.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0.0	=	0.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00556	Oil & Grease	1 - Effluent Gross	0	--	Permit Req.								<=	10.0 MX MO AV	<=	15.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
					Sample								=	0.0			19 - mg/L		01/30 - Monthly	08 - COMP-8
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Permit Req.								<=	0.3 MX MO AV			19 - mg/L	0	01/30 - Monthly	08 - COMP-8
					Value NODI															
					Sample	=	0.1125	=	0.39	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	=	0.0	28 - ug/L		01/30 - Monthly	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.								<=	11.0 MX MO AV	<=	19.0 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
20BlackandDeckerWWTP03.pdf	pdf	1510410.0

Report Last Saved By

BTR HAMPSTEAD,LLC.

User:	AMYKLINE
Name:	Amy Kline
E-Mail:	akline@menv.com
Date/Time:	2020-04-10 09:44 (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 (JANUARY - MARCH 2020)

ALS Environmental

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

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

January 15, 2020

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3079212**
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, January 7, 2020.

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

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

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

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

CC: Mr. William Herpel , Maryland Environmental Services-WWW Data , Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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: 3079212 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3079212001	BTR 001	Waste Water	1/7/2020 09:12	1/7/2020 22:10	Collected by Client

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: 3079212 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

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: 3079212 BTR HAMPSTEAD WWTP

Lab ID: **3079212001** Date Collected: 1/7/2020 09:12 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	4.7	1	mg/L	2.0	S5210B-11			1/8/20 16:25	MXO	A
Oil/Grease Hexane Extractable	ND		mg/L	3.8	EPA 1664B			1/10/20 09:30	CXK	C
Phosphorus, Total	0.12		mg/L	0.10	EPA 365.1	1/13/20 09:10	CTD	1/13/20 11:13	CTD	D
Total Suspended Solids	6		mg/L	5	S2540D-11			1/12/20 12:22	ZXW	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: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYTICAL RESULTS

Workorder: 3079212 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3079212001	1	BTR 001	S5210B-11	Biochemical Oxygen Demand

The dilution water blank associated with this analyte had a dissolved oxygen depletion of 0.45 mg/l. Criteria states that the depletion should be at a maximum 0.2 mg/l.

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3079212 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3079212001	BTR 001	EPA 1664B	
3079212001	BTR 001	EPA 365.1	EPA 365.1
3079212001	BTR 001	S2540D-11	
3079212001	BTR 001	S5210B-11	

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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

3079212

Lab # ALS Client Code

Sampler Garrett Scheller 2500

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP (Monthly)**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time KF 10/2017

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR1	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	1/7/20	0912	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	1/7/20	0912	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	1/7/20	0912	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	1/7/20	0912	TSS

Transferred by: Garrett Scheller	Received by: J. Poynter	Date 1-7-20	Time 10:55
Transferred by: J Poynter	Received by:	Date 1/7	Time 1558
Transferred by:	Received by: COURIER / ALS COURIER	Date	Time

Cooler Receipt Information (**LAB USE ONLY**)
Sufficient ice? - Yes/No If No, temp.= 0 3.2
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date:

COMMON COURIER / ALS COURIER 1/7/20 2210

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	3074212	PW	1/8/20

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

Cooler #: _____

Temperature (°C): 0

Thermometer ID: S25

Radiological (µCi): _____

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

Rev. 4/29/2019

ALS Environmental

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

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

January 10, 2020

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3079213**
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, January 7, 2020.

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

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

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

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

CC: Mr. William Herpel, Maryland Environmental Services-WWW Data, Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3079213001	BTR 201	Water	1/7/2020 09:07	1/7/2020 22:10	Collected by Client
3079213002	BTR 201	Water	1/7/2020 09:07	1/7/2020 22:10	Collected by Client

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: 3079213 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

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213001** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			1/9/20 09:24	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			1/9/20 09:24	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
Carbon Tetrachloride	ND	2	ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
2-Chloroethylvinyl ether	ND	3,4	ug/L	5.0	EPA 624.1			1/9/20 09:24	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	102		%	72 - 142	EPA 624.1			1/9/20 09:24	PDK	A

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213001** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	110		%	73 - 119	EPA 624.1			1/9/20 09:24	PDK	A
Dibromofluoromethane (S)	105		%	74 - 132	EPA 624.1			1/9/20 09:24	PDK	A
Toluene-d8 (S)	95.2		%	75 - 133	EPA 624.1			1/9/20 09:24	PDK	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: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYTICAL RESULTS

Workorder: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213002** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			1/9/20 09:47	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			1/9/20 09:47	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			1/9/20 09:47	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	103		%	72 - 142	EPA 624.1			1/9/20 09:47	PDK	A

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213002** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
4-Bromofluorobenzene (S)	110		%	73 - 119	EPA 624.1			1/9/20 09:47	PDK	A
Dibromofluoromethane (S)	105		%	74 - 132	EPA 624.1			1/9/20 09:47	PDK	A
Toluene-d8 (S)	94.1		%	75 - 133	EPA 624.1			1/9/20 09:47	PDK	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: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYTICAL RESULTS

Workorder: 3079213 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3079213001	1	BTR 201	EPA 624.1	Acrolein
In the 624.1 analysis, this sample was incorrectly preserved to a pH<2 for the compound Acrolein. The results may be biased.				
3079213001	2	BTR 201	EPA 624.1	Carbon Tetrachloride
The QC sample type MS for method EPA 624.1 was outside the control limits for the analyte Carbon Tetrachloride. The % Recovery was reported as 144 and the control limits were 70 to 140.				
3079213001	3	BTR 201	EPA 624.1	2-Chloroethylvinyl ether
The QC sample type MS for method EPA 624.1 was outside the control limits for the analyte 2-Chloroethylvinyl ether. The % Recovery was reported as 0 and the control limits were 20 to 305.				
3079213001	4	BTR 201	EPA 624.1	2-Chloroethylvinyl ether
The QC sample type MSD for method EPA 624.1 was outside the control limits for the analyte 2-Chloroethylvinyl ether. The % Recovery was reported as 0 and the control limits were 20 to 305.				
3079213002	1	BTR 201	EPA 624.1	Acrolein
In the 624.1 analysis, this sample was incorrectly preserved to a pH<2 for the compound Acrolein. The results may be biased.				

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3079213 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3079213001	BTR 201	EPA 624.1	
3079213002	BTR 201	EPA 624.1	

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

February 12, 2020

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3084547**
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, February 4, 2020.

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

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

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

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

CC: Mr. William Herpel , Maryland Environmental Services-WWW Data , Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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

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

SAMPLE SUMMARY

Workorder: 3084547 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3084547001	BTR 001	Waste Water	2/4/2020 09:13	2/4/2020 23:00	Collected by Client

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: 3084547 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

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

ANALYTICAL RESULTS

Workorder: 3084547 BTR HAMPSTEAD WWTP

Lab ID: **3084547001** Date Collected: 2/4/2020 09:13 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 2/4/2020 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	3.9		mg/L	2.0	S5210B-11			2/5/20 18:50	MXO	A
Oil/Grease Hexane Extractable	ND		mg/L	3.8	EPA 1664B			2/7/20 06:30	MPP	D
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	2/6/20 05:30	E1P	2/7/20 09:05	CTD	C
Total Suspended Solids	6		mg/L	5	S2540D-11			2/9/20 16:50	ZXW	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: 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: 3084547 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3084547001	BTR 001	EPA 1664B	
3084547001	BTR 001	EPA 365.1	EPA 365.1
3084547001	BTR 001	S2540D-11	
3084547001	BTR 001	S5210B-11	

4542

CHAIN OF CUSTODY FORMATION FORM

Maryland Environmental Service • 529 I 08 • (410) 729-8200 • FAX (410) 729-8340

3084547

Lab # ALS Client Code _____ er Garrett Schreiber / 2500

Client Name/Phone/FAX Maryland Environmental Service | Project Name **BTR WWTP (Monthly)**

Client Address | Project Number 593-9384-1700

Invoice Address | Sample Turnaround Time KF 10/2017

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR1	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	2/4/20	0913	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	2/4/20	0913	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	2/4/20	0913	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	2/4/20	0913	TSS

Transferred by: Garrett Schr	Received by: J Pryor	Date 2/4/20	Time 10:50
Transferred by: J Pryor	Received by:	Date 2/4/20	Time 1300
Transferred by: 2/4/20	Received by: COMMON COURIER / ALS COURIER	Date	Time

Cooler Receipt Information (LAB USE ONLY)
Sufficient ice? - Yes/No If No, temp.= 0 5.8
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date:

COMMON COURIER / ALS COURIER 2/4/2020 2300

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	3084547	QV	2/5/2020

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?[1]	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #:								
Temperature (°C):	0							
Thermometer ID:	525							
Radiological (µCi):								

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

[1]Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis.

Rev 1/30/2020

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

February 6, 2020

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3084546**
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, February 4, 2020.

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

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

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

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

CC: Mr. William Herpel, Maryland Environmental Services-WWW Data, Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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: 3084546 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3084546001	BTR201	Water	2/4/2020 08:59	2/4/2020 23:00	Collected by Client

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: 3084546 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

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: 3084546 BTR HAMPSTEAD WWTP

Lab ID: **3084546001** Date Collected: 2/4/2020 08:59 Matrix: Water

Sample ID: **BTR201** Date Received: 2/4/2020 23:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			2/6/20 01:59	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			2/6/20 01:59	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			2/6/20 01:59	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	100		%	72 - 142	EPA 624.1			2/6/20 01:59	PDK	A
4-Bromofluorobenzene (S)	107		%	73 - 119	EPA 624.1			2/6/20 01:59	PDK	A
Dibromofluoromethane (S)	93.2		%	74 - 132	EPA 624.1			2/6/20 01:59	PDK	A
Toluene-d8 (S)	94.2		%	75 - 133	EPA 624.1			2/6/20 01:59	PDK	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: 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: 3084546 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3084546001	BTR201	EPA 624.1	

4546

CHAIN OF CUSTO[illegible] ORMATION FORM

Maryland Environmental Service • 259 N[illegible] • (410) 729-8200 • FAX (410) 729-8340

3084546

Laboratory ALS

[illegible]ame Garrett Scheller / [illegible] 2500

Client Name/Phone/FAX Maryland Environmental Service	Project Name BTR Hampstead WWTP
Client Address 259 Najoles Rd., Millersville, MD 21108 410-729-8200	Business Unit 593-9384-1700
Invoice Address	Sample Turnaround Time Routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR5	BTR201	Monthly Grab	40 ml Glass VOA Vial, HCL	WW	3	2/4/20	0859	1,1,1-Trichlorethane, PCE, TCE by 624 (Profile 653888, Line 7)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]

Transferred by: Garrett Scheller	Received by: [signature]	Date 2/4/20	Time 1030
Transferred by: [signature]	Received by: [signature] COMMON COURIER / ALS COURIER	Date 2/4/20	Time 1500
Transferred by: [signature] 2/4/20	Received by: COMMON COURIER / ALS COURIER	Date	Time

Cooler Receipt Information (LAB USE ONLY)
Sufficient ice? - Yes/No Temp = 0 °C
Sample containers properly pres'd? - Yes/No If No, explain
Initials: Date:

COMMON COURIER / ALS COURIER [signature] 2/4/2020 2020

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

Condition of Sample Receipt Form

Client: MES | Work Order #: 308 4546 | Initials: QJ | Date: 2/5/2020

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?[1]	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 0

Thermometer ID: 525

Radiological (µCi): _____

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

[1]Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis.

Rev 1/20/2020

ALS Environmental

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

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

January 10, 2020

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3079213**
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, January 7, 2020.

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

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

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

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

CC: Mr. William Herpel , Maryland Environmental Services-WWW Data , Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3079213001	BTR 201	Water	1/7/2020 09:07	1/7/2020 22:10	Collected by Client
3079213002	BTR 201	Water	1/7/2020 09:07	1/7/2020 22:10	Collected by Client

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: 3079213 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

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213001** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			1/9/20 09:24	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			1/9/20 09:24	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
Carbon Tetrachloride	ND	2	ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
2-Chloroethylvinyl ether	ND	3,4	ug/L	5.0	EPA 624.1			1/9/20 09:24	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			1/9/20 09:24	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			1/9/20 09:24	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	102		%	72 - 142	EPA 624.1			1/9/20 09:24	PDK	A

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213001** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	110		%	73 - 119	EPA 624.1			1/9/20 09:24	PDK	A
Dibromofluoromethane (S)	105		%	74 - 132	EPA 624.1			1/9/20 09:24	PDK	A
Toluene-d8 (S)	95.2		%	75 - 133	EPA 624.1			1/9/20 09:24	PDK	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

ANALYTICAL RESULTS

Workorder: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213002** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	1	ug/L	2.5	EPA 624.1			1/9/20 09:47	PDK	A
Acrylonitrile	ND		ug/L	5.0	EPA 624.1			1/9/20 09:47	PDK	A
Benzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Bromodichloromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Bromoform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Bromomethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
Carbon Tetrachloride	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
Chlorobenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Chloroethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
2-Chloroethylvinyl ether	ND		ug/L	5.0	EPA 624.1			1/9/20 09:47	PDK	A
Chloroform	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Chloromethane	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,2-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,3-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,4-Dichlorobenzene	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
cis-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
trans-1,3-Dichloropropene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Methylene Chloride	ND		ug/L	1.0	EPA 624.1			1/9/20 09:47	PDK	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Toluene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Trichlorofluoromethane	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Vinyl Chloride	ND		ug/L	0.50	EPA 624.1			1/9/20 09:47	PDK	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	103		%	72 - 142	EPA 624.1			1/9/20 09:47	PDK	A

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: 3079213 BTR HAMPSTEAD WWTP

Lab ID: **3079213002** Date Collected: 1/7/2020 09:07 Matrix: Water

Sample ID: **BTR 201** Date Received: 1/7/2020 22:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
4-Bromofluorobenzene (S)	110		%	73 - 119	EPA 624.1			1/9/20 09:47	PDK	A
Dibromofluoromethane (S)	105		%	74 - 132	EPA 624.1			1/9/20 09:47	PDK	A
Toluene-d8 (S)	94.1		%	75 - 133	EPA 624.1			1/9/20 09:47	PDK	A

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ANALYTICAL RESULTS

Workorder: 3079213 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3079213001	1	BTR 201	EPA 624.1	Acrolein
In the 624.1 analysis, this sample was incorrectly preserved to a pH<2 for the compound Acrolein. The results may be biased.				
3079213001	2	BTR 201	EPA 624.1	Carbon Tetrachloride
The QC sample type MS for method EPA 624.1 was outside the control limits for the analyte Carbon Tetrachloride. The % Recovery was reported as 144 and the control limits were 70 to 140.				
3079213001	3	BTR 201	EPA 624.1	2-Chloroethylvinyl ether
The QC sample type MS for method EPA 624.1 was outside the control limits for the analyte 2-Chloroethylvinyl ether. The % Recovery was reported as 0 and the control limits were 20 to 305.				
3079213001	4	BTR 201	EPA 624.1	2-Chloroethylvinyl ether
The QC sample type MSD for method EPA 624.1 was outside the control limits for the analyte 2-Chloroethylvinyl ether. The % Recovery was reported as 0 and the control limits were 20 to 305.				
3079213002	1	BTR 201	EPA 624.1	Acrolein
In the 624.1 analysis, this sample was incorrectly preserved to a pH<2 for the compound Acrolein. The results may be biased.				

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3079213 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3079213001	BTR 201	EPA 624.1	
3079213002	BTR 201	EPA 624.1	

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

March 20, 2020

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3091266**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 10, 2020.

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

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

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

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

CC: Mr. William Herpel , Maryland Environmental Services-WWW Data , Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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: 3091266 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3091266001	BTR 001 GRAB	Waste Water	3/10/2020 09:00	3/10/2020 22:15	Collected by Client
3091266002	BTR 001 COMPOSITE	Waste Water	3/10/2020 09:00	3/10/2020 22:15	Collected by Client

ALS Environmental

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

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

SAMPLE SUMMARY

Workorder: 3091266 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

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: 3091266 BTR HAMPSTEAD WWTP

Lab ID: **3091266001** Date Collected: 3/10/2020 09:00 Matrix: Waste Water

Sample ID: **BTR 001 GRAB** Date Received: 3/10/2020 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Biochemical Oxygen Demand	6.2	1	mg/L	2.0	S5210B-11			3/11/20 14:05	MXO	A
Oil/Grease Hexane Extractable	ND		mg/L	3.9	EPA 1664B			3/12/20 08:30	CXK	B
Total Suspended Solids	5		mg/L	5	S2540D-11			3/15/20 15:59	ZXW	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: 3091266 BTR HAMPSTEAD WWTP

Lab ID: **3091266002** Date Collected: 3/10/2020 09:00 Matrix: Waste Water
Sample ID: **BTR 001 COMPOSITE** Date Received: 3/10/2020 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Phosphorus, Total	ND		mg/L	0.10	EPA 365.1	3/17/20 12:10	CTD	3/19/20 13:51	CTD	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: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3091266 BTR HAMPSTEAD WWTP

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3091266001	1	BTR 001 GRAB	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

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3091266 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3091266001	BTR 001 GRAB	EPA 1664B	
3091266001	BTR 001 GRAB	S2540D-11	
3091266001	BTR 001 GRAB	S5210B-11	
3091266002	BTR 001 COMPOSITE	EPA 365.1	EPA 365.1

TIFF

CHAIN OF CUSTODY / SAMPLE INFOR

Maryland Environmental Service • 529 Najoles Rd. • Millersville, MD 21108 • (4 340

3091266

* 3 0 9 1 2 6 6 *

Lab # ALS Client Code

Sampler G 0

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP (Monthly)**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time KF 10/2017

Station No./ Sample ID	Station Location	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR1	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	3/10/20	0900	BOD
BTR2		Monthly 8 hr Comp	250 ml Plastic H2S04	WW	1	3/10/20	0900	TP
BTR3		Monthly Grab	1 Liter Glass H2S04	WW	1	3/10/20	0900	Oil and Grease
BTR4	BTR 001	Monthly Grab	1 Liter Plastic Unpreserved	WW	1	3/10/20	0900	TSS

Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by: COMMON COURIER/ALS COURIER	Date	Time

COMMON COURIER/ALS COURIER 3/10/2020 2215

Cooler Receipt Information (**LAB USE ONLY**)
Sufficient ice? - Yes/No If No, temp.= 7 4W1
Sample containers pres'd? - Yes/No If No, explain
Custody Seal present/intact? - Yes/No
Initials: Date:

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	3091296	PO	3/11/2020

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?[1]	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 2

Thermometer ID: 441

Radiological (µCi): _____

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

[1]Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis

Rev 1/20/2020

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

March 13, 2020

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

Certificate of Analysis

Project Name:	**BTR HAMPSTEAD WWTP**	Workorder:	**3091269**
Purchase Order:	**W/WW**	Workorder ID:	**BTR HAMPSTEAD WWTP**

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 10, 2020.

