# Quarterly Groundwater Monitoring Report

Prepared for

**Stanley Black & Decker Inc.**

Hampstead, Maryland

January 2019

Prepared by

**WESTON SOLUTIONS, INC.**

**West Chester, Pennsylvania 19380-1499**

W.O. Number: 02501.004.005.0001

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# 1. INTRODUCTION

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

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

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

# 2. SITE CHARACTERISTICS

## 2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of October through December 2018.

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 October through December 2018, the extraction wells were pumping at an average combined rate of approximately 191 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 October through December 2018 are included in Appendix B.

## 2.3 GROUNDWATER QUALITY DATA

For the reporting period of October through December 2018, approximately 8.25 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) (67.3 %) and tetrachloroethene (PCE) (32.7 %). Analytical results of the groundwater collected from the air stripper for the period of October through December 2018 are included in Appendix C.

A summary of the analytical results from the fourth quarter (November 2018) groundwater sampling round of the extraction and monitor wells is included in Table 2-4. The complete

Table 2-1
**Treatment System Pumping Records - 4th Quarter 2018**
**Stanley Black & Decker**
**Hampstead, Maryland**

| Date | Water Pumped (gallons) |
|---|---|
| **October 2018** | 8,059,454 |
| **November 2018** | 7,729,484 |
| **December 2018** | 7,970,880 |

**Table 2-2**
**Groundwater Elevation Data - 4th Quarter 2018**
**Stanley Black & Decker**
**Hampstead, Maryland**

| WELL NO. | TOC ELEV. | TOTAL DEPTH | 10/22/2018 | | 11/21/2018 | | 12/27/2018 | |
|---|---|---|---|---|---|---|---|---|
| | | | DTW | ELEV | DTW | ELEV | DTW | ELEV |
| **EW-1** | 847.21 | 55 | DRY | NC | DRY | NC | DRY | NC |
| **EW-2** | 849.21 | 110 | 88.45 | 760.76 | 88.74 | 760.47 | 89.25 | 759.96 |
| **EW-3** | 846.64 | 118 | 95.89 | 750.75 | 96.20 | 750.44 | 96.50 | 750.14 |
| **EW-4** | 858.01 | 97.5 | PC | NC | PC | NC | PC | NC |
| **EW-5** | 864.17 | 98 | 92.11 | 772.06 | 91.75 | 772.42 | 92.25 | 771.92 |
| **EW-6** | 831.98 | 115 | 104.00 | 727.98 | 104.00 | 727.98 | 104.00 | 727.98 |
| **EW-7** | 818.38 | 78 | 92.02 | 726.36 | 92.08 | 726.30 | 92.10 | 726.28 |
| **EW-8** | 811.13 | 98 | 90.81 | 720.32 | 91.14 | 719.99 | 91.50 | 719.63 |
| **EW-9** | 811.35 | 141 | 102.00 | 709.35 | 102.00 | 709.35 | 102.50 | 708.85 |
| **EW-10** | 807.74 | INA | 55.98 | 751.76 | 53.44 | 754.30 | 57.14 | 750.60 |
| **RFW-1A** | 864.37 | 78 | 51.96 | 812.41 | 43.24 | 821.13 | 45.57 | 818.80 |
| **RFW-1B** | 864.23 | 200 | 51.98 | 812.25 | 43.33 | 820.90 | 45.61 | 818.62 |
| **RFW-2A** | 857.41 | 35 | 10.12 | 847.29 | 9.66 | 847.75 | 10.36 | 847.05 |
| **RFW-2B** | 857.73 | 75 | 10.46 | 847.27 | 10.25 | 847.48 | 10.91 | 846.82 |
| **RFW-3B** | 839.21 | 153 | 29.39 | 809.82 | 28.20 | 811.01 | 29.08 | 810.13 |
| **RFW-4A** | 830.37 | 62 | 32.51 | 797.86 | 32.60 | 797.77 | 32.89 | 797.48 |
| **RFW-4B** | 830.37 | 120 | 32.30 | 798.07 | 32.42 | 797.95 | 33.18 | 797.19 |
| **RFW-5A** | 817.50 | 30 | DRY | NC | DRY | NC | DRY | NC |
| **RFW-6** | 785.04 | 120 | 4.96 | 780.08 | 1.26 | 783.78 | 3.45 | 781.59 |
| **RFW-7** | 805.14 | 29 | 5.86 | 799.28 | 4.94 | 800.20 | 5.69 | 799.45 |
| **RFW-8** | 860.07 | 56 | DRY | NC | DRY | NC | DRY | NC |
| **RFW-9** | 862.02 | 49 | 23.10 | 838.92 | 22.30 | 839.72 | 23.59 | 838.43 |
| **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 | 62.22 | 787.40 | 60.28 | 789.34 | 60.77 | 788.85 |
| **RFW-12B** | 844.87 | 264 | 50.11 | 794.76 | 46.54 | 798.33 | 47.41 | 797.46 |
| **RFW-13** | 849.11 | 150 | 62.23 | 786.88 | 54.40 | 794.71 | 56.04 | 793.07 |
| **RFW-14B** | 812.39 | 281 | 52.48 | 759.91 | 51.80 | 760.59 | 52.11 | 760.28 |
| **RFW-16** | 856.14 | 41 | DRY | NC | DRY | NC | DRY | NC |
| **RFW-17** | 834.66 | 60.5 | 23.88 | 810.78 | 22.25 | 812.41 | 23.05 | 811.61 |
| **RFW-20** | 842.49 | 142 | 31.26 | 811.23 | 29.83 | 812.66 | 30.26 | 812.23 |
| **RFW-21** | 832.65 | 102 | 20.17 | 812.48 | 18.82 | 813.83 | 19.48 | 813.17 |
| **PH-7** | 805.94 | 89 | 28.74 | 777.20 | 28.33 | 777.61 | 28.95 | 776.99 |
| **PH-9** | 814.94 | 98 | 49.93 | 765.01 | 49.87 | 765.07 | 50.23 | 764.71 |
| **PH-11** | 820.68 | 78 | 51.86 | 768.82 | 51.49 | 769.19 | 51.77 | 768.91 |
| **PH-12** | 828.35 | 87 | 48.49 | 779.86 | 48.73 | 779.62 | 49.80 | 778.55 |
| **B-3** | 803.02 | 83 | NA | NC | NA | NC | NA | NC |
| **Amoco** | 842.29 | INA | NA | NC | NA | NC | NA | NC |
| **Hamp. Town #22** | 804.96 | INA | 2.49 | 802.47 | 1.20 | 803.76 | 2.09 | 802.87 |
| **Pembroke #1** | INA | INA | 10.74 | NC | 8.74 | NC | 9.42 | NC |
| **Pembroke #2** | INA | INA | Damaged | NC | Damaged | NC | Damaged | NC |
| **N. Houcks. Rd.** | INA | INA | 10.01 | NC | 9.87 | NC | 9.76 | NC |
| **E. Century St.** | INA | INA | 19.22 | NC | 19.17 | NC | 19.20 | NC |
| **Lwr. Beckleys. Rd.** | INA | INA | 55.60 | NC | 50.46 | NC | 51.38 | NC |

NA - Not Available/Not Accessible
NC - Not Calculable
INA - Information not available
PC - Pump Cycles

**Table 2-3**
**Effluent Characteristics Summary - 4th Quarter 2018**
**Black & Decker**
**Hampstead, Maryland**

| Discharge Number | Parameter | | Units | Permit Limits | Discharge Monitoring Report Date | | |
|---|---|---|---|---|---|---|---|
| | | | | | October 2018 | November 2018 | December 2018 |
| 001 (Monitoring Point) | FLOW | average | MGD | NA | 0.243 | 0.465 | 0.419 |
| | | maximum | MGD | NA | 0.601 | 1.090 | 1.720 |
| | 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 | 7.6 | 7.1 |
| | | maximum | STD | 8.5 | 7.9 | 8.0 | 7.8 |
| | BOD | | mg/l | 15 | 7.4 | 3.0 | 3.0 |
| | TSS | maximum | mg/l | 30 | 9 | < 5 | < 5 |
| | | monthly average | mg/l | 20 | 9 | < 5 | < 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 | 0.258 |
| | | maximum | MGD | NA | NR | NR | 0.331 |
| | 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 - November 2018
## Stanley Black & Decker
## Hampstead, Maryland

| PARAMETER | Units | EW-1 | EW-2 | EW-3 | EW-4 | EW-5 | EW-6 | EW-7 | EW-8 | EW-9 | EW-9 (DUP) | EW-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloromethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Bromomethane | ug/L | NS | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Vinyl Chloride | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Chloroethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Methylene Chloride | ug/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acetone | ug/L | NS | 5 U | 3.9 J | 5 U | 5 U | 2.7 J | 5 U | 2.5 J | 5 U | 2.8 J | 5 U |
| Carbon Disulfide | ug/L | NS | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,1-Dichloroethene | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1-Dichloroethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 0.8 J | 1 U | 1 U | 1 U |
| 1,2-Dichloroethene (total) | ug/L | NS | 1.7 | 1.6 | 1 U | 1 U | 1 U | 1.8 | 25 | 1 U | 1 U | 1 U |
| Chloroform | ug/L | NS | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2-Dichloroethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 2-Butanone | ug/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Carbon Tetrachloride | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Bromodichloromethane | ug/L | NS | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2-Dichloropropane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| cis-1,3-Dichloropropene | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Trichloroethene | ug/L | NS | 110 | 20 | 160 | 78 | 5.8 | 1.6 | 5.7 | 0.3 J | 0.5 | 0.5 U |
| Dibromochloromethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1,2-Trichloroethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Benzene | ug/L | NS | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,3-Dichloropropene | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Bromoform | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 4-Methyl-2-pentanone | ug/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/L | NS | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/L | NS | 51 | 0.8 J | 3.5 | 3.3 | 10 | 4.5 | 52 | 59 | 55 | 1.2 |
| 1,1,2,2-Tetrachloroethane | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Toluene | ug/L | NS | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Ethylbenzene | ug/L | NS | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Styrene | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Xylene (total) | ug/L | NS | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |

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

# Table 2-4
## Summary of Groundwater Analytical Results - November 2018
## Stanley Black & Decker
## Hampstead, Maryland

| PARAMETER | Units | RFW-1A | RFW-1B | RFW-2A | RFW-2B | RFW-3B | RFW-4A | RFW-4A (DUP) | RFW-4B | RFW-5A | RFW-6 | RFW-7 | RFW-8 | RFW-9 | RFW-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloromethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Bromomethane | ug/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | NS | 2 U | 2 U | NS | 2 U | NS |
| Vinyl Chloride | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Chloroethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Methylene Chloride | ug/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS |
| Acetone | ug/L | 5 U | 4.1 J | 5 U | 5 U | 3.2 J | 5 U | 5 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS |
| Carbon Disulfide | ug/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | NS | 2 U | 2 U | NS | 2 U | NS |
| 1,1-Dichloroethene | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 0.7 J | NS |
| 1,1-Dichloroethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| 1,2-Dichloroethene (total) | ug/L | 1 U | 1 U | 1 U | 1 U | 1 J | 0.7 J | 1 U | 2.9 | NS | 0.6 J | 1 U | NS | 26 | NS |
| Chloroform | ug/L | 2 U | 2 U | 2 U | 2 U | 2 U | 0.6 J | 0.6 J | 1.2 J | NS | 2 U | 2 U | NS | 2 U | NS |
| 1,2-Dichloroethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| 2-Butanone | ug/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS |
| 1,1,1-Trichloroethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Carbon Tetrachloride | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Bromodichloromethane | ug/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | NS | 2 U | 2 U | NS | 2 U | NS |
| 1,2-Dichloropropane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| cis-1,3-Dichloropropene | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Trichloroethene | ug/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 25 | 25 | 48 | NS | 0.8 | 1.8 | NS | 3.8 | NS |
| Dibromochloromethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| 1,1,2-Trichloroethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Benzene | ug/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NS | 0.5 U | 0.2 J | NS | 0.5 U | NS |
| Trans-1,3-Dichloropropene | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Bromoform | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| 4-Methyl-2-pentanone | ug/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS |
| 2-Hexanone | ug/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | NS | 5 U | 5 U | NS | 5 U | NS |
| Tetrachloroethene | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 14 | 14 | 68 | NS | 1 U | 1 U | NS | 4.6 | NS |
| 1,1,2,2-Tetrachloroethane | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Toluene | ug/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NS | 0.5 U | 0.5 U | NS | 0.5 U | NS |
| Chlorobenzene | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Ethylbenzene | ug/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NS | 0.5 U | 0.5 U | NS | 0.5 U | NS |
| Styrene | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |
| Xylene (total) | ug/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NS | 1 U | 1 U | NS | 1 U | NS |

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

# Table 2-4
## Summary of Groundwater Analytical Results - November 2018
## Stanley Black & Decker
## Hampstead, Maryland

| PARAMETER | Units | RFW-11A | RFW-11B | RFW-12B | RFW-13 | RFW-16 | RFW-17 | Leister Dairy | Leister Res. #1 | Leister Res. #2 | Trip Blank | RFW-20 | RFW-21 | Town #22 | Town #23 | Trip Blank |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | USEPA drinking water method 524.2 | | | | |
| Chloromethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromomethane | ug/L | NS | 2 U | 2 U | 2 U | NS | 2 U | ABD | ABD | ABD | 2 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Vinyl Chloride | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chloroethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Methylene Chloride | ug/L | NS | 5 U | 3.2 JB | 5 U | NS | 5 U | ABD | ABD | ABD | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Acetone | ug/L | NS | 5 U | 5 U | 5 U | NS | 5 U | ABD | ABD | ABD | 5 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Carbon Disulfide | ug/L | NS | 2 U | 2 U | 2 U | NS | 2 U | ABD | ABD | ABD | 2 U | NA | NA | NA | NA | NA |
| 1,1-Dichloroethene | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloroethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloroethene (total) | ug/L | NS | 1 U | 1.9 | 2.6 | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chloroform | ug/L | NS | 2 U | 2 U | 2 U | NS | 2 U | ABD | ABD | ABD | 2 U | 0.5 U | 0.5 U | 0.2 J | 0.5 U | 0.5 U |
| 1,2-Dichloroethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 2-Butanone | ug/L | NS | 5 U | 5 U | 5 U | NS | 5 U | ABD | ABD | ABD | 5 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 1,1,1-Trichloroethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Carbon Tetrachloride | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromodichloromethane | ug/L | NS | 2 U | 2 U | 2 U | NS | 2 U | ABD | ABD | ABD | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| cis-1,3-Dichloropropene | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichloroethene | ug/L | NS | 0.9 | 74 | 1.9 | NS | 0.5 U | ABD | ABD | ABD | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Dibromochloromethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1,2-Trichloroethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Benzene | ug/L | NS | 0.5 U | 0.5 U | 0.5 U | NS | 0.5 U | ABD | ABD | ABD | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,3-Dichloropropene | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromoform | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 4-Methyl-2-pentanone | ug/L | NS | 5 U | 5 U | 5 U | NS | 5 U | ABD | ABD | ABD | 5 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-Hexanone | ug/L | NS | 5 U | 5 U | 5 U | NS | 5 U | ABD | ABD | ABD | 5 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Tetrachloroethene | ug/L | NS | 1 U | 5.6 | 8.3 | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.86 | 0.5 U | 0.5 U |
| 1,1,2,2-Tetrachloroethane | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Toluene | ug/L | NS | 0.5 U | 0.5 U | 0.5 U | NS | 0.5 U | ABD | ABD | ABD | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Ethylbenzene | ug/L | NS | 0.5 U | 0.5 U | 0.5 U | NS | 0.5 U | ABD | ABD | ABD | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Styrene | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Xylene (total) | ug/L | NS | 1 U | 1 U | 1 U | NS | 1 U | ABD | ABD | ABD | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |

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

NS = Not sampled

U = Compound was analyzed but not detected.

ABD = Well has been abandoned

analytical data package is included in Appendix D.

As found in earlier sampling events at the Stanley 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 samples collected from wells EW-2 and EW-4 on the Northeastern portion of the property and the highest concentration of PCE was detected in the groundwater sample collected from wells EW-9 and RFW-4B on the Southwestern portion of the property. 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 (October through December 2018) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate or other routine activities).

Table 3-1
**Treatment System Maintenance Activities - 4th Quarter 2018**
**Stanley Black & Decker**
**Hampstead, Maryland**

| Date | Event/Corrective Action |
|---|---|
| **Nov-18** | Alarm at the stripper, EW-6 went down. The heating elements in EW-6 are not working, the heating elements were replaced and the well is back online. |
| **Dec-18** | New control wires and new conduit were installed from the Air Stripper building to EW-5. EW-5 can now be run in Automatic Mode instead of Hand Mode. |
| **Dec-18** | Alarm at the stripper, EW-7 went down. The heating elements in EW-7 were not working, the heating elements were replaced and EW-7 is back online. |
| **Dec-18** | During routine maintenance activities, the heating elements in wells EW-3 and EW-8 were replaced . |
| **Dec-18** | The level transducer went bad in the wet well was not working. A new level transducer was installed. |

# 4. RECOMMENDATIONS

For the reporting period of October through December 2018, 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, which is included in the Annual Report, 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
# (OCTOBER – DECEMBER 2018)

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 # - Andrew Bradley 0780,Jessica Fierro 3463

Superintendent: David Coale  Certification # 1662

Month: October
Year: 2018

| Final Effluent outfall 001 | | | | | | | | | | | | | | | | Outfall 101 | | | | | | Outfall 201 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Appearance | Discharge MGD | pH su | Cl2 mg/l | Tetrachloroethylene ug/l | 1.1.1-Trichloroethan ug/l | Trichloroethene ug/l | $BOD_5$ mg/l | TSS mg/l | TKN mg/l | N+N mg/l | TP mg/l | TN mg/l | O&G mg/l | eColi mpn | Flow MGD | eColi mpn | Basin Inches | Alum Gpd | Hypochlorite Gpd | Post Cl2 mg/l | Tetrachloroethylene ug/l | 1.1.1-Trichloroethane ug/l | Trichloroethene ug/l | Discharge mgd | Operator |
| 1 | Clear | 0.21500 | 7.65 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.264605 | G. Scheller |
| 2 | Clear | 0.15600 | 7.59 | 0.00 | | | | 7.40 | 9.00 | | | <0.1 | | <2 | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | <1 | <1 | <1 | 0.200998 | G. Scheller |
| 3 | Clear | 0.22500 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.303250 | G. Scheller |
| 4 | Clear | 0.20700 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.255253 | G. Scheller |
| 5 | Clear | 0.45500 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.162984 | G. Scheller |
| 6 | Clear | 0.23900 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.258064 | D.Jones |
| 7 | Clear | 0.22500 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.260680 | D.Jones |
| 8 | Clear | 0.20700 | 7.34 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.270059 | J.Fierro |
| 9 | Clear | 0.22600 | 7.42 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.255002 | J.Fierro |
| 10 | Clear | 0.19700 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.261147 | J.Fierro |
| 11 | Clear | 0.17900 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.213133 | A.Bradley |
| 12 | Clear | 0.55800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.317990 | J. Fierro |
| 13 | Clear | 0.22700 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.261133 | G. Scheller |
| 14 | Clear | 0.19600 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.252850 | G. Scheller |
| 15 | Clear | 0.24700 | 7.66 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.272221 | G. Scheller |
| 16 | Clear | 0.23600 | 7.69 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.260360 | G. Scheller |
| 17 | Clear | 0.18800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.262676 | G. Scheller |
| 18 | Clear | 0.16400 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.256327 | G. Scheller |
| 19 | Clear | 0.17800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.265943 | G. Scheller |
| 20 | Clear | 0.22600 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.262601 | A.Bradley |
| 21 | Clear | 0.21800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.258072 | A.Bradley |
| 22 | Clear | 0.17700 | 7.76 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.271290 | G. Scheller |
| 23 | Clear | 0.16200 | 7.93 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.231517 | G. Scheller |
| 24 | Clear | 0.21200 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.307328 | G. Scheller |
| 25 | Clear | 0.18300 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.265078 | G. Scheller |
| 26 | Clear | 0.19300 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.266824 | G. Scheller |
| 27 | Clear | 0.66100 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.268017 | A.Bradley |
| 28 | Clear | 0.36700 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.265741 | A.Bradley |
| 29 | Clear | 0.22100 | 7.85 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.276297 | G. Scheller |
| 30 | Clear | 0.15200 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.214554 | G. Scheller |
| 31 | Clear | 0.23200 | 7.77 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.317460 | G. Scheller |
| Total | | 7.52900 | | | | | | | | | | | | | | 0.000000 | | | | | | | | | 8.059454 | |
| Average | | 0.24287 | | <0.10 | #DIV/0! | #DIV/0! | #DIV/0! | 7 | 9 | #### | #### | 0 | #### | 0 | #### | 0.000000 | #NUM! | ###### | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.259982 | |
| Minimum | | 0.15200 | 7.3 | 0.00 | 0 | 0 | 0 | 7 | 9 | 0 | 0 | 0 | 0 | 0 | | 0.000000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.162984 | MOR |
| Maximum | | 0.66100 | 7.9 | <0.10 | 0 | 0 | 0 | 7 | 9 | 0 | 0 | 0 | 0 | 0 | | 0.000000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.317990 | 11/20/2018 |