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

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

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

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

CC: Mr. William Herpel , Maryland Environmental Services-WWW Data , Ms. Cheryl Griffin

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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: 3091269 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3091269001	BTR201	Water	3/10/2020 08:52	3/10/2020 22:13	Collected by Client

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: 3091269 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

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: 3091269 BTR HAMPSTEAD WWTP

Lab ID: **3091269001** Date Collected: 3/10/2020 08:52 Matrix: Water

Sample ID: **BTR201** Date Received: 3/10/2020 22:13

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Tetrachloroethene	ND		ug/L	0.50	EPA 624.1			3/12/20 18:59	TMP	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 624.1			3/12/20 18:59	TMP	A
Trichloroethene	ND		ug/L	0.50	EPA 624.1			3/12/20 18:59	TMP	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	119		%	72 - 142	EPA 624.1			3/12/20 18:59	TMP	A
4-Bromofluorobenzene (S)	102		%	73 - 119	EPA 624.1			3/12/20 18:59	TMP	A
Dibromofluoromethane (S)	117		%	74 - 132	EPA 624.1			3/12/20 18:59	TMP	A
Toluene-d8 (S)	113		%	75 - 133	EPA 624.1			3/12/20 18:59	TMP	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: 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: 3091269 BTR HAMPSTEAD WWTP

Lab ID	Sample ID	Analysis Method	Prep Method
3091269001	BTR201	EPA 624.1	

CHAIN OF CUSTODY / SAMPLE INFO

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (

3091269

3091269

Laboratory ALS

Sampler Name Garrett Schaller 12500

Client Name/Phone/FAX Maryland Environmental Service

Project Name BTR Hampstead WWTP

Client Address 259 Najoles Rd., Millersville, MD 21108 410-729-8200

Business Unit 593-9384-1700

Invoice Address

Sample Turnaround Time Routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
BTR5	BTR201	Monthly Grab	40 ml Glass VOA Vial, HCL	WW	3	3/10/20	0852	1,1,1-Trichlorethane, PCE, TCE by 624 (Profile 653888, Line 7)
[redacted]								

Transferred by: Barrett Schaller	Received by:	Date 3/10/20	Time 1140
Transferred by:	Received by:	Date 3/10	Time 1630
Transferred by: COMMON COURIER/ALS COURIER 3/10/2020 2223	Received by: COMMON COURIER/ALS COURIER	Date	Time

Cooler Receipt Information (LAB USE ONLY)
Sufficient Ice? - Yes/No Temp.= 3 4 4 1
Sample containers properly pres'd? - Yes/No If No, explain
Initials: Date:

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	3091269	QD	3/11/2020

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?[1]	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: _____

Temperature (°C): 3

Thermometer ID: 441

Radiological (µCi): _____

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

[1]Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis

Rev 1/20/2020

APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(FEBRUARY 2020)

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 500-177878-1
Client Project/Site: Black and Decker

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

Attn: Mr. Richard Merhar

Authorized for release by:
2/28/2020 3:30:09 PM

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

Table of Contents

Job ID: 500-177878-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-177878-1

Receipt
The samples were received on 2/14/2020 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC/MS VOA
Method 8260B: Acetone/Methylene chloride was detected in the following samples: EW-8 (500-177878-7), EW-9 (500-177878-8), RFW-1A (500-177878-11), RFW-1B (500-177878-12), RFW-4A Dup (500-177878-17), RFW-4B (500-177878-18), RFW-6 (500-177878-19), RFW-7 (500-177878-20), RFW-9 (500-177878-21), RFW-11B (500-177878-22), RFW-13 (500-177878-24) and Trip Blank (500-177878-26). These are known lab contaminants; therefore all low level detects for this compound could possibly 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: 500-177878-1

Client Sample ID: EW-2 — Lab Sample ID: 500-177878-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.9		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	100		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	51		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-3 — Lab Sample ID: 500-177878-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	20		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.81	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-4 — Lab Sample ID: 500-177878-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	17		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EW-5 — Lab Sample ID: 500-177878-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	80		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.5		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-6 — Lab Sample ID: 500-177878-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3.1		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: EW-7 — Lab Sample ID: 500-177878-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.0		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	2.8		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.4		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-8 — Lab Sample ID: 500-177878-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	5.0		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	47		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-9 — Lab Sample ID: 500-177878-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.5	J	10	1.7	ug/L	1		8260B	Total/NA
Trichloroethene	0.45	J	0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	120		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: EW-9 Dup — Lab Sample ID: 500-177878-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.77		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	120		1.0	0.37	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 500-177878-1

Client Sample ID: EW-10 — Lab Sample ID: 500-177878-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.6		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-1A — Lab Sample ID: 500-177878-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10		10	1.7	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-1B — Lab Sample ID: 500-177878-12

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

Client Sample ID: RFW-2A — Lab Sample ID: 500-177878-13

No Detections.

Client Sample ID: RFW-2B — Lab Sample ID: 500-177878-14

No Detections.

Client Sample ID: RFW-3B — Lab Sample ID: 500-177878-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.69	J	1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A — Lab Sample ID: 500-177878-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.76	J	1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	0.46	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	23		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	20		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4A Dup — Lab Sample ID: 500-177878-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J B	10	1.7	ug/L	1		8260B	Total/NA
Trichloroethene	25		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	21		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-4B — Lab Sample ID: 500-177878-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J B	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.2		1.0	0.41	ug/L	1		8260B	Total/NA
Chloroform	1.2	J	2.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	56		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	68		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-6 — Lab Sample ID: 500-177878-19

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

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 500-177878-1

Client Sample ID: RFW-7 — Lab Sample ID: 500-177878-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J B	10	1.7	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-9 — Lab Sample ID: 500-177878-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J B	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.3		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	2.5		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.98	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-11B — Lab Sample ID: 500-177878-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J B	10	1.7	ug/L	1		8260B	Total/NA
Trichloroethene	0.68		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-12B — Lab Sample ID: 500-177878-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	58		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: RFW-13 — Lab Sample ID: 500-177878-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J B	10	1.7	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.5		1.0	0.35	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.1		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	6.3		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: RFW-17 — Lab Sample ID: 500-177878-25

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 500-177878-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.9	J B	10	1.7	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: 500-177878-1

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

Protocol References:

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

Laboratory References:

TAL CHI = 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: 500-177878-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-177878-1	EW-2	Water	02/12/20 13:45	02/14/20 10:30	
500-177878-2	EW-3	Water	02/12/20 13:55	02/14/20 10:30	
500-177878-3	EW-4	Water	02/12/20 14:05	02/14/20 10:30	
500-177878-4	EW-5	Water	02/12/20 14:15	02/14/20 10:30	
500-177878-5	EW-6	Water	02/12/20 12:25	02/14/20 10:30	
500-177878-6	EW-7	Water	02/12/20 12:15	02/14/20 10:30	
500-177878-7	EW-8	Water	02/12/20 12:10	02/14/20 10:30	
500-177878-8	EW-9	Water	02/12/20 11:55	02/14/20 10:30	
500-177878-9	EW-9 Dup	Water	02/12/20 11:55	02/14/20 10:30	
500-177878-10	EW-10	Water	02/12/20 11:50	02/14/20 10:30	
500-177878-11	RFW-1A	Water	02/12/20 13:10	02/14/20 10:30	
500-177878-12	RFW-1B	Water	02/12/20 13:25	02/14/20 10:30	
500-177878-13	RFW-2A	Water	02/12/20 10:00	02/14/20 10:30	
500-177878-14	RFW-2B	Water	02/12/20 10:35	02/14/20 10:30	
500-177878-15	RFW-3B	Water	02/12/20 11:25	02/14/20 10:30	
500-177878-16	RFW-4A	Water	02/13/20 12:40	02/14/20 10:30	
500-177878-17	RFW-4A Dup	Water	02/13/20 12:40	02/14/20 10:30	
500-177878-18	RFW-4B	Water	02/13/20 13:20	02/14/20 10:30	
500-177878-19	RFW-6	Water	02/12/20 16:20	02/14/20 10:30	
500-177878-20	RFW-7	Water	02/12/20 15:15	02/14/20 10:30	
500-177878-21	RFW-9	Water	02/13/20 11:25	02/14/20 10:30	
500-177878-22	RFW-11B	Water	02/13/20 10:30	02/14/20 10:30	
500-177878-23	RFW-12B	Water	02/13/20 14:10	02/14/20 10:30	
500-177878-24	RFW-13	Water	02/13/20 09:30	02/14/20 10:30	
500-177878-25	RFW-17	Water	02/13/20 08:30	02/14/20 10:30	
500-177878-26	Trip Blank	Water	02/12/20 07:00	02/14/20 10:30	

Client Sample ID: EW-2
Date Collected: 02/12/20 13:45
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-1
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			02/19/20 12:12	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 12:12	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 12:12	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 12:12	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 12:12	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 12:12	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 12:12	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 12:12	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 12:12	1
Acetone	<10		10	1.7	ug/L			02/19/20 12:12	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 12:12	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 12:12	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 12:12	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 12:12	1
cis-1,2-Dichloroethene	**1.9**		1.0	0.41	ug/L			02/19/20 12:12	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 12:12	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 12:12	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 12:12	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 12:12	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 12:12	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 12:12	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 12:12	1
Trichloroethene	**100**		0.50	0.16	ug/L			02/19/20 12:12	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 12:12	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 12:12	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 12:12	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 12:12	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 12:12	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 12:12	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 12:12	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 12:12	1
Tetrachloroethene	**51**		1.0	0.37	ug/L			02/19/20 12:12	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 12:12	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 12:12	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 12:12	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 12:12	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 12:12	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 12:12	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 12:12	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 12:12	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 12:12	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 12:12	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 12:12	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 12:12	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 12:12	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 12:12	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 12:12	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 12:12	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 12:12	1

Client Sample ID: EW-2
Date Collected: 02/12/20 13:45
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-1
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			02/19/20 12:12	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 12:12	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 12:12	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 12:12	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 12:12	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 12:12	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 12:12	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 12:12	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 12:12	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 12:12	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 12:12	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 12:12	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 12:12	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 12:12	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*02/19/20 12:12*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/19/20 12:12*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*02/19/20 12:12*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*02/19/20 12:12*	*1*

Client Sample ID: EW-3

Date Collected: 02/12/20 13:55
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-2

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			02/19/20 12:59	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 12:59	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 12:59	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 12:59	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 12:59	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 12:59	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 12:59	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 12:59	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 12:59	1
Acetone	<10		10	1.7	ug/L			02/19/20 12:59	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 12:59	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 12:59	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 12:59	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 12:59	1
cis-1,2-Dichloroethene	**1.5**		1.0	0.41	ug/L			02/19/20 12:59	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 12:59	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 12:59	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 12:59	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 12:59	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 12:59	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 12:59	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 12:59	1
Trichloroethene	**20**		0.50	0.16	ug/L			02/19/20 12:59	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 12:59	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 12:59	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 12:59	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 12:59	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 12:59	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 12:59	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 12:59	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 12:59	1
Tetrachloroethene	**0.81**	J	1.0	0.37	ug/L			02/19/20 12:59	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 12:59	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 12:59	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 12:59	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 12:59	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 12:59	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 12:59	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 12:59	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 12:59	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 12:59	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 12:59	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 12:59	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 12:59	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 12:59	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 12:59	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 12:59	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 12:59	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 12:59	1

Client Sample ID: EW-3
Date Collected: 02/12/20 13:55
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-2
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			02/19/20 12:59	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 12:59	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 12:59	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 12:59	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 12:59	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 12:59	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 12:59	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 12:59	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 12:59	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 12:59	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 12:59	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 12:59	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 12:59	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 12:59	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*02/19/20 12:59*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*02/19/20 12:59*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*02/19/20 12:59*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*02/19/20 12:59*	*1*

Client Sample ID: EW-4
Date Collected: 02/12/20 14:05
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-3
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			02/19/20 13:23	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 13:23	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 13:23	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 13:23	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 13:23	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 13:23	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 13:23	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 13:23	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 13:23	1
Acetone	<10		10	1.7	ug/L			02/19/20 13:23	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 13:23	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 13:23	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 13:23	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 13:23	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 13:23	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 13:23	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 13:23	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 13:23	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 13:23	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 13:23	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 13:23	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 13:23	1
Trichloroethene	17		0.50	0.16	ug/L			02/19/20 13:23	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 13:23	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 13:23	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 13:23	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 13:23	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 13:23	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 13:23	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 13:23	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 13:23	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 13:23	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 13:23	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 13:23	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 13:23	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 13:23	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 13:23	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 13:23	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 13:23	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 13:23	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 13:23	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 13:23	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 13:23	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 13:23	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 13:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 13:23	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 13:23	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 13:23	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 13:23	1

Client Sample ID: EW-4
Date Collected: 02/12/20 14:05
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-3
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			02/19/20 13:23	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 13:23	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 13:23	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 13:23	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 13:23	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 13:23	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 13:23	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 13:23	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 13:23	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 13:23	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 13:23	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 13:23	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 13:23	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 13:23	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*02/19/20 13:23*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*02/19/20 13:23*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*02/19/20 13:23*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*02/19/20 13:23*	*1*

Client Sample ID: EW-5
Date Collected: 02/12/20 14:15
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-4
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			02/19/20 13:47	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 13:47	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 13:47	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 13:47	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 13:47	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 13:47	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 13:47	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 13:47	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 13:47	1
Acetone	<10		10	1.7	ug/L			02/19/20 13:47	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 13:47	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 13:47	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 13:47	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 13:47	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 13:47	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 13:47	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 13:47	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 13:47	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 13:47	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 13:47	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 13:47	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 13:47	1
Trichloroethene	**80**		0.50	0.16	ug/L			02/19/20 13:47	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 13:47	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 13:47	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 13:47	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 13:47	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 13:47	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 13:47	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 13:47	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 13:47	1
Tetrachloroethene	**2.5**		1.0	0.37	ug/L			02/19/20 13:47	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 13:47	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 13:47	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 13:47	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 13:47	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 13:47	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 13:47	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 13:47	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 13:47	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 13:47	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 13:47	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 13:47	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 13:47	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 13:47	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 13:47	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 13:47	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 13:47	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 13:47	1

Client Sample ID: EW-5
Date Collected: 02/12/20 14:15
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-4
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			02/19/20 13:47	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 13:47	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 13:47	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 13:47	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 13:47	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 13:47	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 13:47	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 13:47	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 13:47	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 13:47	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 13:47	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 13:47	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 13:47	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 13:47	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*02/19/20 13:47*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/19/20 13:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*02/19/20 13:47*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*02/19/20 13:47*	*1*

Client Sample ID: EW-6

Date Collected: 02/12/20 12:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-5

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			02/19/20 14:34	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 14:34	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 14:34	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 14:34	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 14:34	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 14:34	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:34	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 14:34	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 14:34	1
Acetone	<10		10	1.7	ug/L			02/19/20 14:34	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 14:34	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 14:34	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 14:34	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 14:34	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 14:34	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 14:34	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:34	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 14:34	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 14:34	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 14:34	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 14:34	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 14:34	1
Trichloroethene	**3.1**		0.50	0.16	ug/L			02/19/20 14:34	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 14:34	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 14:34	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 14:34	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 14:34	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 14:34	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 14:34	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 14:34	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 14:34	1
Tetrachloroethene	**7.0**		1.0	0.37	ug/L			02/19/20 14:34	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 14:34	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 14:34	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 14:34	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 14:34	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 14:34	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 14:34	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 14:34	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 14:34	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 14:34	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 14:34	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:34	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 14:34	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 14:34	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 14:34	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 14:34	1

Client Sample ID: EW-6
Date Collected: 02/12/20 12:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-5
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			02/19/20 14:34	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 14:34	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:34	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:34	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:34	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:34	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 14:34	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:34	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:34	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 14:34	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 14:34	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 14:34	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 14:34	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 14:34	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*02/19/20 14:34*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/19/20 14:34*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*02/19/20 14:34*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*02/19/20 14:34*	*1*

Client Sample ID: EW-7
Date Collected: 02/12/20 12:15
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-6
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			02/19/20 14:58	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 14:58	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 14:58	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 14:58	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 14:58	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 14:58	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:58	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 14:58	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 14:58	1
Acetone	<10		10	1.7	ug/L			02/19/20 14:58	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 14:58	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 14:58	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 14:58	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 14:58	1
cis-1,2-Dichloroethene	**4.0**		1.0	0.41	ug/L			02/19/20 14:58	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 14:58	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:58	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 14:58	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 14:58	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 14:58	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 14:58	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 14:58	1
Trichloroethene	**2.8**		0.50	0.16	ug/L			02/19/20 14:58	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 14:58	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 14:58	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 14:58	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 14:58	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 14:58	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 14:58	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 14:58	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 14:58	1
Tetrachloroethene	**8.4**		1.0	0.37	ug/L			02/19/20 14:58	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 14:58	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 14:58	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 14:58	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 14:58	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:58	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 14:58	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 14:58	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 14:58	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 14:58	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 14:58	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 14:58	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:58	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:58	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 14:58	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 14:58	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 14:58	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 14:58	1

Client Sample ID: EW-7
Date Collected: 02/12/20 12:15
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-6
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			02/19/20 14:58	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 14:58	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:58	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:58	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:58	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:58	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 14:58	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:58	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:58	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 14:58	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 14:58	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 14:58	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 14:58	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 14:58	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*02/19/20 14:58*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/19/20 14:58*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*02/19/20 14:58*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*02/19/20 14:58*	*1*

Client Sample ID: EW-8
Date Collected: 02/12/20 12:10
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-7
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			02/19/20 15:22	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 15:22	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 15:22	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 15:22	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 15:22	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 15:22	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:22	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 15:22	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 15:22	1
Acetone	**2.8**	J	10	1.7	ug/L			02/19/20 15:22	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 15:22	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 15:22	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 15:22	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 15:22	1
cis-1,2-Dichloroethene	**25**		1.0	0.41	ug/L			02/19/20 15:22	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 15:22	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:22	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 15:22	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 15:22	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 15:22	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 15:22	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 15:22	1
Trichloroethene	**5.0**		0.50	0.16	ug/L			02/19/20 15:22	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 15:22	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 15:22	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 15:22	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 15:22	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 15:22	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 15:22	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 15:22	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 15:22	1
Tetrachloroethene	**47**		1.0	0.37	ug/L			02/19/20 15:22	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 15:22	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 15:22	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 15:22	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 15:22	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:22	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 15:22	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 15:22	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 15:22	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 15:22	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 15:22	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 15:22	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:22	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:22	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 15:22	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 15:22	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 15:22	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 15:22	1

Client Sample ID: EW-8
Date Collected: 02/12/20 12:10
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-7
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			02/19/20 15:22	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 15:22	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:22	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:22	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:22	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:22	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 15:22	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:22	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:22	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 15:22	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 15:22	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 15:22	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 15:22	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 15:22	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*02/19/20 15:22*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/19/20 15:22*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*02/19/20 15:22*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*02/19/20 15:22*	*1*