MARYLAND DEPARTMENT of the ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

**PWSID # 106-0004**

# Black & Decker WTP

Superintendent: David Coale

Month: November

Address: BTR CAPITAL GROUP, Hampstead, MD 21073

Certification #: 1662

Year: 2018

625 Hanover Pike, Hampstead, Carroll County, Maryland

Operated by:

Maryland Environmental Service

Additional Ops & Cert #'s: Dorrance Jones 0763, Chris Dallas 6202,Garrett Scheller 2500,Andrew Bradley 0780

| General | | | Potable Water | | | Chemical | | | | Monitoring | | Distribution | | | | Raw Water | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Day | Weather | MGD Total FQIR | pH P.O.E | Free Cl2 | $Na_2CO_3$ Level | $Na_2CO_3$ (gpd) | NaOCL Level | NaOCL (gpd) | VOC'S (ppb) | Bacti Pos/Neg | pH su | TRC mg/l | Distribution Location | Oper Int | pH su | Total Raw Water Well (mgd) | |
| 1 | Thurs | Clear | 0.0067 | 7.60 | 1.51 | 0.0 | 0.0 | 36.0 | 1.5 | | | 7.77 | 1.32 | 1st Floor Admin | JF | | 0.260938 | |
| 2 | Fri | Cloudy | 0.0081 | 7.51 | 1.69 | 0.0 | 0.0 | 33.0 | 3.0 | | | | | | JF | | 0.267529 | |
| 3 | Sat | Clear | 0.0063 | 7.70 | 1.88 | 0.0 | 0.0 | 31.0 | 2.0 | | | | | | DJ | | 0.281124 | |
| 4 | Sun | Clear | 0.0034 | 7.76 | 1.85 | 0.0 | 0.0 | 30.0 | 1.0 | | | | | | DJ | | 0.205834 | |
| 5 | Mon | Rain | 0.0074 | 7.82 | 1.77 | 0.0 | 0.0 | 28.5 | 1.5 | | | | | | GS | 5.61 | 0.328320 | |
| 6 | Tue | Rain | 0.0066 | 7.64 | 1.63 | 0.0 | 0.0 | 27.0 | 1.5 | | | | | | GS | 5.57 | 0.267723 | |
| 7 | Wed | Cloudy | 0.0070 | 7.78 | 1.81 | 0.0 | 0.0 | 24.0 | 3.0 | | | 7.59 | 1.46 | 1st Floor Admin | GS | | 0.269321 | |
| 8 | Thurs | Clear | 0.0050 | 7.74 | 1.89 | 0.0 | 0.0 | 22.5 | 1.5 | | | 7.60 | 1.43 | Loading Dock | GS | | 0.250055 | |
| 9 | Fri | Rain | 0.0057 | 7.77 | 1.72 | 0.0 | 0.0 | 58.0 | 2.0 | | | | | | GS | | 0.277098 | |
| 10 | Sat | Clear | 0.0038 | 7.63 | 1.54 | 0.0 | 0.0 | 56.5 | 1.5 | | | | | | AB | | 0.264558 | |
| 11 | Sun | Clear | 0.0033 | 7.74 | 1.51 | 0.0 | 0.0 | 55.0 | 1.5 | | | | | | AB | | 0.261319 | |
| 12 | Mon | Clear | 0.0049 | 7.73 | 1.60 | 0.0 | 0.0 | 53.0 | 2.0 | | | | | | GS | 5.58 | 0.276279 | |
| 13 | Tue | Cloudy | 0.0051 | 7.70 | 1.75 | 0.0 | 0.0 | 51.0 | 2.0 | | | | | | GS | 5.56 | 0.264853 | |
| 14 | Wed | Cloudy | 0.0029 | 7.78 | 1.53 | 0.0 | 0.0 | 49.5 | 1.5 | | | 7.57 | 1.08 | Loading Dock | GS | | 0.211721 | Total Coliform Absent |
| 15 | Thurs | Snow | 0.0096 | 7.75 | 1.51 | 0.0 | 0.0 | 46.0 | 3.5 | | | | | | GS | | 0.312185 | |
| 16 | Fri | Clear | 0.0020 | 7.72 | 1.55 | 0.0 | 0.0 | 45.0 | 1.0 | | | 7.51 | 1.15 | 1st Floor Admin | GS | | 0.269127 | |
| 17 | Sat | Clear | 0.0024 | 7.68 | 1.54 | 0.0 | 0.0 | 44.0 | 1.0 | | | | | | CD | | 0.270114 | |
| 18 | Sun | Cloudy | 0.0011 | 7.56 | 1.75 | 0.0 | 0.0 | 43.0 | 1.0 | | | | | | CD | | 0.268727 | |
| 19 | Mon | Cloudy | 0.0025 | 7.50 | 1.63 | 0.0 | 0.0 | 42.0 | 1.0 | | | 7.46 | 1.45 | Loading Dock | CD | 5.54 | 0.242356 | |
| 20 | Tue | Cloudy | 0.0043 | 7.77 | 1.67 | 0.0 | 0.0 | 41.0 | 1.0 | | | 7.42 | 1.15 | 1st Floor Admin | CD | | 0.264643 | |
| 21 | Wed | Clear | 0.0051 | 7.63 | 1.52 | 0.0 | 0.0 | 39.0 | 0.0 | | | | | | CD | | 0.283544 | |
| 22 | Thurs | Clear | 0.0018 | 7.65 | 1.59 | 0.0 | 0.0 | 38.5 | 0.5 | | | | | | CD | | 0.252556 | |
| 23 | Fri | Cloudy | 0.0018 | 7.69 | 1.53 | 0.0 | 0.0 | 38.0 | 0.5 | | | | | | GS | 5.74 | 0.268321 | |
| 24 | Sat | Rain | 0.0015 | 7.97 | 1.58 | 0.0 | 0.0 | 37.5 | 0.5 | | | | | | DJ | | 0.226929 | |
| 25 | Sun | Clear | 0.0033 | 7.93 | 1.65 | 0.0 | 0.0 | 36.0 | 1.5 | | | | | | DJ | | 0.310855 | |
| 26 | Mon | Rain | 0.0046 | 7.64 | 1.51 | 0.0 | 0.0 | 34.5 | 1.5 | | | | | | GS | 5.54 | 0.268285 | |
| 27 | Tue | Cloudy | 0.0053 | 7.67 | 1.45 | 0.0 | 0.0 | 33.0 | 1.5 | | | | | | GS | 5.55 | 0.265676 | |
| 28 | Wed | Clear | 0.0043 | 7.83 | 1.53 | 0.0 | 0.0 | 31.5 | 1.5 | | | 7.48 | 1.21 | Loading Dock | GS | | 0.265890 | |
| 29 | Thurs | Cloudy | 0.0025 | 7.62 | 1.40 | 0.0 | 0.0 | 31.0 | 0.5 | | | 7.55 | 1.06 | 1st Floor Admin | AB | | 0.176438 | |
| 30 | Fri | Rain | 0.0036 | 7.71 | 1.46 | 0.0 | 0.0 | 30.0 | 1.0 | | | | | | AB | | 0.097166 | |
| 31 | | | | | | | | | | | | | | | | | | |
| Total | | | 0.1319 | | | | 0.0 | | 43.0 | | | | | | | | 7.729484 | |
| Average | | | 0.0044 | 7.71 | 1.62 | 0.0 | 0.0 | 38.8 | 1.4 | #### | | 7.55 | 1.26 | | | 5.59 | 0.257649 | |
| Minimum | | | 0.0011 | 7.50 | 1.40 | 0.0 | 0.0 | 22.5 | 0.0 | 0.0 | | 7.42 | 1.06 | | | 5.54 | 0.097166 | |
| Maximum | | | 0.0096 | 7.97 | 1.89 | 0.0 | 0.0 | 58.0 | 3.5 | 0.0 | | 7.77 | 1.46 | | | 5.74 | 0.328320 | |

Central MOR 12/22/2014

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, Chris Dallas 6202, Dorrance Jones 0763,Andrew Bradley 0780

Superintendent: David Coale  Certification # 1662

Month: December
Year: 2018

| | Final Effluent outfall 001 | | | | | | | | | | | | | | | Outfall 101 | | | | | | Outfall 201 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Appearance | Discharge MGD | pH su | Cl2 mg/l | Tetrachloroethylene ug/l | 1,1-Trichloroethan ug/l | Trichloroethene ug/l | $BOD_5$ mg/l | TSS mg/l | TKN mg/l | N+N mg/l | TP mg/l | TN mg/l | O&G mg/l | eColi mpn | Flow MGD | eColi mpn | Basin Inches | Alum Gpd | Hypochlorite Gpd | Post Cl2 mg/l | Tetrachloroethylene ug/l | 1,1,1-Trichloroethane ug/l | Trichloroethene ug/l | Discharge mgd | Operator |
| 1 | Clear | 0.28300 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.211194 | A.Bradley |
| 2 | Clear | 0.55000 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.258443 | A.Bradley |
| 3 | Clear | 0.37300 | 7.59 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.271816 | G. Scheller |
| 4 | Clear | 0.25800 | 7.46 | 0.00 | | | | 3.00 | <5 | | | <0.1 | | <1.9 | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | <1 | <1 | <1 | 0.214188 | G. Scheller |
| 5 | Clear | 0.30800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.317378 | G. Scheller |
| 6 | Clear | 0.26300 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.254389 | G. Scheller |
| 7 | Clear | 0.25500 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.266714 | G. Scheller |
| 8 | Clear | 0.22100 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.139932 | A.Bradley |
| 9 | Clear | 0.22800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.205971 | A.Bradley |
| 10 | Clear | 0.23300 | 7.11 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.214390 | G. Scheller |
| 11 | Clear | 0.21200 | 7.23 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.222276 | G. Scheller |
| 12 | Clear | 0.22400 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.263482 | G. Scheller |
| 13 | Clear | 0.18400 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.252860 | C. Dallas |
| 14 | Clear | 0.23500 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.273973 | A.Bradley |
| 15 | Clear | 0.25600 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.204851 | D.Jones |
| 16 | Clear | 1.72000 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.330552 | D.Jones |
| 17 | Clear | 0.70500 | 7.05 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.257359 | C. Dallas |
| 18 | Clear | 0.36000 | 7.20 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.247596 | C. Dallas |
| 19 | Clear | 0.27400 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.258218 | C. Dallas |
| 20 | Clear | 0.27800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.246881 | A.Bradley |
| 21 | Clear | 1.12030 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.310670 | A.Bradley |
| 22 | Clear | 0.80900 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.279770 | G. Scheller |
| 23 | Clear | 0.35800 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.267427 | G. Scheller |
| 24 | Clear | 0.34800 | 7.40 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.267436 | G. Scheller |
| 25 | Clear | 0.28500 | 7.19 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.253479 | G. Scheller |
| 26 | Clear | 0.30500 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.296475 | G. Scheller |
| 27 | Clear | 0.25600 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.274175 | G. Scheller |
| 28 | Clear | 0.74400 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.281389 | G. Scheller |
| 29 | Clear | 0.79700 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.262606 | A.Bradley |
| 30 | Clear | 0.23900 | | | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.279933 | A.Bradley |
| 31 | Clear | 0.29200 | 7.77 | 0.00 | | | | | | | | | | | | 0.000000 | | 0" | 0.0 | 0.0 | 0.0 | | | | 0.285057 | G. Scheller |
| Total | | 12.97330 | | | | | | | | | | | | | | 0.000000 | | | | | | | | | 7.970880 | |
| Average | | 0.41849 | | <0.10 | #DIV/0! | #DIV/0! | #DIV/0! | 3 | 0 | #### | #### | 0 | #### | 0 | #### | 0.000000 | #NUM! | ###### | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.257125 | |
| Minimum | | 0.18400 | 7.1 | 0.00 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | | 0.000000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.139932 | MOR |
| Maximum | | 1.72000 | 7.8 | <0.10 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | | 0.000000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.330552 | 1/22/2019 |

# APPENDIX B
# DISCHARGE MONITORING REPORTS
# (OCTOBER - DECEMBER 2018)

## DMR Copy of Record

***Permit***

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

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/18 to 10/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | | | = | 7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00310 | BOD, 5-day, 20 deg. C | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | | | <= | 15 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | = | 7.3 | | | = | 7.9 | 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 | | | | | | | | = | 9 | = | 9 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 20 MX MO AV | <= | 30 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 10 MX MO AV | <= | 15 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | | | 19 - mg/L | | 01/30 - Monthly | 08 - COMP-8 |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 0.3 MX MO AV | | | 19 - mg/L | 0 | 01/30 - Monthly | 08 - COMP-8 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | = | 0.2429 | = | 0.661 | 03 - MGD | | | | | | | | | 01/30 - Monthly | MS - MEASRD |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | – | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/30 - Monthly | MS - MEASRD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 28 - ug/L | | 01/30 - Monthly | GR - GRAB |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 11 MX MO AV | <= | 19 DAILY MX | 28 - ug/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP10.pdf | pdf | 906377 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-11-20 14:21 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>CARROLL COUNTY<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 001<br>External Outfall | **Discharge:** | **001-A5**<br>PROPOSED | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/18 to 10/31/18** | **DMR Due Date:** | **11/28/18** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

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

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP10.pdf | pdf | 906377 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-11-20 14:21 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2018-11-21 08:46 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>CARROLL COUNTY<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 101<br>External Outfall | **Discharge:** | **101-A2**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/18 to 10/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| 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 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 |
|---|---|---|
| 18BlackandDeckerWWTP10.pdf | pdf | 906377 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-11-20 14:21 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2018-11-21 08:46 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>CARROLL COUNTY<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 102<br>External Outfall | **Discharge:** | **102-A4**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/18 to 10/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | | **Title:** | | **Telephone:** | |
| **Last Name:** | | | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

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

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Value NODI | C - No Discharge | | | | | C - No Discharge | | | | |
| | | | | Sample | | | | | | | | | | |
| 00665 Phosphorus, total [as P] | 1 - Effluent Gross | 1 | – | Permit Req. | | | Req Mon MO TOTAL | 76 - lb/mo | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | Value NODI | | | C - No Discharge | | | | | | | |
| | | | | Sample | | | | | | | | | | |
| 00665 Phosphorus, total [as P] | 1 - Effluent Gross | 2 | – | Permit Req. | | <= | 548 CUM TOTL | 50 - lb/yr | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | Value NODI | | | C - No Discharge | | | | | | | |
| | | | | Sample | | | | | | | | | | |
| 00665 Phosphorus, total [as P] | EG - Effluent Gross | 0 | – | Permit Req. | <= 1.5 MX MO AV | | | 26 - lb/d | <= | .3 MX MO AV | | 19 - mg/L | 01/30 - Monthly | CA - CALCTD |
| | | | | Value NODI | C - No Discharge | | | | | C - No Discharge | | | | |
| | | | | Sample | | | | | | | | | | |
| 04175 Phosphate, ortho [as P] | 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 | | | | | | | | | | |
| 50050 Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | – | Permit Req. | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | 99/99 - Continuous | RF - RCDFLO |
| | | | | Value NODI | C - No Discharge | | C - No Discharge | | | | | | | |
| | | | | Sample | | | | | | | | | | |
| 51040 E. coli | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | <= | 60 MO MAX | | 30 - MPN/100mL | 01/07 - Weekly | GR - GRAB |
| | | | | Value NODI | | | | | | C - No Discharge | | | | |
| | | | | Sample | | | | | | | | | | |
| 82220 Flow, total | 1 - Effluent Gross | 0 | – | Permit Req. | | | Req Mon MO TOTAL | 80 - Mgal/mo | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | 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 |
|---|---|---|
| 18BlackandDeckerWWTP10.pdf | pdf | 906377 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-11-20 14:22 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2018-11-21 08:46 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>CARROLL COUNTY<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 001<br>External Outfall | **Discharge:** | **001-A1**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/18 to 11/30/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | | | = | 3 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00310 | BOD, 5-day, 20 deg. C | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | | | <= | 15 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | = | 7.6 | | | = | 8 | 12 - SU | | 02/07 - Twice Every Week | GR - GRAB |
| 00400 | pH | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 02/07 - Twice Every Week | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 20 MX MO AV | <= | 30 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 10 MX MO AV | <= | 15 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | | | 19 - mg/L | | 01/30 - Monthly | 08 - COMP-8 |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 0.3 MX MO AV | | | 19 - mg/L | 0 | 01/30 - Monthly | 08 - COMP-8 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | = | 0.4647 | = | 1.09 | 03 - MGD | | | | | | | | | 01/30 - Monthly | MS - MEASRD |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | – | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/30 - Monthly | MS - MEASRD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 28 - ug/L | | 01/30 - Monthly | GR - GRAB |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 11 MX MO AV | <= | 19 DAILY MX | 28 - ug/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP11.pdf | pdf | 946189 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-12-20 10:12 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>CARROLL COUNTY<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 001<br>External Outfall | **Discharge:** | **001-A5**<br>PROPOSED | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/18 to 11/30/18** | **DMR Due Date:** | **12/28/18** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

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

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP11.pdf | pdf | 946189 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-12-20 10:13 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2018-12-26 07:21 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>CARROLL COUNTY<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 101<br>External Outfall | **Discharge:** | **101-A2**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/18 to 11/30/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| 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 MX WK AV | | 30 | 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 |
|---|---|---|
| 18BlackandDeckerWWTP11.pdf | pdf | 946189 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-12-20 10:14 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2018-12-26 07:21 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>CARROLL COUNTY<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 102<br>External Outfall | **Discharge:** | **102-A4**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/18 to 11/30/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

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

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Value NODI | C - No Discharge | | | | | | C - No Discharge | | | |
| | | | | Sample | | | | | | | | | | |
| 00665 Phosphorus, total [as P] | 1 - Effluent Gross | 1 | – | Permit Req. | | | Req Mon MO TOTAL | 76 - lb/mo | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | Value NODI | | | C - No Discharge | | | | | | | |
| | | | | Sample | | | | | | | | | | |
| 00665 Phosphorus, total [as P] | 1 - Effluent Gross | 2 | – | Permit Req. | | <= | 548 CUM TOTL | 50 - lb/yr | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | Value NODI | | | C - No Discharge | | | | | | | |
| | | | | Sample | | | | | | | | | | |
| 00665 Phosphorus, total [as P] | EG - Effluent Gross | 0 | – | Permit Req. | <= | 1.5 MX MO AV | | 26 - lb/d | | <= | .3 MX MO AV | 19 - mg/L | 01/30 - Monthly | CA - CALCTD |
| | | | | Value NODI | | C - No Discharge | | | | | C - No Discharge | | | |
| | | | | Sample | | | | | | | | | | |
| 04175 Phosphate, ortho [as P] | 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 | | | | | | | | | | |
| 50050 Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | – | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | 99/99 - Continuous | RF - RCDFLO |
| | | | | Value NODI | | C - No Discharge | | C - No Discharge | | | | | | |
| | | | | Sample | | | | | | | | | | |
| 51040 E. coli | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | <= | 60 MO MAX | 30 - MPN/100mL | 01/07 - Weekly | GR - GRAB |
| | | | | Value NODI | | | | | | | C - No Discharge | | | |
| | | | | Sample | | | | | | | | | | |
| 82220 Flow, total | 1 - Effluent Gross | 0 | – | Permit Req. | | | Req Mon MO TOTAL | 80 - Mgal/mo | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | 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 |
|---|---|---|
| 18BlackandDeckerWWTP11.pdf | pdf | 946189 |

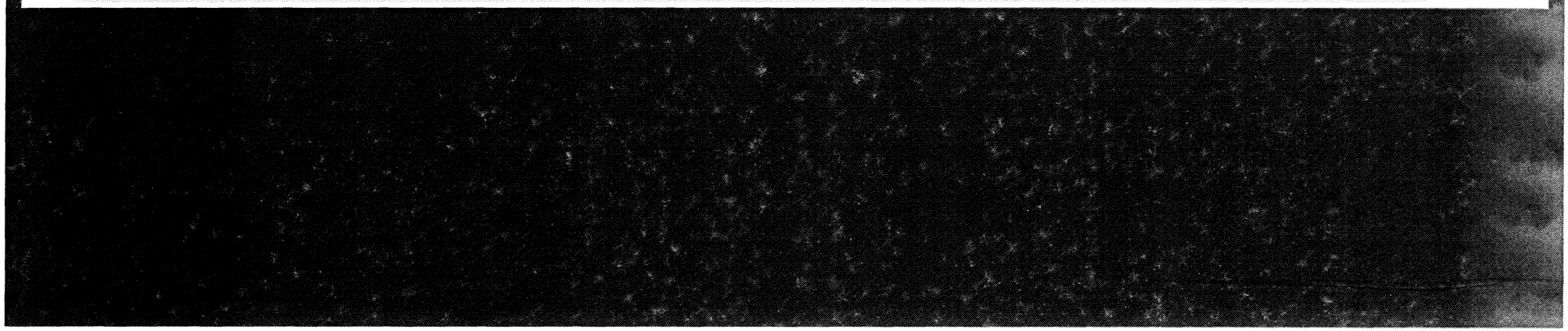
***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2018-12-20 10:14 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2018-12-26 07:21 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 001<br>External Outfall | **Discharge:** | **001-A1**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/18 to 12/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | | | = | 3 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00310 | BOD, 5-day, 20 deg. C | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | | | <= | 15 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | = | 7.1 | | | = | 7.8 | 12 - SU | | 02/07 - Twice Every Week | GR - GRAB |
| 00400 | pH | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 02/07 - Twice Every Week | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 20 MX MO AV | <= | 30 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 10 MX MO AV | <= | 15 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | | | 19 - mg/L | | 01/30 - Monthly | 08 - COMP-8 |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 0.3 MX MO AV | | | 19 - mg/L | 0 | 01/30 - Monthly | 08 - COMP-8 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | = | 0.4185 | = | 1.72 | 03 - MGD | | | | | | | | | 01/30 - Monthly | MS - MEASRD |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | – | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/30 - Monthly | MS - MEASRD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 28 - ug/L | | 01/30 - Monthly | GR - GRAB |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | <= | 11 MX MO AV | <= | 19 DAILY MX | 28 - ug/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP12.pdf | pdf | 902368 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2019-01-22 13:52 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 001<br>External Outfall | **Discharge:** | **001-A5**<br>PROPOSED | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/18 to 12/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