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

Job ID: 500-177878-1

Client Sample ID: EW-9
Date Collected: 02/12/20 11:55
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-8
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			02/19/20 15:46	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 15:46	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 15:46	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 15:46	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 15:46	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 15:46	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:46	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 15:46	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 15:46	1
Acetone	**2.5**	**J**	10	1.7	ug/L			02/19/20 15:46	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 15:46	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 15:46	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 15:46	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 15:46	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 15:46	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 15:46	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:46	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 15:46	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 15:46	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 15:46	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 15:46	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 15:46	1
Trichloroethene	**0.45**	**J**	0.50	0.16	ug/L			02/19/20 15:46	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 15:46	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 15:46	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 15:46	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 15:46	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 15:46	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 15:46	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 15:46	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 15:46	1
Tetrachloroethene	**120**		1.0	0.37	ug/L			02/19/20 15:46	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 15:46	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 15:46	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 15:46	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 15:46	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:46	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 15:46	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 15:46	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 15:46	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 15:46	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 15:46	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 15:46	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:46	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:46	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 15:46	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 15:46	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 15:46	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 15:46	1

Client Sample ID: EW-9
Date Collected: 02/12/20 11:55
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-8
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			02/19/20 15:46	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 15:46	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:46	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:46	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:46	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:46	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 15:46	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:46	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:46	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 15:46	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 15:46	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 15:46	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 15:46	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 15:46	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*02/19/20 15:46*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/19/20 15:46*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*02/19/20 15:46*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*02/19/20 15:46*	*1*

Client Sample ID: EW-9 Dup
Date Collected: 02/12/20 11:55
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-9
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			02/19/20 16:34	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 16:34	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 16:34	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 16:34	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 16:34	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 16:34	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 16:34	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 16:34	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 16:34	1
Acetone	<10		10	1.7	ug/L			02/19/20 16:34	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 16:34	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 16:34	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 16:34	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 16:34	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 16:34	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 16:34	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 16:34	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 16:34	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 16:34	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 16:34	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 16:34	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 16:34	1
Trichloroethene	**0.77**		0.50	0.16	ug/L			02/19/20 16:34	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 16:34	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 16:34	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 16:34	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 16:34	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 16:34	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 16:34	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 16:34	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 16:34	1
Tetrachloroethene	**120**		1.0	0.37	ug/L			02/19/20 16:34	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 16:34	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 16:34	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 16:34	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 16:34	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 16:34	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 16:34	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 16:34	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 16:34	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 16:34	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 16:34	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:34	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 16:34	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 16:34	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 16:34	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 16:34	1

Client Sample ID: EW-9 Dup
Date Collected: 02/12/20 11:55
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-9
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			02/19/20 16:34	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 16:34	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:34	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:34	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:34	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:34	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 16:34	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:34	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:34	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 16:34	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 16:34	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 16:34	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 16:34	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 16:34	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*02/19/20 16:34*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*02/19/20 16:34*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*02/19/20 16:34*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*02/19/20 16:34*	*1*

Client Sample ID: EW-10
Date Collected: 02/12/20 11:50
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-10
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			02/19/20 17:21	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 17:21	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 17:21	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 17:21	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 17:21	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 17:21	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:21	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 17:21	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 17:21	1
Acetone	<10		10	1.7	ug/L			02/19/20 17:21	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 17:21	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 17:21	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 17:21	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 17:21	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 17:21	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 17:21	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:21	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 17:21	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 17:21	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 17:21	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 17:21	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 17:21	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 17:21	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 17:21	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 17:21	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 17:21	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 17:21	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 17:21	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 17:21	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 17:21	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 17:21	1
Tetrachloroethene	**2.6**		1.0	0.37	ug/L			02/19/20 17:21	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 17:21	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 17:21	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 17:21	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 17:21	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:21	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 17:21	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 17:21	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 17:21	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 17:21	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 17:21	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 17:21	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:21	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:21	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 17:21	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 17:21	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 17:21	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 17:21	1

Client Sample ID: EW-10
Date Collected: 02/12/20 11:50
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-10
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			02/19/20 17:21	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 17:21	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:21	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:21	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:21	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:21	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 17:21	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:21	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:21	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 17:21	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 17:21	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 17:21	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 17:21	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 17:21	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*02/19/20 17:21*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*02/19/20 17:21*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 17:21*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*02/19/20 17:21*	*1*

Client Sample ID: RFW-1A
Date Collected: 02/12/20 13:10
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-11
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			02/19/20 17:45	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 17:45	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 17:45	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 17:45	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 17:45	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 17:45	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:45	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 17:45	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 17:45	1
Acetone	10		10	1.7	ug/L			02/19/20 17:45	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 17:45	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 17:45	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 17:45	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 17:45	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 17:45	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 17:45	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:45	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 17:45	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 17:45	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 17:45	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 17:45	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 17:45	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 17:45	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 17:45	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 17:45	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 17:45	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 17:45	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 17:45	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 17:45	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 17:45	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 17:45	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 17:45	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 17:45	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 17:45	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 17:45	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 17:45	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:45	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 17:45	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 17:45	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 17:45	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 17:45	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 17:45	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 17:45	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:45	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:45	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 17:45	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 17:45	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 17:45	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 17:45	1

Client Sample ID: RFW-1A
Date Collected: 02/12/20 13:10
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-11
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			02/19/20 17:45	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 17:45	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:45	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:45	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:45	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:45	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 17:45	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:45	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:45	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 17:45	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 17:45	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 17:45	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 17:45	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 17:45	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*		*02/19/20 17:45*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/19/20 17:45*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*02/19/20 17:45*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*02/19/20 17:45*	*1*

Client Sample ID: RFW-1B
Date Collected: 02/12/20 13:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-12
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			02/19/20 18:09	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 18:09	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 18:09	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 18:09	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 18:09	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 18:09	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:09	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 18:09	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 18:09	1
Acetone	<10		10	1.7	ug/L			02/19/20 18:09	1
Methylene Chloride	**2.3**	**J**	5.0	1.6	ug/L			02/19/20 18:09	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 18:09	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 18:09	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 18:09	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 18:09	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 18:09	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:09	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 18:09	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 18:09	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 18:09	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 18:09	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 18:09	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 18:09	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 18:09	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 18:09	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 18:09	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 18:09	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 18:09	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 18:09	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 18:09	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 18:09	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 18:09	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 18:09	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 18:09	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 18:09	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 18:09	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:09	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 18:09	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 18:09	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 18:09	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 18:09	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 18:09	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 18:09	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:09	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 18:09	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 18:09	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 18:09	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 18:09	1

Client Sample ID: RFW-1B
Date Collected: 02/12/20 13:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-12
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			02/19/20 18:09	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 18:09	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:09	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:09	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:09	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:09	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 18:09	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:09	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:09	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 18:09	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 18:09	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 18:09	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 18:09	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 18:09	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*02/19/20 18:09*	*1*
Toluene-d8 (Surr)	*87*		*75 - 120*		*02/19/20 18:09*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*02/19/20 18:09*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*02/19/20 18:09*	*1*

Client Sample ID: RFW-2A
Date Collected: 02/12/20 10:00
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-13
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			02/19/20 18:33	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 18:33	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 18:33	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 18:33	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 18:33	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 18:33	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:33	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 18:33	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 18:33	1
Acetone	<10		10	1.7	ug/L			02/19/20 18:33	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 18:33	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 18:33	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 18:33	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 18:33	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 18:33	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 18:33	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:33	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 18:33	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 18:33	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 18:33	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 18:33	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 18:33	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 18:33	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 18:33	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 18:33	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 18:33	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 18:33	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 18:33	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 18:33	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 18:33	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 18:33	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 18:33	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 18:33	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 18:33	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 18:33	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 18:33	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:33	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 18:33	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 18:33	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 18:33	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 18:33	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 18:33	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 18:33	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:33	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:33	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 18:33	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 18:33	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 18:33	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 18:33	1

Client Sample ID: RFW-2A
Date Collected: 02/12/20 10:00
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-13
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			02/19/20 18:33	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 18:33	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:33	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:33	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:33	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:33	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 18:33	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:33	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:33	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 18:33	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 18:33	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 18:33	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 18:33	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 18:33	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*02/19/20 18:33*	*1*
Toluene-d8 (Surr)	*86*		*75 - 120*		*02/19/20 18:33*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*02/19/20 18:33*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*02/19/20 18:33*	*1*

Client Sample ID: RFW-2B
Date Collected: 02/12/20 10:35
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-14
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			02/19/20 18:57	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 18:57	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 18:57	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 18:57	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 18:57	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 18:57	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:57	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 18:57	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 18:57	1
Acetone	<10		10	1.7	ug/L			02/19/20 18:57	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 18:57	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 18:57	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 18:57	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 18:57	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 18:57	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 18:57	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:57	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 18:57	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 18:57	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 18:57	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 18:57	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 18:57	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 18:57	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 18:57	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 18:57	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 18:57	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 18:57	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 18:57	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 18:57	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 18:57	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 18:57	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 18:57	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 18:57	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 18:57	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 18:57	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 18:57	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:57	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 18:57	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 18:57	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 18:57	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 18:57	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 18:57	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 18:57	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:57	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:57	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 18:57	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 18:57	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 18:57	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 18:57	1

Client Sample ID: RFW-2B
Date Collected: 02/12/20 10:35
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-14
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			02/19/20 18:57	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 18:57	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:57	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:57	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:57	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:57	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 18:57	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:57	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:57	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 18:57	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 18:57	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 18:57	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 18:57	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 18:57	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*02/19/20 18:57*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/19/20 18:57*	*1*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*02/19/20 18:57*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*02/19/20 18:57*	*1*

Client Sample ID: RFW-3B
Date Collected: 02/12/20 11:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-15
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			02/19/20 19:20	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 19:20	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 19:20	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 19:20	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 19:20	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 19:20	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 19:20	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 19:20	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 19:20	1
Acetone	<10		10	1.7	ug/L			02/19/20 19:20	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 19:20	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 19:20	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 19:20	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 19:20	1
cis-1,2-Dichloroethene	**0.69**	**J**	1.0	0.41	ug/L			02/19/20 19:20	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 19:20	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 19:20	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 19:20	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 19:20	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 19:20	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 19:20	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 19:20	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 19:20	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 19:20	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 19:20	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 19:20	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 19:20	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 19:20	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 19:20	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 19:20	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 19:20	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 19:20	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 19:20	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 19:20	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 19:20	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 19:20	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 19:20	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 19:20	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 19:20	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 19:20	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 19:20	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 19:20	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 19:20	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 19:20	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 19:20	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 19:20	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 19:20	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 19:20	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 19:20	1

Client Sample ID: RFW-3B
Date Collected: 02/12/20 11:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-15
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			02/19/20 19:20	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 19:20	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 19:20	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 19:20	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 19:20	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 19:20	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 19:20	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 19:20	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 19:20	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 19:20	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 19:20	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 19:20	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 19:20	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 19:20	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*02/19/20 19:20*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*02/19/20 19:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*02/19/20 19:20*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*02/19/20 19:20*	*1*

Client Sample ID: RFW-4A
Date Collected: 02/13/20 12:40
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-16
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			02/19/20 14:40	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 14:40	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 14:40	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 14:40	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 14:40	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 14:40	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:40	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 14:40	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 14:40	1
Acetone	<10		10	1.7	ug/L			02/19/20 14:40	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 14:40	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 14:40	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 14:40	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 14:40	1
cis-1,2-Dichloroethene	**0.76**	J	1.0	0.41	ug/L			02/19/20 14:40	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 14:40	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:40	1
Chloroform	**0.46**	J	2.0	0.37	ug/L			02/19/20 14:40	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 14:40	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 14:40	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 14:40	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 14:40	1
Trichloroethene	**23**		0.50	0.16	ug/L			02/19/20 14:40	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 14:40	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 14:40	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 14:40	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 14:40	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 14:40	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 14:40	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 14:40	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 14:40	1
Tetrachloroethene	**20**		1.0	0.37	ug/L			02/19/20 14:40	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 14:40	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 14:40	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 14:40	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 14:40	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:40	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 14:40	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 14:40	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 14:40	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 14:40	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 14:40	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 14:40	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:40	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:40	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 14:40	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 14:40	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 14:40	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 14:40	1

Client Sample ID: RFW-4A
Date Collected: 02/13/20 12:40
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-16
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			02/19/20 14:40	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 14:40	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:40	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:40	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:40	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:40	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 14:40	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:40	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:40	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 14:40	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 14:40	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 14:40	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 14:40	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 14:40	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*02/19/20 14:40*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 14:40*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 14:40*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/20 14:40*	*1*

Client Sample ID: RFW-4A Dup
Date Collected: 02/13/20 12:40
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-17
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			02/19/20 15:06	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 15:06	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 15:06	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 15:06	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 15:06	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 15:06	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:06	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 15:06	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 15:06	1
Acetone	**4.2**	**J B**	10	1.7	ug/L			02/19/20 15:06	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 15:06	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 15:06	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 15:06	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 15:06	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 15:06	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 15:06	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:06	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 15:06	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 15:06	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 15:06	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 15:06	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 15:06	1
Trichloroethene	**25**		0.50	0.16	ug/L			02/19/20 15:06	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 15:06	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 15:06	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 15:06	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 15:06	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 15:06	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 15:06	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 15:06	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 15:06	1
Tetrachloroethene	**21**		1.0	0.37	ug/L			02/19/20 15:06	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 15:06	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 15:06	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 15:06	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 15:06	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:06	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 15:06	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 15:06	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 15:06	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 15:06	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 15:06	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 15:06	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:06	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 15:06	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 15:06	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 15:06	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 15:06	1

Client Sample ID: RFW-4A Dup
Date Collected: 02/13/20 12:40
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-17
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			02/19/20 15:06	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 15:06	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:06	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:06	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:06	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:06	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 15:06	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:06	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:06	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 15:06	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 15:06	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 15:06	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 15:06	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 15:06	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*02/19/20 15:06*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/19/20 15:06*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 15:06*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/19/20 15:06*	*1*

Client Sample ID: RFW-4B
Date Collected: 02/13/20 13:20
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-18
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			02/19/20 15:32	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 15:32	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 15:32	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 15:32	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 15:32	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 15:32	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:32	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 15:32	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 15:32	1
Acetone	**5.2**	J B	10	1.7	ug/L			02/19/20 15:32	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 15:32	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 15:32	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 15:32	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 15:32	1
cis-1,2-Dichloroethene	**3.2**		1.0	0.41	ug/L			02/19/20 15:32	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 15:32	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:32	1
Chloroform	**1.2**	J	2.0	0.37	ug/L			02/19/20 15:32	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 15:32	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 15:32	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 15:32	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 15:32	1
Trichloroethene	**56**		0.50	0.16	ug/L			02/19/20 15:32	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 15:32	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 15:32	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 15:32	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 15:32	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 15:32	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 15:32	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 15:32	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 15:32	1
Tetrachloroethene	**68**		1.0	0.37	ug/L			02/19/20 15:32	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 15:32	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 15:32	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 15:32	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 15:32	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:32	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 15:32	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 15:32	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 15:32	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 15:32	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 15:32	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 15:32	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:32	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:32	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 15:32	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 15:32	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 15:32	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 15:32	1

Client Sample ID: RFW-4B
Date Collected: 02/13/20 13:20
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-18
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			02/19/20 15:32	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 15:32	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:32	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:32	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:32	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:32	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 15:32	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:32	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:32	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 15:32	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 15:32	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 15:32	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 15:32	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 15:32	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*02/19/20 15:32*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 15:32*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*02/19/20 15:32*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*02/19/20 15:32*	*1*

Client Sample ID: RFW-6
Date Collected: 02/12/20 16:20
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-19
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			02/19/20 15:59	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 15:59	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 15:59	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 15:59	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 15:59	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 15:59	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:59	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 15:59	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 15:59	1
Acetone	3.1	J B	10	1.7	ug/L			02/19/20 15:59	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 15:59	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 15:59	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 15:59	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 15:59	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 15:59	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 15:59	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 15:59	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 15:59	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 15:59	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 15:59	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 15:59	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 15:59	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 15:59	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 15:59	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 15:59	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 15:59	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 15:59	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 15:59	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 15:59	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 15:59	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 15:59	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 15:59	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 15:59	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 15:59	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 15:59	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 15:59	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:59	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 15:59	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 15:59	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 15:59	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 15:59	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 15:59	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 15:59	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:59	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:59	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 15:59	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 15:59	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 15:59	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 15:59	1

Client Sample ID: RFW-6
Date Collected: 02/12/20 16:20
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-19
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			02/19/20 15:59	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 15:59	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:59	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:59	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:59	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 15:59	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 15:59	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 15:59	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 15:59	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 15:59	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 15:59	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 15:59	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 15:59	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 15:59	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*02/19/20 15:59*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/19/20 15:59*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 15:59*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/19/20 15:59*	*1*

Client Sample ID: RFW-7
Date Collected: 02/12/20 15:15
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-20
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			02/19/20 16:25	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 16:25	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 16:25	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 16:25	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 16:25	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 16:25	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 16:25	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 16:25	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 16:25	1
Acetone	3.2	J B	10	1.7	ug/L			02/19/20 16:25	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 16:25	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 16:25	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 16:25	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 16:25	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 16:25	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 16:25	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 16:25	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 16:25	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 16:25	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 16:25	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 16:25	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 16:25	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 16:25	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 16:25	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 16:25	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 16:25	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 16:25	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 16:25	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 16:25	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 16:25	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 16:25	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 16:25	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 16:25	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 16:25	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 16:25	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 16:25	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:25	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 16:25	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 16:25	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 16:25	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 16:25	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 16:25	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 16:25	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:25	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:25	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 16:25	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 16:25	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 16:25	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 16:25	1

Client Sample ID: RFW-7
Date Collected: 02/12/20 15:15
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-20
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			02/19/20 16:25	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 16:25	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:25	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:25	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:25	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:25	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 16:25	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:25	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:25	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 16:25	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 16:25	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 16:25	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 16:25	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 16:25	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*02/19/20 16:25*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/19/20 16:25*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 16:25*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/20 16:25*	*1*

Client Sample ID: RFW-9
Date Collected: 02/13/20 11:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-21
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			02/19/20 16:51	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 16:51	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 16:51	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 16:51	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 16:51	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 16:51	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 16:51	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 16:51	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 16:51	1
Acetone	**3.9**	J B	10	1.7	ug/L			02/19/20 16:51	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 16:51	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 16:51	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 16:51	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 16:51	1
cis-1,2-Dichloroethene	**3.3**		1.0	0.41	ug/L			02/19/20 16:51	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 16:51	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 16:51	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 16:51	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 16:51	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 16:51	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 16:51	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 16:51	1
Trichloroethene	**2.5**		0.50	0.16	ug/L			02/19/20 16:51	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 16:51	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 16:51	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 16:51	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 16:51	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 16:51	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 16:51	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 16:51	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 16:51	1
Tetrachloroethene	**0.98**	J	1.0	0.37	ug/L			02/19/20 16:51	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 16:51	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 16:51	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 16:51	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 16:51	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:51	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 16:51	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 16:51	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 16:51	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 16:51	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 16:51	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 16:51	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:51	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 16:51	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 16:51	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 16:51	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 16:51	1

Client Sample ID: RFW-9
Date Collected: 02/13/20 11:25
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-21
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			02/19/20 16:51	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 16:51	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:51	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:51	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:51	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 16:51	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 16:51	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 16:51	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 16:51	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 16:51	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 16:51	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 16:51	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 16:51	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 16:51	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*02/19/20 16:51*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/19/20 16:51*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 16:51*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/20 16:51*	*1*