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

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP12.pdf | pdf | 902368 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2019-01-22 13:52 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2019-01-23 12:49 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 101<br>External Outfall | **Discharge:** | **101-A2**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/18 to 12/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| 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 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 |
|---|---|---|
| 18BlackandDeckerWWTP12.pdf | pdf | 902368 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2019-01-22 13:52 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2019-01-23 12:49 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 102<br>External Outfall | **Discharge:** | **102-A4**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/18 to 12/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** –

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00300 | Oxygen, dissolved [DO] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 5 INST MIN | | | | | 19 - mg/L | | 02/01 - Twice Per Day | CA - CALCTD |
| | | | | | Value NODI | | | | | | | C - No Discharge | | | | | | | | |
| 00310 | BOD, 5-day, 20 deg. C | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 225 MX WK AV | | | 26 - lb/d | | | <= | 45 MX WK AV | | | 19 - mg/L | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | C - No Discharge | | | | | | | C - No Discharge | | | | | | |
| 00310 | BOD, 5-day, 20 deg. C | EG - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 150 MX MO AV | | | 26 - lb/d | | | <= | 30 MX MO AV | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | C - No Discharge | | | | | | | C - No Discharge | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 02/01 - Twice Per Day | CA - CALCTD |
| | | | | | Value NODI | | | | | | | C - No Discharge | | | | C - No Discharge | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 113 MX WK AV | | | 26 - lb/d | | | <= | 23 MX WK AV | | | 19 - mg/L | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | C - No Discharge | | | | | | | C - No Discharge | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 1 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | Req Mon MO TOTAL | 76 - lb/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | C - No Discharge | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 2 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | <= | 27397 CUM TOTL | 50 - lb/yr | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | C - No Discharge | | | | | | | | | | | |
| 00530 | Solids, total suspended | EG - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 75 MX MO AV | | | 26 - lb/d | | | <= | 15 MX MO AV | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | C - No Discharge | | | | | | | C - No Discharge | | | | | | |
| 00600 | Nitrogen, total [as N] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | C - No Discharge | | | | | | |
| 00600 | Nitrogen, total [as N] | 1 - Effluent Gross | 1 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | Req Mon MO TOTAL | 76 - lb/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | C - No Discharge | | | | | | | | | | | |
| 00600 | Nitrogen, total [as N] | 1 - Effluent Gross | 2 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | Req Mon CUM TOTL | 50 - lb/yr | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | C - No Discharge | | | | | | | | | | | |
| 00605 | Nitrogen, organic total [as N] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | C - No Discharge | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross | 1 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 21 MX DA AV | | | 26 - lb/d | | | <= | 4.1 MX DA AV | | | 19 - mg/L | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | C - No Discharge | | | | | | | C - No Discharge | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | EA - Effluent Adjusted Value | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 6.5 MX MO AV | | | 26 - lb/d | | | <= | 1.3 MX MO AV | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | C - No Discharge | | | | | | | C - No Discharge | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | EG - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 9 MX MO AV | | | 26 - lb/d | | | <= | 1.8 MX MO AV | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | C - No Discharge | | | | | | | C - No Discharge | | | | | | |
| 00630 | Nitrite + Nitrate total [as N] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | C - No Discharge | | | | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00665 Phosphorus, total [as P] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | Permit Req. | <= | 2.3 MX WK AV | | | 26 - lb/d | <= | .45 MX WK AV | 19 - mg/L | | | |
| | | | | 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 CUM TOTL | 50 - lb/yr | | | | | | |
| | | | | Value NODI | | | | C - No Discharge | | | | | | | |
| 00665 Phosphorus, total [as P] | EG - Effluent Gross | 0 | – | Sample | | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | Permit Req. | <= | 1.5 MX MO AV | | | 26 - lb/d | <= | .3 MX MO AV | 19 - mg/L | | | |
| | | | | Value NODI | | C - No Discharge | | | | | C - No Discharge | | | | |
| 04175 Phosphate, ortho [as P] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | 02/07 - Twice Every Week | CA - CALCTD |
| | | | | Permit Req. | | | | | | | Req Mon MO AVG | 19 - mg/L | | | |
| | | | | Value NODI | | | | | | | C - No Discharge | | | | |
| 50050 Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | 99/99 - Continuous | RF - RCDFLO |
| | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | |
| | | | | Value NODI | | C - No Discharge | | C - No Discharge | | | | | | | |
| 51040 E. coli | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | Permit Req. | | | | | | <= | 60 MO MAX | 30 - MPN/100mL | | | |
| | | | | Value NODI | | | | | | | C - No Discharge | | | | |
| 82220 Flow, total | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | Permit Req. | | | | Req Mon MO TOTAL | 80 - Mgal/mo | | | | | | |
| | | | | Value NODI | | | | C - No Discharge | | | | | | | |

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP12.pdf | pdf | 902368 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2019-01-22 13:53 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2019-01-23 12:49 (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<br>HAMPSTEAD, MD 21074 | **Facility Location:** | 626 HANOVER PIKE<br>HAMPSTEAD, MD 21074 |
| **Permitted Feature:** | 201<br>External Outfall | **Discharge:** | **201-A3**<br>16-DP-0022 | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/18 to 12/31/18** | **DMR Due Date:** | **01/28/19** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | |
|---|---|---|---|
| **First Name:** | **Title:** | **Telephone:** | |
| **Last Name:** | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season | # Param. | NODI | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 28 - ug/L | 01/90 - Quarterly | GR - GRAB |
| 34506 | 1,1,1-Trichloroethane | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 5 DAILY MX | 28 - ug/L | 0 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | = | 0.2581 | = | 0.3306 | 03 - MGD | | | | | | | | 01/90 - Quarterly | MS - MEASRD |
| 74076 | Flow | 1 - Effluent Gross | 0 | -- | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 99/99 - Continuous | MS - MEASRD |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 28 - ug/L | 01/90 - Quarterly | GR - GRAB |
| 76029 | Organics, tot purgeables [Method 624] | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 100 DAILY MX | 28 - ug/L | 0 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 28 - ug/L | 01/90 - Quarterly | GR - GRAB |
| 78389 | Tetrachloroethene | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 5 DAILY MX | 28 - ug/L | 0 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0 | = | 0 | 28 - ug/L | 01/90 - Quarterly | GR - GRAB |
| 78391 | Trichloroethene | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 5 DAILY MX | 28 - ug/L | 0 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | |

***Submission Note***

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

***Edit Check Errors***

*No errors.*

***Comments***

***Attachments***

| Name | Type | Size |
|---|---|---|
| 18BlackandDeckerWWTP12.pdf | pdf | 902368 |

***Report Last Saved By***

***BTR HAMPSTEAD,LLC.***

| | |
|---|---|
| User: | AMYKLINE |
| Name: | Amy Kline |
| E-Mail: | akline@menv.com |
| Date/Time: | 2019-01-22 13:53 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | JAYJANNEY |
| Name: | Jay Janney |
| E-Mail: | jjann@menv.com |
| Date/Time: | 2019-01-23 12:49 (Time Zone: -05:00) |

# APPENDIX C
# GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS (OCTOBER - DECEMBER 2018)

ALS Environmental

34 Dogwood Lane ▪ 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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

October 15, 2018

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

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Project Name: | **BTR HAMPSTEAD WWTP** | Workorder: | **2342006** |
| 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, October 2, 2018.

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

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

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



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

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

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

34 Dogwood Lane ▪ 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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 2342006 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|---|---|---|---|---|---|
| 2342006001 | BTR 001 | Waste Water | 10/2/2018 09:00 | 10/2/2018 20:45 | Collected by Client |

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 2342006 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 incurbator and the "Analyzed" value is the date/time out the incubator.

**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

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2342006 BTR HAMPSTEAD WWTP

Lab ID: **2342006001** Date Collected: 10/2/2018 09:00 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 10/2/2018 20:45

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| Biochemical Oxygen Demand | 7.4 | | mg/L | 2.0 | S5210B-11 | | | 10/3/18 11:15 | DXC | A |
| Oil/Grease Hexane Extractable | ND | | mg/L | 2.0 | EPA 1664B | | | 10/4/18 14:30 | ELS | D |
| Phosphorus, Total | ND | | mg/L | 0.10 | EPA 365.1 | 10/10/18 06:10 | KXK | 10/10/18 08:27 | KXK | C |
| Total Suspended Solids | 9 | | mg/L | 5 | S2540D-11 | | | 10/5/18 12:08 | D1C | A |

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

34 Dogwood Lane ▪ 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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 2342006 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Analysis Method | Prep Method |
|---|---|---|---|
| 2342006001 | BTR 001 | EPA 1664B | |
| 2342006001 | BTR 001 | EPA 365.1 | EPA 365.1 |
| 2342006001 | BTR 001 | S2540D-11 | |
| 2342006001 | BTR 001 | S5210B-11 | |

# CHAIN OF CUSTODY / SAMPLE INFORMATION FORI

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

* 2 3 4 2 0 0 6 *

Lab # ALS Client Code

Sampler Brie Musselman

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP (Monthly)**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time KF 10/2017

| Station No./ Sample ID | Station Location | Grab or Composite | Container Description/ Preservation Status | Matrix | # of Containers | Date | Time | Analyses Required/Comments |
|---|---|---|---|---|---|---|---|---|
| BTR1 | BTR 001 | Monthly Grab | 1 Liter Plastic Unpreserved | WW | 1 | 10-2-18 | 0900 | BOD |
| BTR2 | | Monthly 8 hr Comp | 250 ml Plastic H2S04 | WW | 1 | 10-2-18 | 0905 | TP |
| BTR3 | | Monthly Grab | 1 Liter Glass H2S04 | WW | 1 | 10-2-18 | 0900 | Oil and Grease |
| BTR4 | BTR 001 | Monthly Grab | 1 Liter Plastic Unpreserved | WW | 1 | 10-2-18 | 0900 | TSS |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| Transferred by: | Received by: | Date 10-2-18 | Time 11:20 | Sufficien |
| Transferred by: | Received by: | Date 10/2 | Time 1330 | Sample ( Custody |
| Transferred by: | Received by: COMMON COURIER / ALS COURIER | Date | Time | Initials: |

| | Y | N | Initials | Cooler Temp |
|---|---|---|---|---|
| Custody Seals Present? | | | | 2 °C |
| (if present) Seals Intact? | | | qm | |
| Received on Ice? | ✓ | | | Cooler #: |
| COC/Labls Complete | ✓ | | | |
| Cont in Good Cond? | ✓ | | | Therm ID: 359 |
| Correct Containers? | ✓ | | | |
| Correct Samp Vol? | ✓ | | | Ship Carrier |
| Correct Preservation? | ✓ | | | FedEx UPS |
| Headspace/Volatiles? | | | | DHL |

Tracking #: N/A

COMMON COURIER / ALS COURIER qm ALS 10/2/18 2045

ALS

ALS Environmental

34 Dogwood Lane ▪ 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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

October 7, 2018

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

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Project Name: | **BTR HAMPSTEAD WWTP** | Workorder: | **2342000** |
| 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, October 2, 2018.

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

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

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



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

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

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 2342000 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|---|---|---|---|---|---|
| 2342000001 | BTR 201 Monthly Grab | Water | 10/2/2018 08:48 | 10/2/2018 20:45 | Collected by Client |
| 2342000002 | BTR 201 Qrtly Grab | Water | 10/2/2018 08:50 | 10/2/2018 20:45 | Collected by Client |

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 2342000 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 incurbator and the "Analyzed" value is the date/time out the incubator.

**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

34 Dogwood Lane ▪ 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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2342000 BTR HAMPSTEAD WWTP

Lab ID: **2342000001** Date Collected: 10/2/2018 08:48 Matrix: Water

Sample ID: **BTR 201 Monthly Grab** Date Received: 10/2/2018 20:45

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANICS** | | | | | | | | | | |
| Benzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Bromodichloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Bromoform | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Bromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Carbon Tetrachloride | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Chlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Chlorodibromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Chloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 2-Chloroethylvinyl ether | ND | | ug/L | 2.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Chloroform | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Chloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,2-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,3-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,4-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,1-Dichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,1-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,2-Dichloroethene, Total | ND | | ug/L | 2.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| trans-1,2-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,2-Dichloropropane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| cis-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| trans-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Ethylbenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Methylene Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Tetrachloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Toluene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,1,1-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 1,1,2-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Trichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Trichlorofluoromethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Vinyl Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:41 | PDK | A |

| *Surrogate Recoveries* | *Results* | *Flag* | *Units* | *Limits* | *Method* | *Prepared* | *By* | *Analyzed* | *By* | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (S) | 91.9 | | % | 72 - 142 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| 4-Bromofluorobenzene (S) | 111 | | % | 73 - 119 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Dibromofluoromethane (S) | 83.8 | | % | 74 - 132 | EPA 624 | | | 10/4/18 23:41 | PDK | A |
| Toluene-d8 (S) | 81.4 | | % | 75 - 133 | EPA 624 | | | 10/4/18 23:41 | PDK | A |

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2342000 BTR HAMPSTEAD WWTP

Lab ID: **2342000001** Date Collected: 10/2/2018 08:48 Matrix: Water

Sample ID: **BTR 201 Monthly Grab** Date Received: 10/2/2018 20:45

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

34 Dogwood Lane ▪ 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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2342000 BTR HAMPSTEAD WWTP

Lab ID: **2342000002** Date Collected: 10/2/2018 08:50 Matrix: Water

Sample ID: **BTR 201 Qrtly Grab** Date Received: 10/2/2018 20:45

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANICS** | | | | | | | | | | |
| Benzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Bromodichloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Bromoform | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Bromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Carbon Tetrachloride | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Chlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Chlorodibromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Chloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 2-Chloroethylvinyl ether | ND | | ug/L | 2.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Chloroform | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Chloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,2-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,3-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,4-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,1-Dichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,1-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,2-Dichloroethene, Total | ND | | ug/L | 2.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| trans-1,2-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,2-Dichloropropane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| cis-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| trans-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Ethylbenzene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Methylene Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Tetrachloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Toluene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,1,1-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 1,1,2-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Trichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Trichlorofluoromethane | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Vinyl Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 10/4/18 23:19 | PDK | A |

| *Surrogate Recoveries* | *Results* | *Flag* | *Units* | *Limits* | *Method* | *Prepared* | *By* | *Analyzed* | *By* | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (S) | 89.5 | | % | 72 - 142 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| 4-Bromofluorobenzene (S) | 115 | | % | 73 - 119 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Dibromofluoromethane (S) | 84 | | % | 74 - 132 | EPA 624 | | | 10/4/18 23:19 | PDK | A |
| Toluene-d8 (S) | 82.4 | | % | 75 - 133 | EPA 624 | | | 10/4/18 23:19 | PDK | A |

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2342000 BTR HAMPSTEAD WWTP

Lab ID: **2342000002** Date Collected: 10/2/2018 08:50 Matrix: Water

Sample ID: **BTR 201 Qrtly Grab** Date Received: 10/2/2018 20:45

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 2342000 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Analysis Method | Prep Method |
|---|---|---|---|
| 2342000001 | BTR 201 Monthly Grab | EPA 624 | |
| 2342000002 | BTR 201 Qrtly Grab | EPA 624 | |

# CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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

*2342000*

Lab # ALS Client Code

Sampler Eric Musselman

Client Name/Phone/FAX Maryland Environmental Service

Project Name BTR WWTP

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time

| Station No./ Sample ID | Station Location | Grab or Composite | Container Description/ Preservation Status | Matrix | # of Containers | Date | Time | Analyses Required/Comments |
|---|---|---|---|---|---|---|---|---|
| BTR5 | BTR 201 | Monthly Grab | 40ml Glass VOA Vial, HCl | WW | 3 | 10-2-18 | 0848 | 1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables |
| [redacted] | | | | | | | | |
| BTR6 | BTR 201 | Quarterly Grab | 40ml Glass VOA Vial, HCl | WW | 3 | 10-2-18 | 0850 | Total Volatiles Organics EPA 624 Purgeables |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | | |
|---|---|---|---|
| Transferred by: | Received by: | Date 10/2/18 | Time 1120 |
| Transferred by: | Received by: | Date 10/2 | Time 1550 |
| Transferred by: | Received by: COMMON COURIER / ALS COURIER | Date | Time |

COMMON COURIER / ALS COURIER qw AU 10/2/18 2045

| | Y | N | Initials | Cooler Temp |
|---|---|---|---|---|
| Custody Seals Present? | | ✓ | qw | 3 °C |
| (if present) Seals Intact? | | | | Cooler #: |
| Received on Ice? | ✓ | | | |
| COC/Lbls Complete | ✓ | | | Therm ID 359 |
| Cont in Good Cond? | ✓ | | | |
| Correct Containers? | ✓ | | | Ship Carrier |
| Correct Samp Vol? | ✓ | | | FedEx UPS |
| Correct Preservation? | ✓ | | | DHL |
| Headspace/Volatiles? | | ✓ | | |

Tracking #: N/A

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

December 4, 2018

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

# Certificate of Analysis

**Revised Report - 12/4/2018 1:09:14 AM - See workorder comment section for explanation**

| | | | |
|---|---|---|---|
| Project Name: | **BTR HAMPSTEAD WWTP** | Workorder: | **3000699** |
| Purchase Order: | **W/WW** | Workorder ID: | **BTR HAMPSTEAD WWTP** |

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, November 14, 2018.

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

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

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



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

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

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 3000699 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|---|---|---|---|---|---|
| 3000699001 | BTR 001 | Waste Water | 11/14/2018 08:35 | 11/14/2018 21:30 | Collected by Client |
| 3000699002 | BTR 001 | Waste Water | 11/14/2018 08:38 | 11/14/2018 21:30 | Collected by Client |

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 3000699 BTR HAMPSTEAD WWTP

**Notes**

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

**Standard Acronyms/Flags**

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

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 3000699 BTR HAMPSTEAD WWTP

Lab ID: **3000699001** Date Collected: 11/14/2018 08:35 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 11/14/2018 21:30

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| Biochemical Oxygen Demand | 3.0 | 1 | mg/L | 2.0 | S5210B-11 | | | 11/15/18 17:00 | MXO | A |
| Oil/Grease Hexane Extractable | ND | | mg/L | 2.0 | EPA 1664B | | | 11/28/18 10:00 | ELS | C |
| Total Suspended Solids | ND | | mg/L | 5 | S2540D-11 | | | 11/21/18 12:25 | D1C | A |

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 3000699 BTR HAMPSTEAD WWTP

Lab ID: **3000699002** Date Collected: 11/14/2018 08:38 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 11/14/2018 21:30

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| Phosphorus, Total | ND | | mg/L | 0.10 | EPA 365.1 | 11/29/18 09:45 | KXK | 11/30/18 12:47 | KXK | A |

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 3000699 BTR HAMPSTEAD WWTP

**PARAMETER QUALIFIERS**

| Lab ID | # | Sample ID | Analytical Method | Analyte |
|---|---|---|---|---|
| **3000699001** | 1 | BTR 001 | S5210B-11 | Biochemical Oxygen Demand |

The dilution water blank associated with this analyte had a dissolved oxygen depletion of 0.23 mg/l. Criteria states that the depletion should be at a maximum 0.2 mg/l.