Client Sample ID: RFW-11B
Date Collected: 02/13/20 10:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-22
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			02/19/20 17:18	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 17:18	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 17:18	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 17:18	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 17:18	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 17:18	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:18	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 17:18	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 17:18	1
Acetone	**3.7**	**J B**	10	1.7	ug/L			02/19/20 17:18	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 17:18	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 17:18	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 17:18	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 17:18	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 17:18	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 17:18	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:18	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 17:18	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 17:18	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 17:18	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 17:18	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 17:18	1
Trichloroethene	**0.68**		0.50	0.16	ug/L			02/19/20 17:18	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 17:18	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 17:18	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 17:18	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 17:18	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 17:18	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 17:18	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 17:18	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 17:18	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 17:18	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 17:18	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 17:18	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 17:18	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 17:18	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:18	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 17:18	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 17:18	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 17:18	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 17:18	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 17:18	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 17:18	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:18	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 17:18	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 17:18	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 17:18	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 17:18	1

Client Sample ID: RFW-11B
Date Collected: 02/13/20 10:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-22
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			02/19/20 17:18	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 17:18	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:18	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:18	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:18	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:18	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 17:18	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:18	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:18	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 17:18	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 17:18	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 17:18	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 17:18	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 17:18	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*02/19/20 17:18*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 17:18*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 17:18*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/20 17:18*	*1*

Client Sample ID: RFW-12B
Date Collected: 02/13/20 14:10
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-23
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			02/19/20 17:44	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 17:44	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 17:44	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 17:44	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 17:44	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 17:44	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:44	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 17:44	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 17:44	1
Acetone	<10		10	1.7	ug/L			02/19/20 17:44	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 17:44	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 17:44	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 17:44	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 17:44	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.41	ug/L			02/19/20 17:44	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 17:44	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 17:44	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 17:44	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 17:44	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 17:44	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 17:44	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 17:44	1
Trichloroethene	**58**		0.50	0.16	ug/L			02/19/20 17:44	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 17:44	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 17:44	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 17:44	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 17:44	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 17:44	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 17:44	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 17:44	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 17:44	1
Tetrachloroethene	**3.5**		1.0	0.37	ug/L			02/19/20 17:44	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 17:44	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 17:44	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 17:44	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 17:44	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:44	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 17:44	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 17:44	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 17:44	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 17:44	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 17:44	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 17:44	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:44	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:44	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 17:44	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 17:44	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 17:44	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 17:44	1

Client Sample ID: RFW-12B
Date Collected: 02/13/20 14:10
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-23
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			02/19/20 17:44	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 17:44	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:44	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:44	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:44	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 17:44	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 17:44	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 17:44	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 17:44	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 17:44	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 17:44	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 17:44	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 17:44	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 17:44	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*02/19/20 17:44*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 17:44*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*02/19/20 17:44*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/19/20 17:44*	*1*

Client Sample ID: RFW-13
Date Collected: 02/13/20 09:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-24
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			02/19/20 18:10	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 18:10	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 18:10	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 18:10	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 18:10	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 18:10	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:10	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 18:10	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 18:10	1
Acetone	**3.4**	J B	10	1.7	ug/L			02/19/20 18:10	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 18:10	1
trans-1,2-Dichloroethene	**2.5**		1.0	0.35	ug/L			02/19/20 18:10	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 18:10	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 18:10	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.41	ug/L			02/19/20 18:10	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 18:10	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:10	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 18:10	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 18:10	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 18:10	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 18:10	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 18:10	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			02/19/20 18:10	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 18:10	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 18:10	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 18:10	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 18:10	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 18:10	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 18:10	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 18:10	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 18:10	1
Tetrachloroethene	**6.3**		1.0	0.37	ug/L			02/19/20 18:10	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 18:10	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 18:10	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 18:10	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 18:10	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:10	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 18:10	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 18:10	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 18:10	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 18:10	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 18:10	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 18:10	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:10	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:10	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 18:10	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 18:10	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 18:10	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 18:10	1

Client Sample ID: RFW-13
Date Collected: 02/13/20 09:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-24
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			02/19/20 18:10	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 18:10	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:10	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:10	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:10	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:10	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 18:10	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:10	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:10	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 18:10	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 18:10	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 18:10	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 18:10	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 18:10	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*02/19/20 18:10*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 18:10*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*02/19/20 18:10*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/20 18:10*	*1*

Client Sample ID: RFW-17
Date Collected: 02/13/20 08:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-25
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			02/19/20 18:36	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 18:36	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 18:36	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 18:36	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 18:36	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 18:36	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:36	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 18:36	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 18:36	1
Acetone	<10		10	1.7	ug/L			02/19/20 18:36	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 18:36	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 18:36	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 18:36	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 18:36	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 18:36	1
Methyl Ethyl Ketone	<5.0	F1	5.0	2.1	ug/L			02/19/20 18:36	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 18:36	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 18:36	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 18:36	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 18:36	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 18:36	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 18:36	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 18:36	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 18:36	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 18:36	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 18:36	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 18:36	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 18:36	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 18:36	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 18:36	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 18:36	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 18:36	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 18:36	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 18:36	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 18:36	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 18:36	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:36	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 18:36	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 18:36	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 18:36	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 18:36	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 18:36	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 18:36	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:36	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:36	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 18:36	1
1,2,3-Trichloropropane	<2.0	F1	2.0	0.41	ug/L			02/19/20 18:36	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 18:36	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 18:36	1

Client Sample ID: RFW-17
Date Collected: 02/13/20 08:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-25
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			02/19/20 18:36	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 18:36	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:36	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:36	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:36	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 18:36	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 18:36	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 18:36	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 18:36	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 18:36	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 18:36	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 18:36	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 18:36	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 18:36	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*02/19/20 18:36*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 18:36*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*02/19/20 18:36*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/20 18:36*	*1*

Client Sample ID: Trip Blank
Date Collected: 02/12/20 07:00
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-26
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			02/19/20 14:14	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 14:14	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 14:14	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 14:14	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 14:14	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 14:14	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:14	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 14:14	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 14:14	1
Acetone	2.9	J B	10	1.7	ug/L			02/19/20 14:14	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 14:14	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 14:14	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 14:14	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 14:14	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 14:14	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 14:14	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 14:14	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 14:14	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 14:14	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 14:14	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 14:14	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 14:14	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 14:14	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 14:14	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 14:14	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 14:14	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 14:14	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 14:14	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 14:14	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 14:14	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 14:14	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 14:14	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 14:14	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 14:14	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 14:14	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 14:14	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:14	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 14:14	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 14:14	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 14:14	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 14:14	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 14:14	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 14:14	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:14	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:14	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 14:14	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 14:14	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 14:14	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 14:14	1

Client Sample ID: Trip Blank
Date Collected: 02/12/20 07:00
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-26
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			02/19/20 14:14	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 14:14	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:14	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:14	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:14	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 14:14	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 14:14	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 14:14	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 14:14	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 14:14	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 14:14	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 14:14	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 14:14	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 14:14	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*02/19/20 14:14*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 14:14*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*02/19/20 14:14*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*02/19/20 14:14*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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: 530322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-177878-1	EW-2	Total/NA	Water	8260B	
500-177878-2	EW-3	Total/NA	Water	8260B	
500-177878-3	EW-4	Total/NA	Water	8260B	
500-177878-4	EW-5	Total/NA	Water	8260B	
500-177878-5	EW-6	Total/NA	Water	8260B	
500-177878-6	EW-7	Total/NA	Water	8260B	
500-177878-7	EW-8	Total/NA	Water	8260B	
500-177878-8	EW-9	Total/NA	Water	8260B	
500-177878-9	EW-9 Dup	Total/NA	Water	8260B	
500-177878-10	EW-10	Total/NA	Water	8260B	
500-177878-11	RFW-1A	Total/NA	Water	8260B	
500-177878-12	RFW-1B	Total/NA	Water	8260B	
500-177878-13	RFW-2A	Total/NA	Water	8260B	
500-177878-14	RFW-2B	Total/NA	Water	8260B	
500-177878-15	RFW-3B	Total/NA	Water	8260B	
MB 500-530322/6	Method Blank	Total/NA	Water	8260B	
LCS 500-530322/4	Lab Control Sample	Total/NA	Water	8260B	
500-177878-15 MS	RFW-3B	Total/NA	Water	8260B	
500-177878-15 MSD	RFW-3B	Total/NA	Water	8260B	

Analysis Batch: 530327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-177878-16	RFW-4A	Total/NA	Water	8260B	
500-177878-17	RFW-4A Dup	Total/NA	Water	8260B	
500-177878-18	RFW-4B	Total/NA	Water	8260B	
500-177878-19	RFW-6	Total/NA	Water	8260B	
500-177878-20	RFW-7	Total/NA	Water	8260B	
500-177878-21	RFW-9	Total/NA	Water	8260B	
500-177878-22	RFW-11B	Total/NA	Water	8260B	
500-177878-23	RFW-12B	Total/NA	Water	8260B	
500-177878-24	RFW-13	Total/NA	Water	8260B	
500-177878-25	RFW-17	Total/NA	Water	8260B	
500-177878-26	Trip Blank	Total/NA	Water	8260B	
MB 500-530327/6	Method Blank	Total/NA	Water	8260B	
LCS 500-530327/4	Lab Control Sample	Total/NA	Water	8260B	
500-177878-25 MS	RFW-17	Total/NA	Water	8260B	
500-177878-25 MSD	RFW-17	Total/NA	Water	8260B	

Surrogate Summary

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

Job ID: 500-177878-1

Method: 8260B - VOC

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (75-126)	TOL (75-120)	BFB (72-124)	DBFM (75-120)
500-177878-1	EW-2	98	105	97	105
500-177878-2	EW-3	99	98	98	99
500-177878-3	EW-4	100	98	93	102
500-177878-4	EW-5	110	96	95	108
500-177878-5	EW-6	98	95	95	104
500-177878-6	EW-7	99	95	95	104
500-177878-7	EW-8	104	96	94	105
500-177878-8	EW-9	102	96	95	106
500-177878-9	EW-9 Dup	105	89	97	106
500-177878-10	EW-10	98	102	90	98
500-177878-11	RFW-1A	114	92	85	111
500-177878-12	RFW-1B	105	87	87	106
500-177878-13	RFW-2A	98	86	89	101
500-177878-14	RFW-2B	108	95	84	109
500-177878-15	RFW-3B	111	101	100	110
500-177878-15 MS	RFW-3B	98	93	93	99
500-177878-15 MSD	RFW-3B	111	95	88	110
500-177878-16	RFW-4A	97	97	90	95
500-177878-17	RFW-4A Dup	95	96	90	94
500-177878-18	RFW-4B	96	97	91	93
500-177878-19	RFW-6	96	96	90	94
500-177878-20	RFW-7	96	96	90	95
500-177878-21	RFW-9	97	96	90	95
500-177878-22	RFW-11B	98	97	90	95
500-177878-23	RFW-12B	96	97	92	94
500-177878-24	RFW-13	96	97	89	95
500-177878-25	RFW-17	97	97	90	95
500-177878-25 MS	RFW-17	96	97	91	96
500-177878-25 MSD	RFW-17	95	97	92	96
500-177878-26	Trip Blank	95	97	88	94
LCS 500-530322/4	Lab Control Sample	97	87	103	105
LCS 500-530327/4	Lab Control Sample	94	97	89	94
MB 500-530322/6	Method Blank	101	94	89	119
MB 500-530327/6	Method Blank	95	97	89	95

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 500-530322/6
Matrix: Water
Analysis Batch: 530322

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			02/19/20 10:36	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 10:36	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 10:36	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 10:36	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 10:36	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 10:36	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 10:36	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 10:36	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 10:36	1
Acetone	<10		10	1.7	ug/L			02/19/20 10:36	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 10:36	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 10:36	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 10:36	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 10:36	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 10:36	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 10:36	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 10:36	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 10:36	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 10:36	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 10:36	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 10:36	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 10:36	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 10:36	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 10:36	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 10:36	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 10:36	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 10:36	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 10:36	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 10:36	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 10:36	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 10:36	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 10:36	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 10:36	1
2-Hexanone	<5.0		5.0	1.6	ug/L			02/19/20 10:36	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 10:36	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 10:36	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 10:36	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 10:36	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 10:36	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 10:36	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 10:36	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 10:36	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 10:36	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 10:36	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 10:36	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 10:36	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 10:36	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 10:36	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-530322/6
Matrix: Water
Analysis Batch: 530322

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			02/19/20 10:36	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/20 10:36	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 10:36	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 10:36	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 10:36	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 10:36	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 10:36	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 10:36	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 10:36	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 10:36	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 10:36	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 10:36	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 10:36	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 10:36	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 10:36	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*02/19/20 10:36*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*02/19/20 10:36*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*02/19/20 10:36*	*1*
Dibromofluoromethane	*119*		*75 - 120*		*02/19/20 10:36*	*1*

Lab Sample ID: LCS 500-530322/4
Matrix: Water
Analysis Batch: 530322

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	47.2		ug/L		94	70 - 120
Dichlorodifluoromethane	50.0	44.7		ug/L		89	40 - 159
Chloromethane	50.0	58.2		ug/L		116	56 - 152
Vinyl chloride	50.0	55.9		ug/L		112	64 - 126
Bromomethane	50.0	48.3		ug/L		97	40 - 152
Chloroethane	50.0	51.4		ug/L		103	48 - 136
Trichlorofluoromethane	50.0	56.5		ug/L		113	55 - 128
1,1-Dichloroethene	50.0	54.2		ug/L		108	67 - 122
Carbon disulfide	50.0	51.4		ug/L		103	66 - 120
Acetone	50.0	53.2		ug/L		106	40 - 143
Methylene Chloride	50.0	52.4		ug/L		105	69 - 125
trans-1,2-Dichloroethene	50.0	54.1		ug/L		108	70 - 125
1,1-Dichloroethane	50.0	57.4		ug/L		115	70 - 125
2,2-Dichloropropane	50.0	46.6		ug/L		93	58 - 139
cis-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 125
Methyl Ethyl Ketone	50.0	52.1		ug/L		104	46 - 144
Bromochloromethane	50.0	48.9		ug/L		98	65 - 122
Chloroform	50.0	43.8		ug/L		88	70 - 120
1,1,1-Trichloroethane	50.0	47.4		ug/L		95	70 - 125
1,1-Dichloropropene	50.0	46.5		ug/L		93	70 - 121

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-530322/4
Matrix: Water
Analysis Batch: 530322

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	51.4		ug/L		103	59 - 133
1,2-Dichloroethane	50.0	49.0		ug/L		98	68 - 127
Trichloroethene	50.0	51.0		ug/L		102	70 - 125
1,2-Dichloropropane	50.0	51.4		ug/L		103	67 - 130
Dibromomethane	50.0	46.0		ug/L		92	70 - 120
Bromodichloromethane	50.0	44.2		ug/L		88	69 - 120
cis-1,3-Dichloropropene	50.0	39.5		ug/L		79	64 - 127
methyl isobutyl ketone	50.0	45.9		ug/L		92	55 - 139
Toluene	50.0	41.3		ug/L		83	70 - 125
trans-1,3-Dichloropropene	50.0	38.2		ug/L		76	62 - 128
1,1,2-Trichloroethane	50.0	37.5		ug/L		75	71 - 130
Tetrachloroethene	50.0	48.7		ug/L		97	70 - 128
1,3-Dichloropropane	50.0	43.4		ug/L		87	62 - 136
2-Hexanone	50.0	52.4		ug/L		105	54 - 146
Dibromochloromethane	50.0	46.0		ug/L		92	68 - 125
1,2-Dibromoethane	50.0	45.9		ug/L		92	70 - 125
Chlorobenzene	50.0	46.4		ug/L		93	70 - 120
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	70 - 125
Ethylbenzene	50.0	47.4		ug/L		95	70 - 123
m&p-Xylene	50.0	46.0		ug/L		92	70 - 125
o-Xylene	50.0	47.3		ug/L		95	70 - 120
Styrene	50.0	46.3		ug/L		93	70 - 120
Bromoform	50.0	48.6		ug/L		97	56 - 132
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 126
Bromobenzene	50.0	50.1		ug/L		100	70 - 122
1,1,2,2-Tetrachloroethane	50.0	47.1		ug/L		94	62 - 140
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	50 - 133
N-Propylbenzene	50.0	51.5		ug/L		103	69 - 127
2-Chlorotoluene	50.0	50.2		ug/L		100	70 - 125
1,3,5-Trimethylbenzene	50.0	51.6		ug/L		103	70 - 123
4-Chlorotoluene	50.0	49.5		ug/L		99	68 - 124
tert-Butylbenzene	50.0	51.6		ug/L		103	70 - 121
1,2,4-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
sec-Butylbenzene	50.0	47.0		ug/L		94	70 - 123
1,3-Dichlorobenzene	50.0	47.8		ug/L		96	70 - 125
p-Isopropyltoluene	50.0	47.5		ug/L		95	70 - 125
1,4-Dichlorobenzene	50.0	47.1		ug/L		94	70 - 120
n-Butylbenzene	50.0	46.4		ug/L		93	68 - 125
1,2-Dichlorobenzene	50.0	48.0		ug/L		96	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	41.1		ug/L		82	56 - 123
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	57 - 137
Hexachlorobutadiene	50.0	49.7		ug/L		99	51 - 150
Naphthalene	50.0	45.5		ug/L		91	53 - 144
1,2,3-Trichlorobenzene	50.0	48.0		ug/L		96	51 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*87*		*75 - 120*

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-530322/4
Matrix: Water
Analysis Batch: 530322

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane	*105*		*75 - 120*

Lab Sample ID: 500-177878-15 MS
Matrix: Water
Analysis Batch: 530322

Client Sample ID: RFW-3B
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	44.4		ug/L		89	70 - 120
Dichlorodifluoromethane	<3.0		50.0	32.2		ug/L		64	40 - 159
Chloromethane	<1.0		50.0	49.5		ug/L		99	56 - 152
Vinyl chloride	<1.0		50.0	45.9		ug/L		92	64 - 126
Bromomethane	<3.0		50.0	46.8		ug/L		94	40 - 152
Chloroethane	<1.0		50.0	44.0		ug/L		88	48 - 136
Trichlorofluoromethane	<1.0		50.0	41.1		ug/L		82	55 - 128
1,1-Dichloroethene	<1.0		50.0	40.8		ug/L		82	67 - 122
Carbon disulfide	<2.0		50.0	39.3		ug/L		79	66 - 120
Acetone	<10		50.0	52.2		ug/L		104	40 - 143
Methylene Chloride	<5.0		50.0	46.4		ug/L		93	69 - 125
trans-1,2-Dichloroethene	<1.0		50.0	44.1		ug/L		88	70 - 125
1,1-Dichloroethane	<1.0		50.0	54.2		ug/L		108	70 - 125
2,2-Dichloropropane	<1.0		50.0	39.6		ug/L		79	58 - 139
cis-1,2-Dichloroethene	0.69	J	50.0	50.2		ug/L		99	70 - 125
Methyl Ethyl Ketone	<5.0		50.0	58.3		ug/L		117	46 - 144
Bromochloromethane	<1.0		50.0	50.7		ug/L		101	65 - 122
Chloroform	<2.0		50.0	42.8		ug/L		86	70 - 120
1,1,1-Trichloroethane	<1.0		50.0	39.8		ug/L		80	70 - 125
1,1-Dichloropropene	<1.0		50.0	41.1		ug/L		82	70 - 121
Carbon tetrachloride	<1.0		50.0	40.7		ug/L		81	59 - 133
1,2-Dichloroethane	<1.0		50.0	50.4		ug/L		101	68 - 127
Trichloroethene	<0.50		50.0	48.5		ug/L		97	70 - 125
1,2-Dichloropropane	<1.0		50.0	55.8		ug/L		112	67 - 130
Dibromomethane	<1.0		50.0	54.1		ug/L		108	70 - 120
Bromodichloromethane	<1.0		50.0	49.7		ug/L		99	69 - 120
cis-1,3-Dichloropropene	<1.0		50.0	47.0		ug/L		94	64 - 127
methyl isobutyl ketone	<5.0		50.0	62.5		ug/L		125	55 - 139
Toluene	<0.50		50.0	45.9		ug/L		92	70 - 125
trans-1,3-Dichloropropene	<1.0		50.0	46.3		ug/L		93	62 - 128
1,1,2-Trichloroethane	<1.0		50.0	49.4		ug/L		99	71 - 130
Tetrachloroethene	<1.0		50.0	43.6		ug/L		87	70 - 128
1,3-Dichloropropane	<1.0		50.0	48.6		ug/L		97	62 - 136
2-Hexanone	<5.0		50.0	63.5		ug/L		127	54 - 146
Dibromochloromethane	<1.0		50.0	49.7		ug/L		99	68 - 125
1,2-Dibromoethane	<1.0		50.0	51.4		ug/L		103	70 - 125
Chlorobenzene	<1.0		50.0	47.7		ug/L		95	70 - 120
1,1,1,2-Tetrachloroethane	<1.0		50.0	50.5		ug/L		101	70 - 125
Ethylbenzene	<0.50		50.0	44.0		ug/L		88	70 - 123
m&p-Xylene	<1.0		50.0	40.0		ug/L		80	70 - 125

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-177878-15 MS
Matrix: Water
Analysis Batch: 530322

Client Sample ID: RFW-3B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.50		50.0	42.9		ug/L		86	70 - 120
Styrene	<1.0		50.0	43.1		ug/L		86	70 - 120
Bromoform	<1.0		50.0	48.6		ug/L		97	56 - 132
Isopropylbenzene	<1.0		50.0	44.7		ug/L		89	70 - 126
Bromobenzene	<1.0		50.0	48.7		ug/L		97	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	50.3		ug/L		101	50 - 133
N-Propylbenzene	<1.0		50.0	43.1		ug/L		86	69 - 127
2-Chlorotoluene	<1.0		50.0	45.2		ug/L		90	70 - 125
1,3,5-Trimethylbenzene	<1.0		50.0	45.3		ug/L		91	70 - 123
4-Chlorotoluene	<1.0		50.0	44.3		ug/L		89	68 - 124
tert-Butylbenzene	<1.0		50.0	45.8		ug/L		92	70 - 121
1,2,4-Trimethylbenzene	<1.0		50.0	45.7		ug/L		91	70 - 123
sec-Butylbenzene	<1.0		50.0	43.4		ug/L		87	70 - 123
1,3-Dichlorobenzene	<1.0		50.0	49.4		ug/L		99	70 - 125
p-Isopropyltoluene	<1.0		50.0	43.7		ug/L		87	70 - 125
1,4-Dichlorobenzene	<1.0		50.0	47.9		ug/L		96	70 - 120
n-Butylbenzene	<1.0		50.0	40.7		ug/L		81	68 - 125
1,2-Dichlorobenzene	<1.0		50.0	50.9		ug/L		102	70 - 125
1,2-Dibromo-3-Chloropropane	<5.0		50.0	47.4		ug/L		95	56 - 123
1,2,4-Trichlorobenzene	<1.0		50.0	49.7		ug/L		99	57 - 137
Hexachlorobutadiene	<1.0		50.0	44.6		ug/L		89	51 - 150
Naphthalene	<1.0		50.0	54.2		ug/L		108	53 - 144
1,2,3-Trichlorobenzene	<1.0		50.0	52.8		ug/L		106	51 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*

Lab Sample ID: 500-177878-15 MSD
Matrix: Water
Analysis Batch: 530322

Client Sample ID: RFW-3B
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	15	20
Dichlorodifluoromethane	<3.0		50.0	31.9		ug/L		64	40 - 159	1	20
Chloromethane	<1.0		50.0	52.4		ug/L		105	56 - 152	6	20
Vinyl chloride	<1.0		50.0	45.9		ug/L		92	64 - 126	0	20
Bromomethane	<3.0		50.0	45.7		ug/L		91	40 - 152	2	20
Chloroethane	<1.0		50.0	46.5		ug/L		93	48 - 136	5	20
Trichlorofluoromethane	<1.0		50.0	45.4		ug/L		91	55 - 128	10	20
1,1-Dichloroethene	<1.0		50.0	39.1		ug/L		78	67 - 122	4	20
Carbon disulfide	<2.0		50.0	38.6		ug/L		77	66 - 120	2	20
Acetone	<10		50.0	48.0		ug/L		96	40 - 143	9	20
Methylene Chloride	<5.0		50.0	46.1		ug/L		92	69 - 125	1	20
trans-1,2-Dichloroethene	<1.0		50.0	45.2		ug/L		90	70 - 125	3	20

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-177878-15 MSD
Matrix: Water
Analysis Batch: 530322

Client Sample ID: RFW-3B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	<1.0		50.0	55.3		ug/L		111	70 - 125	2	20
2,2-Dichloropropane	<1.0		50.0	46.1		ug/L		92	58 - 139	15	20
cis-1,2-Dichloroethene	0.69	J	50.0	53.9		ug/L		106	70 - 125	7	20
Methyl Ethyl Ketone	<5.0		50.0	55.6		ug/L		111	46 - 144	5	20
Bromochloromethane	<1.0		50.0	52.9		ug/L		106	65 - 122	4	20
Chloroform	<2.0		50.0	50.0		ug/L		100	70 - 120	15	20
1,1,1-Trichloroethane	<1.0		50.0	46.6		ug/L		93	70 - 125	16	20
1,1-Dichloropropene	<1.0		50.0	45.8		ug/L		92	70 - 121	11	20
Carbon tetrachloride	<1.0		50.0	46.8		ug/L		94	59 - 133	14	20
1,2-Dichloroethane	<1.0		50.0	56.9		ug/L		114	68 - 127	12	20
Trichloroethene	<0.50		50.0	51.7		ug/L		103	70 - 125	6	20
1,2-Dichloropropane	<1.0		50.0	55.6		ug/L		111	67 - 130	0	20
Dibromomethane	<1.0		50.0	47.4		ug/L		95	70 - 120	13	20
Bromodichloromethane	<1.0		50.0	44.4		ug/L		89	69 - 120	11	20
cis-1,3-Dichloropropene	<1.0		50.0	46.2		ug/L		92	64 - 127	2	20
methyl isobutyl ketone	<5.0		50.0	52.7		ug/L		105	55 - 139	17	20
Toluene	<0.50		50.0	46.4		ug/L		93	70 - 125	1	20
trans-1,3-Dichloropropene	<1.0		50.0	45.7		ug/L		91	62 - 128	1	20
1,1,2-Trichloroethane	<1.0		50.0	47.0		ug/L		94	71 - 130	5	20
Tetrachloroethene	<1.0		50.0	47.0		ug/L		94	70 - 128	8	20
1,3-Dichloropropane	<1.0		50.0	46.5		ug/L		93	62 - 136	4	20
2-Hexanone	<5.0		50.0	53.6		ug/L		107	54 - 146	17	20
Dibromochloromethane	<1.0		50.0	50.2		ug/L		100	68 - 125	1	20
1,2-Dibromoethane	<1.0		50.0	50.4		ug/L		101	70 - 125	2	20
Chlorobenzene	<1.0		50.0	49.7		ug/L		99	70 - 120	4	20
1,1,1,2-Tetrachloroethane	<1.0		50.0	52.7		ug/L		105	70 - 125	4	20
Ethylbenzene	<0.50		50.0	47.7		ug/L		95	70 - 123	8	20
m&p-Xylene	<1.0		50.0	44.7		ug/L		89	70 - 125	11	20
o-Xylene	<0.50		50.0	47.4		ug/L		95	70 - 120	10	20
Styrene	<1.0		50.0	49.0		ug/L		98	70 - 120	13	20
Bromoform	<1.0		50.0	54.0		ug/L		108	56 - 132	10	20
Isopropylbenzene	<1.0		50.0	43.8		ug/L		88	70 - 126	2	20
Bromobenzene	<1.0		50.0	48.0		ug/L		96	70 - 122	1	20
1,1,2,2-Tetrachloroethane	<1.0		50.0	45.1		ug/L		90	62 - 140	9	20
1,2,3-Trichloropropane	<2.0		50.0	45.0		ug/L		90	50 - 133	11	20
N-Propylbenzene	<1.0		50.0	42.0		ug/L		84	69 - 127	3	20
2-Chlorotoluene	<1.0		50.0	44.7		ug/L		89	70 - 125	1	20
1,3,5-Trimethylbenzene	<1.0		50.0	49.2		ug/L		98	70 - 123	8	20
4-Chlorotoluene	<1.0		50.0	49.7		ug/L		99	68 - 124	12	20
tert-Butylbenzene	<1.0		50.0	48.3		ug/L		97	70 - 121	5	20
1,2,4-Trimethylbenzene	<1.0		50.0	50.0		ug/L		100	70 - 123	9	20
sec-Butylbenzene	<1.0		50.0	47.0		ug/L		94	70 - 123	8	20
1,3-Dichlorobenzene	<1.0		50.0	51.1		ug/L		102	70 - 125	3	20
p-Isopropyltoluene	<1.0		50.0	46.6		ug/L		93	70 - 125	6	20
1,4-Dichlorobenzene	<1.0		50.0	50.7		ug/L		101	70 - 120	6	20
n-Butylbenzene	<1.0		50.0	45.1		ug/L		90	68 - 125	10	20
1,2-Dichlorobenzene	<1.0		50.0	53.4		ug/L		107	70 - 125	5	20
1,2-Dibromo-3-Chloropropane	<5.0		50.0	41.5		ug/L		83	56 - 123	13	20
1,2,4-Trichlorobenzene	<1.0		50.0	46.4		ug/L		93	57 - 137	7	20

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-177878-15 MSD
Matrix: Water
Analysis Batch: 530322

Client Sample ID: RFW-3B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	<1.0		50.0	43.3		ug/L		87	51 - 150	3	20
Naphthalene	<1.0		50.0	50.3		ug/L		101	53 - 144	7	20
1,2,3-Trichlorobenzene	<1.0		50.0	50.1		ug/L		100	51 - 145	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*
Toluene-d8 (Surr)	*95*		*75 - 120*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane	*110*		*75 - 120*

Lab Sample ID: MB 500-530327/6
Matrix: Water
Analysis Batch: 530327

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			02/19/20 10:45	1
Dichlorodifluoromethane	<3.0		3.0	0.67	ug/L			02/19/20 10:45	1
Chloromethane	<1.0		1.0	0.32	ug/L			02/19/20 10:45	1
Vinyl chloride	<1.0		1.0	0.20	ug/L			02/19/20 10:45	1
Bromomethane	<3.0		3.0	0.80	ug/L			02/19/20 10:45	1
Chloroethane	<1.0		1.0	0.51	ug/L			02/19/20 10:45	1
Trichlorofluoromethane	<1.0		1.0	0.43	ug/L			02/19/20 10:45	1
1,1-Dichloroethene	<1.0		1.0	0.39	ug/L			02/19/20 10:45	1
Carbon disulfide	<2.0		2.0	0.45	ug/L			02/19/20 10:45	1
Acetone	1.84	J	10	1.7	ug/L			02/19/20 10:45	1
Methylene Chloride	<5.0		5.0	1.6	ug/L			02/19/20 10:45	1
trans-1,2-Dichloroethene	<1.0		1.0	0.35	ug/L			02/19/20 10:45	1
1,1-Dichloroethane	<1.0		1.0	0.41	ug/L			02/19/20 10:45	1
2,2-Dichloropropane	<1.0		1.0	0.44	ug/L			02/19/20 10:45	1
cis-1,2-Dichloroethene	<1.0		1.0	0.41	ug/L			02/19/20 10:45	1
Methyl Ethyl Ketone	<5.0		5.0	2.1	ug/L			02/19/20 10:45	1
Bromochloromethane	<1.0		1.0	0.43	ug/L			02/19/20 10:45	1
Chloroform	<2.0		2.0	0.37	ug/L			02/19/20 10:45	1
1,1,1-Trichloroethane	<1.0		1.0	0.38	ug/L			02/19/20 10:45	1
1,1-Dichloropropene	<1.0		1.0	0.30	ug/L			02/19/20 10:45	1
Carbon tetrachloride	<1.0		1.0	0.38	ug/L			02/19/20 10:45	1
1,2-Dichloroethane	<1.0		1.0	0.39	ug/L			02/19/20 10:45	1
Trichloroethene	<0.50		0.50	0.16	ug/L			02/19/20 10:45	1
1,2-Dichloropropane	<1.0		1.0	0.43	ug/L			02/19/20 10:45	1
Dibromomethane	<1.0		1.0	0.27	ug/L			02/19/20 10:45	1
Bromodichloromethane	<1.0		1.0	0.37	ug/L			02/19/20 10:45	1
cis-1,3-Dichloropropene	<1.0		1.0	0.42	ug/L			02/19/20 10:45	1
methyl isobutyl ketone	<5.0		5.0	2.2	ug/L			02/19/20 10:45	1
Toluene	<0.50		0.50	0.15	ug/L			02/19/20 10:45	1
trans-1,3-Dichloropropene	<1.0		1.0	0.36	ug/L			02/19/20 10:45	1
1,1,2-Trichloroethane	<1.0		1.0	0.35	ug/L			02/19/20 10:45	1
Tetrachloroethene	<1.0		1.0	0.37	ug/L			02/19/20 10:45	1
1,3-Dichloropropane	<1.0		1.0	0.36	ug/L			02/19/20 10:45	1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 500-530327/6
Matrix: Water
Analysis Batch: 530327

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			02/19/20 10:45	1
Dibromochloromethane	<1.0		1.0	0.49	ug/L			02/19/20 10:45	1
1,2-Dibromoethane	<1.0		1.0	0.39	ug/L			02/19/20 10:45	1
Chlorobenzene	<1.0		1.0	0.39	ug/L			02/19/20 10:45	1
1,1,1,2-Tetrachloroethane	<1.0		1.0	0.46	ug/L			02/19/20 10:45	1
Ethylbenzene	<0.50		0.50	0.18	ug/L			02/19/20 10:45	1
m&p-Xylene	<1.0		1.0	0.18	ug/L			02/19/20 10:45	1
o-Xylene	<0.50		0.50	0.22	ug/L			02/19/20 10:45	1
Styrene	<1.0		1.0	0.39	ug/L			02/19/20 10:45	1
Bromoform	<1.0		1.0	0.48	ug/L			02/19/20 10:45	1
Isopropylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 10:45	1
Bromobenzene	<1.0		1.0	0.36	ug/L			02/19/20 10:45	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	0.40	ug/L			02/19/20 10:45	1
1,2,3-Trichloropropane	<2.0		2.0	0.41	ug/L			02/19/20 10:45	1
N-Propylbenzene	<1.0		1.0	0.41	ug/L			02/19/20 10:45	1
2-Chlorotoluene	<1.0		1.0	0.31	ug/L			02/19/20 10:45	1
1,3,5-Trimethylbenzene	<1.0		1.0	0.25	ug/L			02/19/20 10:45	1
4-Chlorotoluene	<1.0		1.0	0.35	ug/L			02/19/20 10:45	1
tert-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 10:45	1
1,2,4-Trimethylbenzene	<1.0		1.0	0.36	ug/L			02/19/20 10:45	1
sec-Butylbenzene	<1.0		1.0	0.40	ug/L			02/19/20 10:45	1
1,3-Dichlorobenzene	<1.0		1.0	0.40	ug/L			02/19/20 10:45	1
p-Isopropyltoluene	<1.0		1.0	0.36	ug/L			02/19/20 10:45	1
1,4-Dichlorobenzene	<1.0		1.0	0.36	ug/L			02/19/20 10:45	1
n-Butylbenzene	<1.0		1.0	0.39	ug/L			02/19/20 10:45	1
1,2-Dichlorobenzene	<1.0		1.0	0.33	ug/L			02/19/20 10:45	1
1,2-Dibromo-3-Chloropropane	<5.0		5.0	2.0	ug/L			02/19/20 10:45	1
1,2,4-Trichlorobenzene	<1.0		1.0	0.34	ug/L			02/19/20 10:45	1
Hexachlorobutadiene	<1.0		1.0	0.45	ug/L			02/19/20 10:45	1
Naphthalene	<1.0		1.0	0.34	ug/L			02/19/20 10:45	1
1,2,3-Trichlorobenzene	<1.0		1.0	0.46	ug/L			02/19/20 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*02/19/20 10:45*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/19/20 10:45*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*02/19/20 10:45*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*02/19/20 10:45*	*1*

Lab Sample ID: LCS 500-530327/4
Matrix: Water
Analysis Batch: 530327

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	49.4		ug/L		99	70 - 120
Dichlorodifluoromethane	50.0	47.3		ug/L		95	40 - 159
Chloromethane	50.0	56.5		ug/L		113	56 - 152
Vinyl chloride	50.0	57.3		ug/L		115	64 - 126
Bromomethane	50.0	52.1		ug/L		104	40 - 152

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-530327/4
Matrix: Water
Analysis Batch: 530327