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3000699 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Analysis Method | Prep Method |
|---|---|---|---|
| 3000699001 | BTR 001 | EPA 1664B | |
| 3000699001 | BTR 001 | S2540D-11 | |
| 3000699001 | BTR 001 | S5210B-11 | |
| 3000699002 | BTR 001 | EPA 365.1 | EPA 365.1 |

# CHAIN OF CUSTO[illegible]FORMATION FORM

3000699

Maryland Environmental Service • 529 N[illegible]08 • (410) 729-8200 • FAX (410) 729-8340

*3000699*

Lab # ALS Client Code [illegible] Brie Musselman

| | |
|---|---|
| Client Name/Phone/FAX Maryland Environmental Service | Project Name **BTR WWTP (Monthly)** |
| Client Address | Project Number 593-9384-1700 |
| Invoice Address | Sample Turnaround Time KF 10/2017 |

| Station No./ Sample ID | Station Location | Grab or Composite | Container Description/ Preservation Status | Matrix | # of Containers | Date | Time | Analyses Required/Comments |
|---|---|---|---|---|---|---|---|---|
| BTR1 | BTR 001 | Monthly Grab | 1 Liter Plastic Unpreserved | WW | 1 | 11-14-18 | 0835 | BOD |
| BTR2 | | Monthly 8 hr Comp | 250 ml Plastic H2S04 | WW | 1 | 11-14-18 | 0838 | TP |
| BTR3 | | Monthly Grab | 1 Liter Glass H2S04 | WW | 1 | 11-14-18 | 0835 | Oil and Grease |
| BTR4 | BTR 001 | Monthly Grab | 1 Liter Plastic Unpreserved | WW | 1 | 11-14-18 | 0835 | TSS |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| Transferred by: | Received by: | Date 11/14/18 | Time 1107 | Cooler Receipt Information **(LAB USE ONLY)** |
| Transferred by: | Received by: | Date 11/14 | Time 1440 | Sufficient ice? - Yes/No If No, temp.= _____ |
| Transferred by: 11.14 1620 | Received by: COMMON COURIER / ALS COURIER | Date | Time | Sample containers pres'd? - Yes/No If No, explain |
| | | | | Custody Seal present/intact? - Yes/No |
| | | | | Initials: Date: |

COMMON COURIER / ALS COURIER

Recd [signature] 11-14-18 2130

| | Y | N | Initials |
|---|---|---|---|
| Custody Seals Present? | | | DW |
| (if present) Seals Intact? | | | |
| Received on Ice? | | | |
| COC/Lbls Complete | | | |
| Cont in Good Cond? | | | |
| Correct Containers? | | | |
| Correct Samp Vol? | | | |
| Correct Preservation? | | | |
| Headspace/Volatiles? | | | |

Cooler Temp: 3 °C

Cooler #: _____

Therm ID: 2R3

Ship Carrier

FedEx UPS

DHL _____

Tracking #:

28

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

November 19, 2018

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

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Project Name: | **BTR HAMPSTEAD WWTP** | Workorder: | **3000700** |
| Purchase Order: | **W/WW** | Workorder ID: | **BTR HAMPSTEAD WWTP** |

Dear Maryland Services-LF Data:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, November 14, 2018.

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

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

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



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

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

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 3000700 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|---|---|---|---|---|---|
| 3000700001 | BTR 201 | Water | 11/14/2018 08:48 | 11/14/2018 21:30 | Collected by Client |

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 3000700 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 incurbator and the "Analyzed" value is the date/time out the incubator.

**Standard Acronyms/Flags**

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

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 3000700 BTR HAMPSTEAD WWTP

Lab ID: **3000700001** Date Collected: 11/14/2018 08:48 Matrix: Water

Sample ID: **BTR 201** Date Received: 11/14/2018 21:30

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANICS** | | | | | | | | | | |
| Benzene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Bromodichloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Bromoform | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Bromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Carbon Tetrachloride | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Chlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Chlorodibromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Chloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 2-Chloroethylvinyl ether | ND | | ug/L | 2.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Chloroform | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Chloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,2-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,3-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,4-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,1-Dichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,1-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,2-Dichloroethene, Total | ND | | ug/L | 2.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| trans-1,2-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,2-Dichloropropane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| cis-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| trans-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Ethylbenzene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Methylene Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Tetrachloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Toluene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,1,1-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 1,1,2-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Trichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Trichlorofluoromethane | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Vinyl Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| *Surrogate Recoveries* | *Results* | *Flag* | *Units* | *Limits* | *Method* | *Prepared* | *By* | *Analyzed* | *By* | *Cntr* |
| 1,2-Dichloroethane-d4 (S) | 91.6 | | % | 72 - 142 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| 4-Bromofluorobenzene (S) | 116 | | % | 73 - 119 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Dibromofluoromethane (S) | 82.2 | | % | 74 - 132 | EPA 624 | | | 11/17/18 02:43 | PDK | A |
| Toluene-d8 (S) | 90.9 | | % | 75 - 133 | EPA 624 | | | 11/17/18 02:43 | PDK | A |

ALS Environmental

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 3000700 BTR HAMPSTEAD WWTP

| | | | | | |
|---|---|---|---|---|---|
| Lab ID: | **3000700001** | Date Collected: | 11/14/2018 08:48 | Matrix: | Water |
| Sample ID: | **BTR 201** | Date Received: | 11/14/2018 21:30 | | |

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

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## ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3000700 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Analysis Method | Prep Method |
|---|---|---|---|
| 3000700001 | BTR 201 | EPA 624 | |

# CHAIN OF CUSTODY INFORMATION FORM

3000700

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

*3000700*

Lab # Client Code Bill Musselman

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time

| Station No./ Sample ID | Station Location | Grab or Composite | Container Description/ Preservation Status | Matrix | # of Containers | Date | Time | Analyses Required/Comments |
|---|---|---|---|---|---|---|---|---|
| BTR5 | BTR 201 | Monthly Grab | 40ml Glass VOA Vial, HCl | WW | 3 | 11-14-18 | 0848 | 1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables |
| [redacted] | | | | | | | | |
| [redacted] | | | | | | | | |
| | | | | | | | | |
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| | | | |
|---|---|---|---|
| Transferred by: | Received by: | Date 11/14/18 | Time 1107 |
| Transferred by: | Received by: | Date 11/14 | Time 1440 |
| Transferred by: 11/14 1620 | Received by: COMMON COURIER / ALS COURIER | Date | Time |

COMMON COURIER / ALS COURIER Received by: 11-14-18 2130

Cooler Receipt Information (**LAB USE ONLY**)

Sufficient ice? - Yes/No If No, temp.= _____

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

Custody Seal present/intact? - Yes/No

Initial

| | Y | N | Initials |
|---|---|---|---|
| Custody Seals Present? | | | DW |
| (if present) Seals Intact? | | | |
| Received on Ice? | | | |
| COC/Labls Complete | | | |
| Cont in Good Cond? | | | |
| Correct Containers? | | | |
| Correct Samp Vol? | | | |
| Correct Preservation? | | | |
| Headspace/Volatiles? | | | |

Cooler Temp: 1 °C

Cooler #:

Therm ID: 403

Ship Carrier

FedEx UPS

DHL

Tracking #.

ALS

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December 19, 2018

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

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Project Name: | **BTR HAMPSTEAD WWTP** | Workorder: | **3004159** |
| 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, December 4, 2018.

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

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

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



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

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

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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

## SAMPLE SUMMARY

Workorder: 3004159 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|---|---|---|---|---|---|
| 3004159001 | BTR 001 | Waste Water | 12/4/2018 09:00 | 12/4/2018 21:30 | Collected by Client |

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## SAMPLE SUMMARY

Workorder: 3004159 BTR HAMPSTEAD WWTP

**Notes**

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

**Standard Acronyms/Flags**

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

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

## ANALYTICAL RESULTS

Workorder: 3004159 BTR HAMPSTEAD WWTP

Lab ID: **3004159001** Date Collected: 12/4/2018 09:00 Matrix: Waste Water

Sample ID: **BTR 001** Date Received: 12/4/2018 21:30

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| Biochemical Oxygen Demand | 3.0 | 1 | mg/L | 2.0 | S5210B-11 | | | 12/5/18 05:00 | BSL | B |
| Oil/Grease Hexane Extractable | ND | | mg/L | 1.9 | EPA 1664B | | | 12/12/18 17:05 | JXS | A |
| Phosphorus, Total | ND | | mg/L | 0.10 | EPA 365.1 | 12/14/18 10:45 | AK | 12/16/18 09:57 | KXK | D1 |
| Total Suspended Solids | ND | | mg/L | 5 | S2540D-11 | | | 12/11/18 09:51 | D1C | B |

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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## ANALYTICAL RESULTS

Workorder: 3004159 BTR HAMPSTEAD WWTP

**PARAMETER QUALIFIERS**

| Lab ID | # | Sample ID | Analytical Method | Analyte |
|---|---|---|---|---|
| **3004159001** | 1 | BTR 001 | S5210B-11 | Biochemical Oxygen Demand |

The laboratory control sample associated with this analysis was recovered at 82% which is outside the acceptance limit of 85% to 115%.
Reanalysis was not performed due to holding time restrictions.

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## ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3004159 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Analysis Method | Prep Method |
|---|---|---|---|
| 3004159001 | BTR 001 | EPA 1664B | |
| 3004159001 | BTR 001 | EPA 365.1 | EPA 365.1 |
| 3004159001 | BTR 001 | S2540D-11 | |
| 3004159001 | BTR 001 | S5210B-11 | |

# CHAIN OF CUSTODY / LABORATORY INFORMATION FORM

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

3004159

*3004159*

Lab # 425 Client Code Sampler: 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 | 12/4/18 | 0900 | BOD |
| BTR2 | | Monthly 8 hr Comp | 250 ml Plastic H2S04 | WW | 1 | 12/4/18 | 0900 | TP |
| BTR3 | | Monthly Grab | 1 Liter Glass H2S04 | WW | 1 | 12/4/18 | 0900 | Oil and Grease |
| BTR4 | BTR 001 | Monthly Grab | 1 Liter Plastic Unpreserved | WW | 1 | 12/4/18 | 0900 | TSS |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| Transferred by: Garrett Schreiber | Received by: | Date 12/4/18 | Time 11:45 | |
| Transferred by: | Received by: | Date 12/4 | Time 1600 | |
| Transferred by: | Received by: COMMON COURIER / ALS COURIER | Date 12/4 | Time | |

COMMON COURIER / ALS COURIER 12/4/18 2130

| | Y | N | Initials | Cooler Temp |
|---|---|---|---|---|
| Custody Seals Present? | | | KM | 0.5 °C |
| (if present) Seals Intact? | | | | |
| Received on Ice? | | | | Cooler # |
| COC/Lbls Complete | | | | |
| Cont in Good Cond? | | | | Therm ID 403 |
| Correct Containers? | | | | |
| Correct Samp Vol? | | | | Ship Carrier |
| Correct Preservation? | | | | FedEx UPS |
| Headspace/Volatiles? | | | | DHL |

Tracking # N/A

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

December 10, 2018

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

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Project Name: | **BTR HAMPSTEAD WWTP** | Workorder: | **3004171** |
| 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, December 4, 2018.