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	42.6		ug/L		85	48 - 136
Trichlorofluoromethane	50.0	48.2		ug/L		96	55 - 128
1,1-Dichloroethene	50.0	53.6		ug/L		107	67 - 122
Carbon disulfide	50.0	52.5		ug/L		105	66 - 120
Acetone	50.0	63.1		ug/L		126	40 - 143
Methylene Chloride	50.0	49.4		ug/L		99	69 - 125
trans-1,2-Dichloroethene	50.0	52.0		ug/L		104	70 - 125
1,1-Dichloroethane	50.0	53.4		ug/L		107	70 - 125
2,2-Dichloropropane	50.0	45.7		ug/L		91	58 - 139
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 125
Methyl Ethyl Ketone	50.0	69.1		ug/L		138	46 - 144
Bromochloromethane	50.0	53.2		ug/L		106	65 - 122
Chloroform	50.0	47.4		ug/L		95	70 - 120
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	70 - 125
1,1-Dichloropropene	50.0	51.2		ug/L		102	70 - 121
Carbon tetrachloride	50.0	51.4		ug/L		103	59 - 133
1,2-Dichloroethane	50.0	51.2		ug/L		102	68 - 127
Trichloroethene	50.0	54.4		ug/L		109	70 - 125
1,2-Dichloropropane	50.0	53.8		ug/L		108	67 - 130
Dibromomethane	50.0	52.0		ug/L		104	70 - 120
Bromodichloromethane	50.0	47.5		ug/L		95	69 - 120
cis-1,3-Dichloropropene	50.0	49.5		ug/L		99	64 - 127
methyl isobutyl ketone	50.0	61.4		ug/L		123	55 - 139
Toluene	50.0	49.7		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	49.3		ug/L		99	62 - 128
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	71 - 130
Tetrachloroethene	50.0	52.0		ug/L		104	70 - 128
1,3-Dichloropropane	50.0	52.1		ug/L		104	62 - 136
2-Hexanone	50.0	60.7		ug/L		121	54 - 146
Dibromochloromethane	50.0	51.4		ug/L		103	68 - 125
1,2-Dibromoethane	50.0	54.8		ug/L		110	70 - 125
Chlorobenzene	50.0	51.4		ug/L		103	70 - 120
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	70 - 125
Ethylbenzene	50.0	48.9		ug/L		98	70 - 123
m&p-Xylene	50.0	47.1		ug/L		94	70 - 125
o-Xylene	50.0	47.4		ug/L		95	70 - 120
Styrene	50.0	50.0		ug/L		100	70 - 120
Bromoform	50.0	50.3		ug/L		101	56 - 132
Isopropylbenzene	50.0	52.5		ug/L		105	70 - 126
Bromobenzene	50.0	51.2		ug/L		102	70 - 122
1,1,2,2-Tetrachloroethane	50.0	55.0		ug/L		110	62 - 140
1,2,3-Trichloropropane	50.0	61.4		ug/L		123	50 - 133
N-Propylbenzene	50.0	51.3		ug/L		103	69 - 127
2-Chlorotoluene	50.0	49.4		ug/L		99	70 - 125
1,3,5-Trimethylbenzene	50.0	51.5		ug/L		103	70 - 123
4-Chlorotoluene	50.0	48.6		ug/L		97	68 - 124
tert-Butylbenzene	50.0	54.7		ug/L		109	70 - 121
1,2,4-Trimethylbenzene	50.0	50.6		ug/L		101	70 - 123
sec-Butylbenzene	50.0	53.3		ug/L		107	70 - 123

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-530327/4
Matrix: Water
Analysis Batch: 530327

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	50.9		ug/L		102	70 - 125
p-Isopropyltoluene	50.0	53.9		ug/L		108	70 - 125
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 120
n-Butylbenzene	50.0	51.5		ug/L		103	68 - 125
1,2-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	55.1		ug/L		110	56 - 123
1,2,4-Trichlorobenzene	50.0	50.8		ug/L		102	57 - 137
Hexachlorobutadiene	50.0	48.4		ug/L		97	51 - 150
Naphthalene	50.0	58.5		ug/L		117	53 - 144
1,2,3-Trichlorobenzene	50.0	51.1		ug/L		102	51 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane	*94*		*75 - 120*

Lab Sample ID: 500-177878-25 MS
Matrix: Water
Analysis Batch: 530327

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.50		50.0	54.3		ug/L		109	70 - 120
Dichlorodifluoromethane	<3.0		50.0	45.1		ug/L		90	40 - 159
Chloromethane	<1.0		50.0	59.5		ug/L		119	56 - 152
Vinyl chloride	<1.0		50.0	58.8		ug/L		118	64 - 126
Bromomethane	<3.0		50.0	54.5		ug/L		109	40 - 152
Chloroethane	<1.0		50.0	45.3		ug/L		91	48 - 136
Trichlorofluoromethane	<1.0		50.0	48.7		ug/L		97	55 - 128
1,1-Dichloroethene	<1.0		50.0	56.9		ug/L		114	67 - 122
Carbon disulfide	<2.0		50.0	55.9		ug/L		112	66 - 120
Acetone	<10		50.0	59.4		ug/L		119	40 - 143
Methylene Chloride	<5.0		50.0	54.6		ug/L		109	69 - 125
trans-1,2-Dichloroethene	<1.0		50.0	55.8		ug/L		112	70 - 125
1,1-Dichloroethane	<1.0		50.0	58.7		ug/L		117	70 - 125
2,2-Dichloropropane	<1.0		50.0	48.6		ug/L		97	58 - 139
cis-1,2-Dichloroethene	<1.0		50.0	54.3		ug/L		109	70 - 125
Methyl Ethyl Ketone	<5.0	F1	50.0	70.6		ug/L		141	46 - 144
Bromochloromethane	<1.0		50.0	57.9		ug/L		116	65 - 122
Chloroform	<2.0		50.0	52.2		ug/L		104	70 - 120
1,1,1-Trichloroethane	<1.0		50.0	54.0		ug/L		108	70 - 125
1,1-Dichloropropene	<1.0		50.0	54.6		ug/L		109	70 - 121
Carbon tetrachloride	<1.0		50.0	54.6		ug/L		109	59 - 133
1,2-Dichloroethane	<1.0		50.0	56.8		ug/L		114	68 - 127
Trichloroethene	<0.50		50.0	57.9		ug/L		116	70 - 125
1,2-Dichloropropane	<1.0		50.0	60.7		ug/L		121	67 - 130
Dibromomethane	<1.0		50.0	57.1		ug/L		114	70 - 120
Bromodichloromethane	<1.0		50.0	51.7		ug/L		103	69 - 120

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-177878-25 MS
Matrix: Water
Analysis Batch: 530327

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	<1.0		50.0	53.2		ug/L		106	64 - 127
methyl isobutyl ketone	<5.0		50.0	62.9		ug/L		126	55 - 139
Toluene	<0.50		50.0	54.1		ug/L		108	70 - 125
trans-1,3-Dichloropropene	<1.0		50.0	53.6		ug/L		107	62 - 128
1,1,2-Trichloroethane	<1.0		50.0	57.4		ug/L		115	71 - 130
Tetrachloroethene	<1.0		50.0	55.0		ug/L		110	70 - 128
1,3-Dichloropropane	<1.0		50.0	56.7		ug/L		113	62 - 136
2-Hexanone	<5.0		50.0	62.7		ug/L		125	54 - 146
Dibromochloromethane	<1.0		50.0	55.6		ug/L		111	68 - 125
1,2-Dibromoethane	<1.0		50.0	59.4		ug/L		119	70 - 125
Chlorobenzene	<1.0		50.0	56.1		ug/L		112	70 - 120
1,1,1,2-Tetrachloroethane	<1.0		50.0	55.7		ug/L		111	70 - 125
Ethylbenzene	<0.50		50.0	52.5		ug/L		105	70 - 123
m&p-Xylene	<1.0		50.0	50.3		ug/L		101	70 - 125
o-Xylene	<0.50		50.0	51.1		ug/L		102	70 - 120
Styrene	<1.0		50.0	54.1		ug/L		108	70 - 120
Bromoform	<1.0		50.0	52.8		ug/L		106	56 - 132
Isopropylbenzene	<1.0		50.0	57.1		ug/L		114	70 - 126
Bromobenzene	<1.0		50.0	55.6		ug/L		111	70 - 122
1,1,2,2-Tetrachloroethane	<1.0		50.0	61.4		ug/L		123	62 - 140
1,2,3-Trichloropropane	<2.0	F1	50.0	68.0	F1	ug/L		136	50 - 133
N-Propylbenzene	<1.0		50.0	55.4		ug/L		111	69 - 127
2-Chlorotoluene	<1.0		50.0	54.3		ug/L		109	70 - 125
1,3,5-Trimethylbenzene	<1.0		50.0	55.8		ug/L		112	70 - 123
4-Chlorotoluene	<1.0		50.0	53.1		ug/L		106	68 - 124
tert-Butylbenzene	<1.0		50.0	59.4		ug/L		119	70 - 121
1,2,4-Trimethylbenzene	<1.0		50.0	54.9		ug/L		110	70 - 123
sec-Butylbenzene	<1.0		50.0	57.9		ug/L		116	70 - 123
1,3-Dichlorobenzene	<1.0		50.0	55.0		ug/L		110	70 - 125
p-Isopropyltoluene	<1.0		50.0	58.0		ug/L		116	70 - 125
1,4-Dichlorobenzene	<1.0		50.0	54.5		ug/L		109	70 - 120
n-Butylbenzene	<1.0		50.0	54.7		ug/L		109	68 - 125
1,2-Dichlorobenzene	<1.0		50.0	56.5		ug/L		113	70 - 125
1,2-Dibromo-3-Chloropropane	<5.0		50.0	59.6		ug/L		119	56 - 123
1,2,4-Trichlorobenzene	<1.0		50.0	51.1		ug/L		102	57 - 137
Hexachlorobutadiene	<1.0		50.0	50.7		ug/L		101	51 - 150
Naphthalene	<1.0		50.0	62.5		ug/L		125	53 - 144
1,2,3-Trichlorobenzene	<1.0		50.0	53.3		ug/L		107	51 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*96*		*75 - 120*

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-177878-25 MSD
Matrix: Water
Analysis Batch: 530327

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.50		50.0	53.9		ug/L		108	70 - 120	1	20
Dichlorodifluoromethane	<3.0		50.0	44.3		ug/L		89	40 - 159	2	20
Chloromethane	<1.0		50.0	58.0		ug/L		116	56 - 152	2	20
Vinyl chloride	<1.0		50.0	58.1		ug/L		116	64 - 126	1	20
Bromomethane	<3.0		50.0	54.1		ug/L		108	40 - 152	1	20
Chloroethane	<1.0		50.0	44.4		ug/L		89	48 - 136	2	20
Trichlorofluoromethane	<1.0		50.0	47.9		ug/L		96	55 - 128	2	20
1,1-Dichloroethene	<1.0		50.0	56.5		ug/L		113	67 - 122	1	20
Carbon disulfide	<2.0		50.0	56.3		ug/L		113	66 - 120	1	20
Acetone	<10		50.0	62.7		ug/L		125	40 - 143	5	20
Methylene Chloride	<5.0		50.0	53.9		ug/L		108	69 - 125	1	20
trans-1,2-Dichloroethene	<1.0		50.0	55.9		ug/L		112	70 - 125	0	20
1,1-Dichloroethane	<1.0		50.0	58.6		ug/L		117	70 - 125	0	20
2,2-Dichloropropane	<1.0		50.0	48.3		ug/L		97	58 - 139	1	20
cis-1,2-Dichloroethene	<1.0		50.0	54.0		ug/L		108	70 - 125	1	20
Methyl Ethyl Ketone	<5.0	F1	50.0	73.0	F1	ug/L		146	46 - 144	3	20
Bromochloromethane	<1.0		50.0	57.2		ug/L		114	65 - 122	1	20
Chloroform	<2.0		50.0	51.7		ug/L		103	70 - 120	1	20
1,1,1-Trichloroethane	<1.0		50.0	52.5		ug/L		105	70 - 125	3	20
1,1-Dichloropropene	<1.0		50.0	54.3		ug/L		109	70 - 121	1	20
Carbon tetrachloride	<1.0		50.0	54.6		ug/L		109	59 - 133	0	20
1,2-Dichloroethane	<1.0		50.0	56.1		ug/L		112	68 - 127	1	20
Trichloroethene	<0.50		50.0	57.6		ug/L		115	70 - 125	1	20
1,2-Dichloropropane	<1.0		50.0	60.1		ug/L		120	67 - 130	1	20
Dibromomethane	<1.0		50.0	55.9		ug/L		112	70 - 120	2	20
Bromodichloromethane	<1.0		50.0	51.4		ug/L		103	69 - 120	1	20
cis-1,3-Dichloropropene	<1.0		50.0	52.0		ug/L		104	64 - 127	2	20
methyl isobutyl ketone	<5.0		50.0	65.2		ug/L		130	55 - 139	4	20
Toluene	<0.50		50.0	53.3		ug/L		107	70 - 125	1	20
trans-1,3-Dichloropropene	<1.0		50.0	51.8		ug/L		104	62 - 128	3	20
1,1,2-Trichloroethane	<1.0		50.0	56.0		ug/L		112	71 - 130	3	20
Tetrachloroethene	<1.0		50.0	53.8		ug/L		108	70 - 128	2	20
1,3-Dichloropropane	<1.0		50.0	55.7		ug/L		111	62 - 136	2	20
2-Hexanone	<5.0		50.0	65.3		ug/L		131	54 - 146	4	20
Dibromochloromethane	<1.0		50.0	54.2		ug/L		108	68 - 125	3	20
1,2-Dibromoethane	<1.0		50.0	57.8		ug/L		116	70 - 125	3	20
Chlorobenzene	<1.0		50.0	54.6		ug/L		109	70 - 120	3	20
1,1,1,2-Tetrachloroethane	<1.0		50.0	54.3		ug/L		109	70 - 125	3	20
Ethylbenzene	<0.50		50.0	51.6		ug/L		103	70 - 123	2	20
m&p-Xylene	<1.0		50.0	49.5		ug/L		99	70 - 125	2	20
o-Xylene	<0.50		50.0	50.1		ug/L		100	70 - 120	2	20
Styrene	<1.0		50.0	52.8		ug/L		106	70 - 120	2	20
Bromoform	<1.0		50.0	51.4		ug/L		103	56 - 132	3	20
Isopropylbenzene	<1.0		50.0	56.6		ug/L		113	70 - 126	1	20
Bromobenzene	<1.0		50.0	55.6		ug/L		111	70 - 122	0	20
1,1,2,2-Tetrachloroethane	<1.0		50.0	60.7		ug/L		121	62 - 140	1	20
1,2,3-Trichloropropane	<2.0	F1	50.0	68.2	F1	ug/L		136	50 - 133	0	20
N-Propylbenzene	<1.0		50.0	55.3		ug/L		111	69 - 127	0	20

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-177878-25 MSD
Matrix: Water
Analysis Batch: 530327

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	<1.0		50.0	53.9		ug/L		108	70 - 125	1	20
1,3,5-Trimethylbenzene	<1.0		50.0	55.3		ug/L		111	70 - 123	1	20
4-Chlorotoluene	<1.0		50.0	52.9		ug/L		106	68 - 124	0	20
tert-Butylbenzene	<1.0		50.0	58.8		ug/L		118	70 - 121	1	20
1,2,4-Trimethylbenzene	<1.0		50.0	54.4		ug/L		109	70 - 123	1	20
sec-Butylbenzene	<1.0		50.0	57.1		ug/L		114	70 - 123	1	20
1,3-Dichlorobenzene	<1.0		50.0	54.6		ug/L		109	70 - 125	1	20
p-Isopropyltoluene	<1.0		50.0	57.1		ug/L		114	70 - 125	1	20
1,4-Dichlorobenzene	<1.0		50.0	53.8		ug/L		108	70 - 120	1	20
n-Butylbenzene	<1.0		50.0	54.0		ug/L		108	68 - 125	1	20
1,2-Dichlorobenzene	<1.0		50.0	56.1		ug/L		112	70 - 125	1	20
1,2-Dibromo-3-Chloropropane	<5.0		50.0	58.7		ug/L		117	56 - 123	1	20
1,2,4-Trichlorobenzene	<1.0		50.0	50.3		ug/L		101	57 - 137	2	20
Hexachlorobutadiene	<1.0		50.0	48.8		ug/L		98	51 - 150	4	20
Naphthalene	<1.0		50.0	62.0		ug/L		124	53 - 144	1	20
1,2,3-Trichlorobenzene	<1.0		50.0	52.1		ug/L		104	51 - 145	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane	*96*		*75 - 120*

Client Sample ID: EW-2

Lab Sample ID: 500-177878-1

Date Collected: 02/12/20 13:45

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 12:12	JLC	TAL CHI

Client Sample ID: EW-3

Lab Sample ID: 500-177878-2

Date Collected: 02/12/20 13:55

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 12:59	JLC	TAL CHI

Client Sample ID: EW-4

Lab Sample ID: 500-177878-3

Date Collected: 02/12/20 14:05

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 13:23	JLC	TAL CHI

Client Sample ID: EW-5

Lab Sample ID: 500-177878-4

Date Collected: 02/12/20 14:15

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 13:47	JLC	TAL CHI

Client Sample ID: EW-6

Lab Sample ID: 500-177878-5

Date Collected: 02/12/20 12:25

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 14:34	JLC	TAL CHI

Client Sample ID: EW-7

Lab Sample ID: 500-177878-6

Date Collected: 02/12/20 12:15

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 14:58	JLC	TAL CHI

Client Sample ID: EW-8

Lab Sample ID: 500-177878-7

Date Collected: 02/12/20 12:10

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 15:22	JLC	TAL CHI

Client Sample ID: EW-9

Lab Sample ID: 500-177878-8

Date Collected: 02/12/20 11:55

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 15:46	JLC	TAL CHI

Client Sample ID: EW-9 Dup

Lab Sample ID: 500-177878-9

Date Collected: 02/12/20 11:55

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 16:34	JLC	TAL CHI

Client Sample ID: EW-10

Lab Sample ID: 500-177878-10

Date Collected: 02/12/20 11:50

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 17:21	JLC	TAL CHI

Client Sample ID: RFW-1A

Lab Sample ID: 500-177878-11

Date Collected: 02/12/20 13:10

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 17:45	JLC	TAL CHI

Client Sample ID: RFW-1B

Lab Sample ID: 500-177878-12

Date Collected: 02/12/20 13:25

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 18:09	JLC	TAL CHI

Client Sample ID: RFW-2A

Lab Sample ID: 500-177878-13

Date Collected: 02/12/20 10:00

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 18:33	JLC	TAL CHI

Client Sample ID: RFW-2B

Lab Sample ID: 500-177878-14

Date Collected: 02/12/20 10:35

Matrix: Water

Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 18:57	JLC	TAL CHI

Client Sample ID: RFW-3B
Lab Sample ID: 500-177878-15
Date Collected: 02/12/20 11:25
Matrix: Water
Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530322	02/19/20 19:20	JLC	TAL CHI

Client Sample ID: RFW-4A
Lab Sample ID: 500-177878-16
Date Collected: 02/13/20 12:40
Matrix: Water
Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 14:40	JLC	TAL CHI

Client Sample ID: RFW-4A Dup
Lab Sample ID: 500-177878-17
Date Collected: 02/13/20 12:40
Matrix: Water
Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 15:06	JLC	TAL CHI

Client Sample ID: RFW-4B
Lab Sample ID: 500-177878-18
Date Collected: 02/13/20 13:20
Matrix: Water
Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 15:32	JLC	TAL CHI

Client Sample ID: RFW-6
Lab Sample ID: 500-177878-19
Date Collected: 02/12/20 16:20
Matrix: Water
Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 15:59	JLC	TAL CHI

Client Sample ID: RFW-7
Lab Sample ID: 500-177878-20
Date Collected: 02/12/20 15:15
Matrix: Water
Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 16:25	JLC	TAL CHI

Client Sample ID: RFW-9
Lab Sample ID: 500-177878-21
Date Collected: 02/13/20 11:25
Matrix: Water
Date Received: 02/14/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 16:51	JLC	TAL CHI

Lab Chronicle

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

Job ID: 500-177878-1

Client Sample ID: RFW-11B
Date Collected: 02/13/20 10:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 17:18	JLC	TAL CHI

Client Sample ID: RFW-12B
Date Collected: 02/13/20 14:10
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 17:44	JLC	TAL CHI

Client Sample ID: RFW-13
Date Collected: 02/13/20 09:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 18:10	JLC	TAL CHI

Client Sample ID: RFW-17
Date Collected: 02/13/20 08:30
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 18:36	JLC	TAL CHI

Client Sample ID: Trip Blank
Date Collected: 02/12/20 07:00
Date Received: 02/14/20 10:30

Lab Sample ID: 500-177878-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	530327	02/19/20 14:14	JLC	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: 500-177878-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
California	State	2903	04-30-20
Georgia	State	N/A	04-30-20
Georgia (DW)	State	939	04-30-20
Hawaii	State	NA	04-30-20
Illinois	NELAP	IL00035	04-30-20
Indiana	State	C-IL-02	04-30-20
Iowa	State	082	05-01-20
Kansas	NELAP	E-10161	11-01-20
Kentucky (UST)	State	AI # 108083	04-30-20
Kentucky (WW)	State	KY90023	12-31-20
Louisiana	NELAP	02046	06-30-20
Mississippi	State	NA	04-30-20
New York	NELAP	12019	04-01-20
North Carolina (WW/SW)	State	291	12-31-20
North Dakota	State	R-194	04-30-20
Oklahoma	State	8908	08-31-20
South Carolina	State	77001003	04-30-20
USDA	US Federal Programs	P330-18-00018	02-11-21
Wisconsin	State	999580010	08-31-20
Wyoming	State	8TMS-Q	04-30-20

Chain of Custody Record 417174 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager:	Site Contact: Greg F.	Date:	COC No:
Company Name: Western Solutions	Tel/Email:	Lab Contact: Dick Wright	Carrier:	1 of 3 COCs
Address: 1 Western Way	Analysis Turnaround Time			Sampler:
City/State/Zip: W Chester PA 19380	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 610.721.0583	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Stanley Black & Decker	☐ 1 week			
Site: Hampstead	☐ 2 days			Job / SDG No.: 500-177878
P O #	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	Sample Specific Notes:
1	EW-2	2/12/20	1345	G	W	3			✓	
2	EW-3		1355			3			✓	
3	EW-4		1405			3			✓	
4	EW-5		1415			3			✓	
5	EW-6		1225			3			✓	
6	EW-7		1215			3			✓	
7	EW-8		1210			3			✓	
8	EW-9		1155			3			✓	
9	EW-9 Dup		1155			3			✓	
10	EW-10		1150			3			✓	
11	RFW-1A		1310			3			✓	
12	RFW-1B	—	1325	—	—	3			✓	

500-177878 COC

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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.7 Corr'd:_____ Therm ID No.:_____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Western	4/13/20 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA CHT	Date/Time: 2/14/20 1030

Chain of Custody Record

417175 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name: Western Solutions	Tel/Email:	Lab Contact:	Carrier:	2 of 3 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name:	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			500-177878

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	COC	Sample Specific Notes:
13	RFW-2A	2/12/20	1000	G	W	3			✓	
14	RFW-2B		1035						✓	
15	RFW-3B		1125						✓	
16	RFW-4A	2/13/20	1240						✓	
17	RFW-4A Dup		1240						✓	
18	RFW-4B		1320						✓	
19	RFW-6	2/12/20	1620						✓	
20	RFW-7	2/12/20	1515						✓	
21	RFW-9	2/13/20	1125						✓	
22	RFW-11B		1030						✓	
23	RFW-12B		1410						✓	
24	RFW-13		930						✓	

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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:_____ Corr'd:_____	Therm ID No.:_____

Relinquished by:	Company: Western	Date/Time: 2/13/20 1700	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: TA-CHI	Date/Time: 2/14/20 1030

Chain of Custody Record

417176 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name: Western	Tel/Email:	Lab Contact:	Carrier:	3 of 3 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Stanley B+D	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			500-177878

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	Sample Specific Notes:
25	RFW-17	2/13/20	830	G	W	3			✓	
26	Trip Blank	2/12/20	700	↓	↓	2			✓	

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

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Western	Date/Time: 2/13/20 1700	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Shannon Scott	Company: TA-CHI	Date/Time: 2/14/20 1030

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

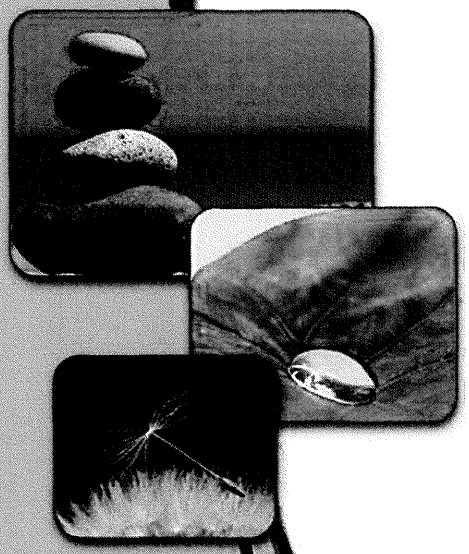
Job Number: 500-177878-1

Login Number: 177878
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

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

Laboratory Job ID: 680-180394-1
Client Project/Site: Black & Decker

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

Attn: Greg Flasinski

Amy Weinberg

Authorized for release by:
2/27/2020 11:13:34 AM

Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@testamericainc.com

Job ID: 680-180394-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative
680-180394-1

Comments
No additional comments.

Receipt
The samples were received on 2/14/2020 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3° C.

GC/MS VOA
Method 524.2: The laboratory control sample (LCS) for analytical batch 680-608651 recovered outside control limits for the following analytes: 2-Hexanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 524.2: The laboratory control sample duplicate (LCSD) for analytical batch 680-608651 recovered outside control limits for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone (MIBK). These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 524.2: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-608651 recovered outside control limits for the following analytes: 2-Methyl-2-propanol.

Method 524.2: The method blank for analytical batch 680-608651 contained 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Methylene Chloride above the method detection limit (MDL). The detection was less than 1/2 of the reporting limit (RL); therefore, re-analysis of samples was not performed.

Method 524.2: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-608651.

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

Sample Summary

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

Job ID: 680-180394-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-180394-1	Trip Blank	Water	02/12/20 07:00	02/14/20 09:00	
680-180394-2	RFW-21	Water	02/12/20 08:15	02/14/20 09:00	
680-180394-3	RFW-20	Water	02/12/20 09:05	02/14/20 09:00	
680-180394-4	HAMP-22	Water	02/12/20 13:30	02/14/20 09:00	

Method Summary

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

Job ID: 680-180394-1

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

Protocol References:

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

Laboratory References:

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

Definitions/Glossary

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

Job ID: 680-180394-1

Qualifiers

GC/MS VOA

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

Glossary

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

Client Sample ID: Trip Blank

Date Collected: 02/12/20 07:00
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			02/25/20 16:04	1
Benzene	<0.50		0.50	0.082	ug/L			02/25/20 16:04	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/25/20 16:04	1
Bromoform	<0.50		0.50	0.17	ug/L			02/25/20 16:04	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/25/20 16:04	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/25/20 16:04	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:04	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/25/20 16:04	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/25/20 16:04	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/25/20 16:04	1
Chloroform	<0.50		0.50	0.20	ug/L			02/25/20 16:04	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/25/20 16:04	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/25/20 16:04	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/25/20 16:04	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 16:04	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/25/20 16:04	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/25/20 16:04	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/25/20 16:04	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/25/20 16:04	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/25/20 16:04	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/25/20 16:04	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/25/20 16:04	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			02/25/20 16:04	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/25/20 16:04	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/25/20 16:04	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/25/20 16:04	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/25/20 16:04	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/25/20 16:04	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/25/20 16:04	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/25/20 16:04	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/25/20 16:04	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/25/20 16:04	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/25/20 16:04	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/25/20 16:04	1
Freon 113	<0.50		0.50	0.15	ug/L			02/25/20 16:04	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/25/20 16:04	1
2-Hexanone	<10	*	10	5.0	ug/L			02/25/20 16:04	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/25/20 16:04	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/25/20 16:04	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/25/20 16:04	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/25/20 16:04	1
4-Methyl-2-pentanone (MIBK)	<10	*	10	5.0	ug/L			02/25/20 16:04	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/25/20 16:04	1
Naphthalene	<1.0		1.0	0.43	ug/L			02/25/20 16:04	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:04	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:04	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/25/20 16:04	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:04	1
Styrene	<0.50		0.50	0.089	ug/L			02/25/20 16:04	1

Client Sample ID: Trip Blank
Date Collected: 02/12/20 07:00
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/25/20 16:04	1
tert-Butyl alcohol	*<10*	*	*10*	*1.6*	*ug/L*			*02/25/20 16:04*	*1*
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:04	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/25/20 16:04	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/25/20 16:04	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/25/20 16:04	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/25/20 16:04	1
Toluene	<0.50		0.50	0.086	ug/L			02/25/20 16:04	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 16:04	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/25/20 16:04	1
1,2,3-Trichlorobenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:04	1
1,2,4-Trichlorobenzene	**0.18**	**J B**	0.50	0.12	ug/L			02/25/20 16:04	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/25/20 16:04	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/25/20 16:04	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/25/20 16:04	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/25/20 16:04	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/25/20 16:04	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/25/20 16:04	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:04	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/25/20 16:04	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/25/20 16:04	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/25/20 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*02/25/20 16:04*	*1*
1,2-Dichlorobenzene-d4	*115*		*70 - 130*		*02/25/20 16:04*	*1*

Client Sample ID: RFW-21
Date Collected: 02/12/20 08:15
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.3	J	10	5.0	ug/L			02/25/20 16:28	1
Benzene	<0.50		0.50	0.082	ug/L			02/25/20 16:28	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/25/20 16:28	1
Bromoform	<0.50		0.50	0.17	ug/L			02/25/20 16:28	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/25/20 16:28	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/25/20 16:28	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:28	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/25/20 16:28	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/25/20 16:28	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/25/20 16:28	1
Chloroform	<0.50		0.50	0.20	ug/L			02/25/20 16:28	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/25/20 16:28	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/25/20 16:28	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/25/20 16:28	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 16:28	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/25/20 16:28	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/25/20 16:28	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/25/20 16:28	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/25/20 16:28	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/25/20 16:28	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/25/20 16:28	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/25/20 16:28	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			02/25/20 16:28	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/25/20 16:28	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/25/20 16:28	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/25/20 16:28	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/25/20 16:28	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/25/20 16:28	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/25/20 16:28	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/25/20 16:28	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/25/20 16:28	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/25/20 16:28	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/25/20 16:28	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/25/20 16:28	1
Freon 113	<0.50		0.50	0.15	ug/L			02/25/20 16:28	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/25/20 16:28	1
2-Hexanone	<10	*	10	5.0	ug/L			02/25/20 16:28	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/25/20 16:28	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/25/20 16:28	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/25/20 16:28	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/25/20 16:28	1
4-Methyl-2-pentanone (MIBK)	<10	*	10	5.0	ug/L			02/25/20 16:28	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/25/20 16:28	1
Naphthalene	<1.0		1.0	0.43	ug/L			02/25/20 16:28	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:28	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:28	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/25/20 16:28	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:28	1
Styrene	<0.50		0.50	0.089	ug/L			02/25/20 16:28	1

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

Job ID: 680-180394-1

Client Sample ID: RFW-21
Date Collected: 02/12/20 08:15
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/25/20 16:28	1
tert-Butyl alcohol	<10	*	10	1.6	ug/L			02/25/20 16:28	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:28	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/25/20 16:28	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/25/20 16:28	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/25/20 16:28	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/25/20 16:28	1
Toluene	<0.50		0.50	0.086	ug/L			02/25/20 16:28	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 16:28	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/25/20 16:28	1
1,2,3-Trichlorobenzene	**0.15**	J B	0.50	0.14	ug/L			02/25/20 16:28	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.12	ug/L			02/25/20 16:28	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/25/20 16:28	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/25/20 16:28	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/25/20 16:28	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/25/20 16:28	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/25/20 16:28	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/25/20 16:28	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:28	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/25/20 16:28	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/25/20 16:28	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/25/20 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*02/25/20 16:28*	*1*
1,2-Dichlorobenzene-d4	*113*		*70 - 130*		*02/25/20 16:28*	*1*

Client Sample ID: RFW-20
Date Collected: 02/12/20 09:05
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			02/25/20 16:53	1
Benzene	<0.50		0.50	0.082	ug/L			02/25/20 16:53	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/25/20 16:53	1
Bromoform	<0.50		0.50	0.17	ug/L			02/25/20 16:53	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/25/20 16:53	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/25/20 16:53	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:53	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/25/20 16:53	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/25/20 16:53	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/25/20 16:53	1
Chloroform	<0.50		0.50	0.20	ug/L			02/25/20 16:53	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/25/20 16:53	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/25/20 16:53	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/25/20 16:53	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 16:53	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/25/20 16:53	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/25/20 16:53	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/25/20 16:53	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/25/20 16:53	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/25/20 16:53	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/25/20 16:53	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/25/20 16:53	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			02/25/20 16:53	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/25/20 16:53	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/25/20 16:53	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/25/20 16:53	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/25/20 16:53	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/25/20 16:53	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/25/20 16:53	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/25/20 16:53	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/25/20 16:53	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/25/20 16:53	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/25/20 16:53	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/25/20 16:53	1
Freon 113	<0.50		0.50	0.15	ug/L			02/25/20 16:53	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/25/20 16:53	1
2-Hexanone	<10	*	10	5.0	ug/L			02/25/20 16:53	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/25/20 16:53	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/25/20 16:53	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/25/20 16:53	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/25/20 16:53	1
4-Methyl-2-pentanone (MIBK)	<10	*	10	5.0	ug/L			02/25/20 16:53	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/25/20 16:53	1
Naphthalene	<1.0		1.0	0.43	ug/L			02/25/20 16:53	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:53	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:53	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/25/20 16:53	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:53	1
Styrene	<0.50		0.50	0.089	ug/L			02/25/20 16:53	1

Client Sample ID: RFW-20
Date Collected: 02/12/20 09:05
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/25/20 16:53	1
tert-Butyl alcohol	<10	*	10	1.6	ug/L			02/25/20 16:53	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 16:53	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/25/20 16:53	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/25/20 16:53	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/25/20 16:53	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/25/20 16:53	1
Toluene	<0.50		0.50	0.086	ug/L			02/25/20 16:53	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 16:53	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/25/20 16:53	1
1,2,3-Trichlorobenzene	**0.17**	**J B**	0.50	0.14	ug/L			02/25/20 16:53	1
1,2,4-Trichlorobenzene	**0.18**	**J B**	0.50	0.12	ug/L			02/25/20 16:53	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/25/20 16:53	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/25/20 16:53	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/25/20 16:53	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/25/20 16:53	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/25/20 16:53	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/25/20 16:53	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 16:53	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/25/20 16:53	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/25/20 16:53	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/25/20 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*02/25/20 16:53*	*1*
1,2-Dichlorobenzene-d4	*114*		*70 - 130*		*02/25/20 16:53*	*1*

Client Sample ID: HAMP-22

Date Collected: 02/12/20 13:30
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-4

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			02/25/20 17:17	1
Benzene	<0.50		0.50	0.082	ug/L			02/25/20 17:17	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/25/20 17:17	1
Bromoform	<0.50		0.50	0.17	ug/L			02/25/20 17:17	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/25/20 17:17	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/25/20 17:17	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/25/20 17:17	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/25/20 17:17	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/25/20 17:17	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/25/20 17:17	1
Chloroform	<0.50		0.50	0.20	ug/L			02/25/20 17:17	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/25/20 17:17	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/25/20 17:17	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/25/20 17:17	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 17:17	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/25/20 17:17	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/25/20 17:17	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/25/20 17:17	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/25/20 17:17	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/25/20 17:17	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/25/20 17:17	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/25/20 17:17	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			02/25/20 17:17	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/25/20 17:17	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/25/20 17:17	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/25/20 17:17	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/25/20 17:17	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/25/20 17:17	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/25/20 17:17	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/25/20 17:17	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/25/20 17:17	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/25/20 17:17	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/25/20 17:17	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/25/20 17:17	1
Freon 113	<0.50		0.50	0.15	ug/L			02/25/20 17:17	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/25/20 17:17	1
2-Hexanone	<10	*	10	5.0	ug/L			02/25/20 17:17	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/25/20 17:17	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/25/20 17:17	1
Methylene Chloride	<0.50		0.50	0.20	ug/L			02/25/20 17:17	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/25/20 17:17	1
4-Methyl-2-pentanone (MIBK)	<10	*	10	5.0	ug/L			02/25/20 17:17	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/25/20 17:17	1
Naphthalene	<1.0		1.0	0.43	ug/L			02/25/20 17:17	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 17:17	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 17:17	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/25/20 17:17	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 17:17	1
Styrene	<0.50		0.50	0.089	ug/L			02/25/20 17:17	1

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

Job ID: 680-180394-1

Client Sample ID: HAMP-22
Date Collected: 02/12/20 13:30
Date Received: 02/14/20 09:00

Lab Sample ID: 680-180394-4
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			02/25/20 17:17	1
tert-Butyl alcohol	<10	*	10	1.6	ug/L			02/25/20 17:17	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 17:17	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/25/20 17:17	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/25/20 17:17	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/25/20 17:17	1
Tetrachloroethene	**1.2**		0.50	0.18	ug/L			02/25/20 17:17	1
Toluene	<0.50		0.50	0.086	ug/L			02/25/20 17:17	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 17:17	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/25/20 17:17	1
1,2,3-Trichlorobenzene	**0.20**	J B	0.50	0.14	ug/L			02/25/20 17:17	1
1,2,4-Trichlorobenzene	**0.16**	J B	0.50	0.12	ug/L			02/25/20 17:17	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/25/20 17:17	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/25/20 17:17	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/25/20 17:17	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/25/20 17:17	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/25/20 17:17	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/25/20 17:17	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 17:17	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/25/20 17:17	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/25/20 17:17	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/25/20 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*02/25/20 17:17*	*1*
1,2-Dichlorobenzene-d4	*106*		*70 - 130*		*02/25/20 17:17*	*1*

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

Lab Sample ID: MB 680-608651/9
Matrix: Water
Analysis Batch: 608651

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		10	5.0	ug/L			02/25/20 15:39	1
Benzene	<0.50		0.50	0.082	ug/L			02/25/20 15:39	1
Bromobenzene	<0.50		0.50	0.091	ug/L			02/25/20 15:39	1
Bromoform	<0.50		0.50	0.17	ug/L			02/25/20 15:39	1
Bromomethane	<1.0		1.0	0.20	ug/L			02/25/20 15:39	1
Carbon tetrachloride	<0.50		0.50	0.11	ug/L			02/25/20 15:39	1
Chlorobenzene	<0.50		0.50	0.14	ug/L			02/25/20 15:39	1
Chlorobromomethane	<0.50		0.50	0.30	ug/L			02/25/20 15:39	1
Chlorodibromomethane	<0.50		0.50	0.13	ug/L			02/25/20 15:39	1
Chloroethane	<1.0		1.0	0.22	ug/L			02/25/20 15:39	1
Chloroform	<0.50		0.50	0.20	ug/L			02/25/20 15:39	1
Chloromethane	<0.50		0.50	0.15	ug/L			02/25/20 15:39	1
2-Chlorotoluene	<0.50		0.50	0.11	ug/L			02/25/20 15:39	1
4-Chlorotoluene	<0.50		0.50	0.13	ug/L			02/25/20 15:39	1
cis-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 15:39	1
cis-1,3-Dichloropropene	<0.50		0.50	0.081	ug/L			02/25/20 15:39	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	0.30	ug/L			02/25/20 15:39	1
Dibromomethane	<0.50		0.50	0.16	ug/L			02/25/20 15:39	1
1,2-Dichlorobenzene	<0.50		0.50	0.16	ug/L			02/25/20 15:39	1
1,3-Dichlorobenzene	<0.50		0.50	0.11	ug/L			02/25/20 15:39	1
1,4-Dichlorobenzene	<0.50		0.50	0.13	ug/L			02/25/20 15:39	1
Dichlorobromomethane	<0.50		0.50	0.079	ug/L			02/25/20 15:39	1
Dichlorodifluoromethane	<0.50		0.50	0.34	ug/L			02/25/20 15:39	1
1,1-Dichloroethane	<0.50		0.50	0.078	ug/L			02/25/20 15:39	1
1,2-Dichloroethane	<0.50		0.50	0.086	ug/L			02/25/20 15:39	1
1,1-Dichloroethene	<0.50		0.50	0.15	ug/L			02/25/20 15:39	1
1,2-Dichloropropane	<0.50		0.50	0.096	ug/L			02/25/20 15:39	1
1,3-Dichloropropane	<0.50		0.50	0.10	ug/L			02/25/20 15:39	1
2,2-Dichloropropane	<0.50		0.50	0.20	ug/L			02/25/20 15:39	1
1,1-Dichloropropene	<0.50		0.50	0.095	ug/L			02/25/20 15:39	1
1,3-Dichloropropene, Total	<0.50		0.50	0.081	ug/L			02/25/20 15:39	1
Diisopropyl ether	<0.50		0.50	0.28	ug/L			02/25/20 15:39	1
Ethylbenzene	<0.50		0.50	0.099	ug/L			02/25/20 15:39	1
Ethylene Dibromide	<0.50		0.50	0.20	ug/L			02/25/20 15:39	1
Freon 113	<0.50		0.50	0.15	ug/L			02/25/20 15:39	1
Hexachlorobutadiene	<0.50		0.50	0.26	ug/L			02/25/20 15:39	1
2-Hexanone	<10		10	5.0	ug/L			02/25/20 15:39	1
Isopropylbenzene	<0.50		0.50	0.15	ug/L			02/25/20 15:39	1
4-Isopropyltoluene	<0.50		0.50	0.21	ug/L			02/25/20 15:39	1
Methylene Chloride	0.244	J	0.50	0.20	ug/L			02/25/20 15:39	1
2-Butanone (MEK)	<10		10	5.0	ug/L			02/25/20 15:39	1
4-Methyl-2-pentanone (MIBK)	<10		10	5.0	ug/L			02/25/20 15:39	1
m-Xylene & p-Xylene	<0.50		0.50	0.15	ug/L			02/25/20 15:39	1
Naphthalene	<1.0		1.0	0.43	ug/L			02/25/20 15:39	1
n-Butylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 15:39	1
N-Propylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 15:39	1
o-Xylene	<0.50		0.50	0.086	ug/L			02/25/20 15:39	1
sec-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 15:39	1

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

Lab Sample ID: MB 680-608651/9
Matrix: Water
Analysis Batch: 608651

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.50		0.50	0.089	ug/L			02/25/20 15:39	1
Tert-amyl methyl ether	<0.50		0.50	0.20	ug/L			02/25/20 15:39	1
tert-Butyl alcohol	<10		10	1.6	ug/L			02/25/20 15:39	1
tert-Butylbenzene	<0.50		0.50	0.14	ug/L			02/25/20 15:39	1
Tert-butyl ethyl ether	<0.50		0.50	0.26	ug/L			02/25/20 15:39	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.24	ug/L			02/25/20 15:39	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.13	ug/L			02/25/20 15:39	1
Tetrachloroethene	<0.50		0.50	0.18	ug/L			02/25/20 15:39	1
Toluene	<0.50		0.50	0.086	ug/L			02/25/20 15:39	1
trans-1,2-Dichloroethene	<0.50		0.50	0.090	ug/L			02/25/20 15:39	1
trans-1,3-Dichloropropene	<0.50		0.50	0.11	ug/L			02/25/20 15:39	1
1,2,3-Trichlorobenzene	0.183	J	0.50	0.14	ug/L			02/25/20 15:39	1
1,2,4-Trichlorobenzene	0.159	J	0.50	0.12	ug/L			02/25/20 15:39	1
1,1,1-Trichloroethane	<0.50		0.50	0.15	ug/L			02/25/20 15:39	1
1,1,2-Trichloroethane	<0.50		0.50	0.16	ug/L			02/25/20 15:39	1
Trichloroethene	<0.50		0.50	0.13	ug/L			02/25/20 15:39	1
Trichlorofluoromethane	<0.50		0.50	0.23	ug/L			02/25/20 15:39	1
1,2,3-Trichloropropane	<0.50		0.50	0.17	ug/L			02/25/20 15:39	1
Trihalomethanes, Total	<0.50		0.50	0.079	ug/L			02/25/20 15:39	1
1,2,4-Trimethylbenzene	<0.50		0.50	0.17	ug/L			02/25/20 15:39	1
1,3,5-Trimethylbenzene	<0.50		0.50	0.16	ug/L			02/25/20 15:39	1
Vinyl chloride	<0.50		0.50	0.16	ug/L			02/25/20 15:39	1
Xylenes, Total	<0.50		0.50	0.086	ug/L			02/25/20 15:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*02/25/20 15:39*	*1*
1,2-Dichlorobenzene-d4	*102*		*70 - 130*		*02/25/20 15:39*	*1*

Lab Sample ID: LCS 680-608651/4
Matrix: Water
Analysis Batch: 608651

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	106		ug/L		105	70 - 130
Benzene	20.0	18.8		ug/L		94	70 - 130
Bromobenzene	20.0	18.5		ug/L		92	70 - 130
Bromoform	20.0	21.6		ug/L		108	70 - 130
Bromomethane	20.0	23.5		ug/L		117	70 - 130
Carbon tetrachloride	20.0	17.9		ug/L		89	70 - 130
Chlorobenzene	20.0	17.2		ug/L		86	70 - 130
Chlorobromomethane	20.0	16.6		ug/L		83	70 - 130
Chlorodibromomethane	20.0	19.7		ug/L		98	70 - 130
Chloroethane	20.0	18.6		ug/L		93	70 - 130
Chloroform	20.0	17.8		ug/L		89	70 - 130
Chloromethane	20.0	20.9		ug/L		105	70 - 130
2-Chlorotoluene	20.0	21.2		ug/L		106	70 - 130
4-Chlorotoluene	20.0	22.1		ug/L		111	70 - 130
cis-1,2-Dichloroethene	20.0	19.5		ug/L		98	70 - 130

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

Lab Sample ID: LCS 680-608651/4
Matrix: Water
Analysis Batch: 608651

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	19.5		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.6		ug/L		98	70 - 130
Dibromomethane	20.0	17.2		ug/L		86	70 - 130
1,2-Dichlorobenzene	20.0	17.6		ug/L		88	70 - 130
1,3-Dichlorobenzene	20.0	19.1		ug/L		96	70 - 130
1,4-Dichlorobenzene	20.0	18.1		ug/L		91	70 - 130
Dichlorobromomethane	20.0	18.3		ug/L		92	70 - 130
Dichlorodifluoromethane	20.0	15.6		ug/L		78	70 - 130
1,1-Dichloroethane	20.0	19.4		ug/L		97	70 - 130
1,2-Dichloroethane	20.0	19.3		ug/L		96	70 - 130
1,1-Dichloroethene	20.0	16.8		ug/L		84	70 - 130
1,2-Dichloropropane	20.0	19.8		ug/L		99	70 - 130
1,3-Dichloropropane	20.0	19.5		ug/L		97	70 - 130
2,2-Dichloropropane	20.0	21.1		ug/L		105	70 - 130
1,1-Dichloropropene	20.0	18.7		ug/L		93	70 - 130
1,3-Dichloropropene, Total	40.0	39.9		ug/L		100	70 - 130
Diisopropyl ether	20.0	22.8		ug/L		114	70 - 130
Ethylbenzene	20.0	21.2		ug/L		106	70 - 130
Ethylene Dibromide	20.0	17.2		ug/L		86	70 - 130
Freon 113	20.0	14.1		ug/L		70	70 - 130
Hexachlorobutadiene	20.0	18.5		ug/L		93	70 - 130
2-Hexanone	100	148	*	ug/L		148	70 - 130
Isopropylbenzene	20.0	20.3		ug/L		102	70 - 130
4-Isopropyltoluene	20.0	20.8		ug/L		104	70 - 130
Methylene Chloride	20.0	16.2		ug/L		81	70 - 130
2-Butanone (MEK)	100	102		ug/L		102	70 - 130
4-Methyl-2-pentanone (MIBK)	100	124		ug/L		124	70 - 130
m-Xylene & p-Xylene	20.0	21.5		ug/L		107	70 - 130
Naphthalene	20.0	21.1		ug/L		105	70 - 130
n-Butylbenzene	20.0	20.4		ug/L		102	70 - 130
N-Propylbenzene	20.0	21.1		ug/L		105	70 - 130
o-Xylene	20.0	20.7		ug/L		103	70 - 130
sec-Butylbenzene	20.0	20.4		ug/L		102	70 - 130
Styrene	20.0	21.1		ug/L		106	70 - 130
Tert-amyl methyl ether	20.0	20.4		ug/L		102	70 - 130
tert-Butyl alcohol	200	166		ug/L		83	70 - 130
tert-Butylbenzene	20.0	20.1		ug/L		101	70 - 130
Tert-butyl ethyl ether	20.0	20.1		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.3		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	20.0	20.5		ug/L		103	70 - 130
Tetrachloroethene	20.0	17.3		ug/L		87	70 - 130
Toluene	20.0	18.1		ug/L		91	70 - 130
trans-1,2-Dichloroethene	20.0	18.2		ug/L		91	70 - 130
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	20.0	19.4		ug/L		97	70 - 130
1,2,4-Trichlorobenzene	20.0	17.9		ug/L		89	70 - 130
1,1,1-Trichloroethane	20.0	17.9		ug/L		90	70 - 130
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	70 - 130
Trichloroethene	20.0	16.5		ug/L		83	70 - 130

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

Lab Sample ID: LCS 680-608651/4
Matrix: Water
Analysis Batch: 608651

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	18.9		ug/L		95	70 - 130
1,2,3-Trichloropropane	20.0	20.8		ug/L		104	70 - 130
Trihalomethanes, Total	80.0	77.4		ug/L		97	70 - 130
1,2,4-Trimethylbenzene	20.0	21.3		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	20.0	20.1		ug/L		100	70 - 130
Vinyl chloride	20.0	19.1		ug/L		95	70 - 130
Xylenes, Total	40.0	42.1		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
1,2-Dichlorobenzene-d4	*107*		*70 - 130*

Lab Sample ID: LCSD 680-608651/5
Matrix: Water
Analysis Batch: 608651

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	105		ug/L		105	70 - 130	0	20
Benzene	20.0	21.9		ug/L		109	70 - 130	15	20
Bromobenzene	20.0	17.7		ug/L		89	70 - 130	4	20
Bromoform	20.0	21.3		ug/L		106	70 - 130	1	20
Bromomethane	20.0	25.0		ug/L		125	70 - 130	7	20
Carbon tetrachloride	20.0	20.1		ug/L		101	70 - 130	12	20
Chlorobenzene	20.0	19.1		ug/L		95	70 - 130	10	20
Chlorobromomethane	20.0	16.2		ug/L		81	70 - 130	2	20
Chlorodibromomethane	20.0	20.0		ug/L		100	70 - 130	2	20
Chloroethane	20.0	22.4		ug/L		112	70 - 130	19	20
Chloroform	20.0	18.9		ug/L		94	70 - 130	6	20
Chloromethane	20.0	21.0		ug/L		105	70 - 130	0	20
2-Chlorotoluene	20.0	19.6		ug/L		98	70 - 130	8	20
4-Chlorotoluene	20.0	21.1		ug/L		106	70 - 130	5	20
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	70 - 130	4	20
cis-1,3-Dichloropropene	20.0	22.5		ug/L		112	70 - 130	14	20
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		92	70 - 130	7	20
Dibromomethane	20.0	19.3		ug/L		96	70 - 130	11	20
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130	8	20
1,3-Dichlorobenzene	20.0	18.9		ug/L		94	70 - 130	1	20
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130	5	20
Dichlorobromomethane	20.0	20.4		ug/L		102	70 - 130	11	20
Dichlorodifluoromethane	20.0	16.6		ug/L		83	70 - 130	6	20
1,1-Dichloroethane	20.0	19.6		ug/L		98	70 - 130	1	20
1,2-Dichloroethane	20.0	20.8		ug/L		104	70 - 130	8	20
1,1-Dichloroethene	20.0	17.8		ug/L		89	70 - 130	6	20
1,2-Dichloropropane	20.0	22.2		ug/L		111	70 - 130	12	20
1,3-Dichloropropane	20.0	21.5		ug/L		108	70 - 130	10	20
2,2-Dichloropropane	20.0	20.2		ug/L		101	70 - 130	4	20
1,1-Dichloropropene	20.0	22.2		ug/L		111	70 - 130	17	20
1,3-Dichloropropene, Total	40.0	45.6		ug/L		114	70 - 130	13	20

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

Lab Sample ID: LCSD 680-608651/5
Matrix: Water
Analysis Batch: 608651

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	23.8		ug/L		119	70 - 130	4	20
Ethylbenzene	20.0	21.7		ug/L		109	70 - 130	3	20
Ethylene Dibromide	20.0	20.0		ug/L		100	70 - 130	15	20
Freon 113	20.0	17.0		ug/L		85	70 - 130	19	20
Hexachlorobutadiene	20.0	18.6		ug/L		93	70 - 130	1	20
2-Hexanone	100	141	*	ug/L		141	70 - 130	5	20
Isopropylbenzene	20.0	20.8		ug/L		104	70 - 130	2	20
4-Isopropyltoluene	20.0	21.4		ug/L		107	70 - 130	3	20
Methylene Chloride	20.0	17.0		ug/L		85	70 - 130	5	20
2-Butanone (MEK)	100	107		ug/L		106	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)	100	141	*	ug/L		141	70 - 130	12	20
m-Xylene & p-Xylene	20.0	21.4		ug/L		107	70 - 130	0	20
Naphthalene	20.0	20.4		ug/L		102	70 - 130	3	20
n-Butylbenzene	20.0	21.8		ug/L		109	70 - 130	7	20
N-Propylbenzene	20.0	22.1		ug/L		110	70 - 130	5	20
o-Xylene	20.0	20.1		ug/L		101	70 - 130	3	20
sec-Butylbenzene	20.0	19.7		ug/L		98	70 - 130	3	20
Styrene	20.0	21.7		ug/L		108	70 - 130	3	20
Tert-amyl methyl ether	20.0	20.9		ug/L		105	70 - 130	3	20
tert-Butyl alcohol	200	207	*	ug/L		103	70 - 130	22	20
tert-Butylbenzene	20.0	21.1		ug/L		106	70 - 130	5	20
Tert-butyl ethyl ether	20.0	21.6		ug/L		108	70 - 130	7	20
1,1,1,2-Tetrachloroethane	20.0	19.2		ug/L		96	70 - 130	1	20
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		106	70 - 130	3	20
Tetrachloroethene	20.0	18.4		ug/L		92	70 - 130	6	20
Toluene	20.0	21.2		ug/L		106	70 - 130	15	20
trans-1,2-Dichloroethene	20.0	17.6		ug/L		88	70 - 130	3	20
trans-1,3-Dichloropropene	20.0	23.1		ug/L		116	70 - 130	13	20
1,2,3-Trichlorobenzene	20.0	19.1		ug/L		96	70 - 130	1	20
1,2,4-Trichlorobenzene	20.0	18.6		ug/L		93	70 - 130	4	20
1,1,1-Trichloroethane	20.0	20.5		ug/L		103	70 - 130	14	20
1,1,2-Trichloroethane	20.0	19.3		ug/L		96	70 - 130	6	20
Trichloroethene	20.0	18.6		ug/L		93	70 - 130	12	20
Trichlorofluoromethane	20.0	20.0		ug/L		100	70 - 130	6	20
1,2,3-Trichloropropane	20.0	19.1		ug/L		95	70 - 130	9	20
Trihalomethanes, Total	80.0	80.6		ug/L		101	70 - 130	4	20
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	70 - 130	5	20
1,3,5-Trimethylbenzene	20.0	21.2		ug/L		106	70 - 130	5	20
Vinyl chloride	20.0	19.7		ug/L		98	70 - 130	3	20
Xylenes, Total	40.0	41.6		ug/L		104	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
1,2-Dichlorobenzene-d4	*107*		*70 - 130*

GC/MS VOA

Analysis Batch: 608651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-180394-1	Trip Blank	Total/NA	Water	524.2	
680-180394-2	RFW-21	Total/NA	Water	524.2	
680-180394-3	RFW-20	Total/NA	Water	524.2	
680-180394-4	HAMP-22	Total/NA	Water	524.2	
MB 680-608651/9	Method Blank	Total/NA	Water	524.2	
LCS 680-608651/4	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-608651/5	Lab Control Sample Dup	Total/NA	Water	524.2	

Lab Chronicle

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

Job ID: 680-180394-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-180394-1
Matrix: Water
Date Collected: 02/12/20 07:00
Date Received: 02/14/20 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	608651	02/25/20 16:04	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: RFW-21

Lab Sample ID: 680-180394-2
Matrix: Water
Date Collected: 02/12/20 08:15
Date Received: 02/14/20 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	608651	02/25/20 16:28	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: RFW-20

Lab Sample ID: 680-180394-3
Matrix: Water
Date Collected: 02/12/20 09:05
Date Received: 02/14/20 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	608651	02/25/20 16:53	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: HAMP-22

Lab Sample ID: 680-180394-4
Matrix: Water
Date Collected: 02/12/20 13:30
Date Received: 02/14/20 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	608651	02/25/20 17:17	Y1S	TAL SAV
	Instrument ID: CMSAG									

Laboratory References:

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

Chain of Custody Record 417386

eurofins | Environment Testing TestAmerica

Address:

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager:	Site Contact: Greg F.	Date:	COC No:
Company Name: Western Solutions	Tel/Email:	Lab Contact: Amy Wemburg	Carrier: Fed Ex	___ of ___ COCs
Address: 1400 Western Way	Analysis Turnaround Time			Sampler:
City/State/Zip: W Chester PA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 610.721.0583	TAT if different from Below:			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Stanley Black + Decker	☐ 1 week			Job / SDG No.:
Site: Hampstead, MD	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	524.2 VOC	Sample Specific Notes:
Trip Blank	2/12/20	700	G	W	2			✓	
RFW-21		815			3			✓	
RFW-20		905			3			✓	
HAMP-22		1330			3			✓	

680-180394 Chain of Custody

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

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be asse.

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: 2.9 Corr'd: 3.3	Therm ID No.:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Western	2/13/20 1700		FP	2-14-20 900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-180394-1

Login Number: 180394
List Number: 1
Creator: Sims, Robert D

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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 680-180394-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Maryland	State	250	12-31-20