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

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

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



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

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

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

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 3004171 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|---|---|---|---|---|---|
| 3004171001 | BTR 201 | Water | 12/4/2018 08:47 | 12/4/2018 21:30 | Collected by Client |

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## SAMPLE SUMMARY

Workorder: 3004171 BTR HAMPSTEAD WWTP

**Notes**

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

**Standard Acronyms/Flags**

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

ALS Environmental

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 3004171 BTR HAMPSTEAD WWTP

Lab ID: **3004171001** Date Collected: 12/4/2018 08:47 Matrix: Water

Sample ID: **BTR 201** Date Received: 12/4/2018 21:30

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANICS** | | | | | | | | | | |
| Benzene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Bromodichloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Bromoform | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Bromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Carbon Tetrachloride | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Chlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Chlorodibromomethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Chloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 2-Chloroethylvinyl ether | ND | | ug/L | 2.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Chloroform | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Chloromethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,2-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,3-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,4-Dichlorobenzene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,1-Dichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,1-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,2-Dichloroethene, Total | ND | | ug/L | 2.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| trans-1,2-Dichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,2-Dichloropropane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| cis-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| trans-1,3-Dichloropropene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Ethylbenzene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Methylene Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Tetrachloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Toluene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,1,1-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 1,1,2-Trichloroethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Trichloroethene | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Trichlorofluoromethane | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Vinyl Chloride | ND | | ug/L | 1.0 | EPA 624 | | | 12/8/18 06:16 | PDK | A |

| *Surrogate Recoveries* | *Results* | *Flag* | *Units* | *Limits* | *Method* | *Prepared* | *By* | *Analyzed* | *By* | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (S) | 98.4 | | % | 72 - 142 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| 4-Bromofluorobenzene (S) | 98.2 | | % | 73 - 119 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Dibromofluoromethane (S) | 98.6 | | % | 74 - 132 | EPA 624 | | | 12/8/18 06:16 | PDK | A |
| Toluene-d8 (S) | 89.1 | | % | 75 - 133 | EPA 624 | | | 12/8/18 06:16 | 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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 3004171 BTR HAMPSTEAD WWTP

Lab ID: **3004171001** Date Collected: 12/4/2018 08:47 Matrix: Water

Sample ID: **BTR 201** Date Received: 12/4/2018 21:30

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|---|

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: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3004171 BTR HAMPSTEAD WWTP

| Lab ID | Sample ID | Analysis Method | Prep Method |
|---|---|---|---|
| 3004171001 | BTR 201 | EPA 624 | |

# CHAIN OF CUS[illegible]NFORMATION FORM 3004171

Maryland Environmental Service • [illegible] 21108 • (410) 729-8200 • FAX (410) 729-8340

*3004171*

Lab # AL) Client Code [illegible] Sampler Garrett Schelter / 2500

Client Name/Phone/FAX Maryland Environmental Service

Project Name **BTR WWTP**

Client Address

Project Number 593-9384-1700

Invoice Address

Sample Turnaround Time

| Station No./ Sample ID | Station Location | Grab or Composite | Container Description/ Preservation Status | Matrix | # of Containers | Date | Time | Analyses Required/Comments |
|---|---|---|---|---|---|---|---|---|
| BTR5 | BTR 201 | Monthly Grab | 40ml Glass VOA Vial, HCl | WW | 3 | 12/4/18 | 0847 | 1,1,1,-Trichloroethane, Tetrachloroethylene, Trichloroethene MDE Table I VOC's -EPA 624 Purgeables |
| | ~~BTR 201~~ | Quarterly Grab | ~~40ml Glass VOA Vial, HCl~~ | ~~WW~~ | ~~3~~ | | | ~~Volatiles Organics - EPA 624 Purgeables~~ |
| | ~~BTR 201~~ | Quarterly Grab | ~~40ml Glass VOA Vial, HCl~~ | ~~WW~~ | ~~3~~ | | | ~~Total Volatiles Organics - EPA 624 Purgeables~~ |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

| | | | |
|---|---|---|---|
| Transferred by: Garrett Schelter | Received by: | Date 12/4/18 | Time 1450 |
| Transferred by: | Received by: | Date 12/4 | Time 1600 |
| Transferred by: | Received by: COMMON COURIER / ALS COURIER | Date 12/4 | Time |

COMMON COURIER / ALS COURIER

12/4/18 2130

Custody Seals Present? Y N Initials KM Cooler Temp 0.5 °C

Su (if present) Seals Intact?

Sa Received on Ice?

Cu COC/Lbls Complete?

Init Cont in Good Cond?

Correct Containers?

Correct Samp Vol?

Correct Preservation?

~~Headspace/Volatiles?~~

Cooler #:

Therm ID: 403

Ship Carrier

FedEx UPS

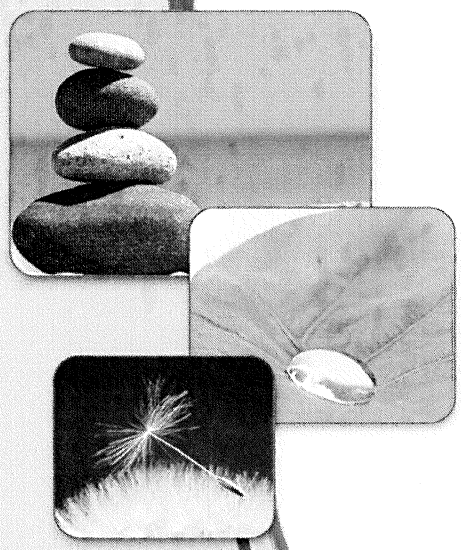
DHL

Tracking #: N/A

# APPENDIX D
# GROUNDWATER ANALYTICAL DATA PACKAGE
# (NOVEMBER 2018)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

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

TestAmerica Job ID: 500-155225-1
Client Project/Site: Black and Decker

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

Attn: Greg Flasinski

*Authorized for release by:*
*12/6/2018 5:28:14 PM*

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

# Table of Contents

## Job ID: 500-155225-1

### Laboratory: TestAmerica Chicago

**Narrative**

**Job Narrative**
**500-155225-1**

**Receipt**
The samples were received on 11/24/2018 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.8° C.

**GC/MS VOA**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

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

TestAmerica Job ID: 500-155225-1

## Client Sample ID: EW-2 — Lab Sample ID: 500-155225-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | 1.7 | | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 110 | | 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: 500-155225-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 3.9 | J | 5.0 | 1.7 | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 1.6 | | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 20 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 0.79 | J | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-4 — Lab Sample ID: 500-155225-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 160 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 3.5 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-5 — Lab Sample ID: 500-155225-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 78 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 3.3 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-6 — Lab Sample ID: 500-155225-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 2.7 | J | 5.0 | 1.7 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 5.8 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 10 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-7 — Lab Sample ID: 500-155225-6

| 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 | 1.6 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 4.5 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-8 — Lab Sample ID: 500-155225-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 2.5 | J | 5.0 | 1.7 | ug/L | 1 | | 8260B | Total/NA |
| 1,1-Dichloroethane | 0.83 | J | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 25 | | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 5.7 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 52 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-9 — Lab Sample ID: 500-155225-8

This Detection Summary does not include radiochemical test results.

## Client Sample ID: EW-9 (Continued) — Lab Sample ID: 500-155225-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 0.30 | J | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 59 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-9 Dup — Lab Sample ID: 500-155225-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 2.8 | J | 5.0 | 1.7 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.50 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 55 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: EW-10 — Lab Sample ID: 500-155225-10

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

## Client Sample ID: RFW-1A — Lab Sample ID: 500-155225-11

No Detections.

## Client Sample ID: RFW-1B — Lab Sample ID: 500-155225-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 4.1 | J | 5.0 | 1.7 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: RFW-2A — Lab Sample ID: 500-155225-13

No Detections.

## Client Sample ID: RFW-2B — Lab Sample ID: 500-155225-14

No Detections.

## Client Sample ID: RFW-3B — Lab Sample ID: 500-155225-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 3.2 | J | 5.0 | 1.7 | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 0.97 | J | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: RFW-6 — Lab Sample ID: 500-155225-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | 0.56 | J | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.75 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: RFW-11B — Lab Sample ID: 500-155225-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 0.93 | | 0.50 | 0.16 | 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

TestAmerica Job ID: 500-155225-1

## Client Sample ID: RFW-17 — Lab Sample ID: 500-155225-18

No Detections.

## Client Sample ID: Trip Blank — Lab Sample ID: 500-155225-19

No Detections.

## Client Sample ID: RFW-9 — Lab Sample ID: 500-155225-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.65 | J | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 26 | | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 3.8 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 4.6 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: RFW-7 — Lab Sample ID: 500-155225-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.20 | J | 0.50 | 0.15 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 1.8 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: RFW-13 — Lab Sample ID: 500-155225-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | 2.4 | | 1.0 | 0.35 | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 2.6 | | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 1.9 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 8.3 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: RFW-4B — Lab Sample ID: 500-155225-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | 2.9 | | 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 | 48 | | 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-4A — Lab Sample ID: 500-155225-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | 0.74 | J | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Chloroform | 0.56 | J | 2.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 25 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 14 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

## Client Sample ID: RFW-4A Dup — Lab Sample ID: 500-155225-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | 0.55 | J | 2.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 25 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 14 | | 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

TestAmerica Job ID: 500-155225-1

## Client Sample ID: RFW-12B

## Lab Sample ID: 500-155225-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 3.2 | J B | 5.0 | 1.6 | ug/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 1.9 | | 1.0 | 0.41 | ug/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 74 | | 0.50 | 0.16 | ug/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 5.6 | | 1.0 | 0.37 | ug/L | 1 | | 8260B | Total/NA |

This Detection Summary does not include radiochemical test results.

# Method Summary

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

TestAmerica Job ID: 500-155225-1

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

# Sample Summary

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

TestAmerica Job ID: 500-155225-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 500-155225-1 | EW-2 | Water | 11/21/18 16:20 | 11/24/18 09:50 |
| 500-155225-2 | EW-3 | Water | 11/21/18 13:00 | 11/24/18 09:50 |
| 500-155225-3 | EW-4 | Water | 11/21/18 13:05 | 11/24/18 09:50 |
| 500-155225-4 | EW-5 | Water | 11/21/18 13:20 | 11/24/18 09:50 |
| 500-155225-5 | EW-6 | Water | 11/21/18 15:15 | 11/24/18 09:50 |
| 500-155225-6 | EW-7 | Water | 11/21/18 15:05 | 11/24/18 09:50 |
| 500-155225-7 | EW-8 | Water | 11/21/18 15:00 | 11/24/18 09:50 |
| 500-155225-8 | EW-9 | Water | 11/21/18 14:50 | 11/24/18 09:50 |
| 500-155225-9 | EW-9 Dup | Water | 11/21/18 14:50 | 11/24/18 09:50 |
| 500-155225-10 | EW-10 | Water | 11/21/18 14:40 | 11/24/18 09:50 |
| 500-155225-11 | RFW-1A | Water | 11/21/18 09:25 | 11/24/18 09:50 |
| 500-155225-12 | RFW-1B | Water | 11/21/18 10:15 | 11/24/18 09:50 |
| 500-155225-13 | RFW-2A | Water | 11/21/18 11:00 | 11/24/18 09:50 |
| 500-155225-14 | RFW-2B | Water | 11/21/18 11:50 | 11/24/18 09:50 |
| 500-155225-15 | RFW-3B | Water | 11/21/18 14:10 | 11/24/18 09:50 |
| 500-155225-16 | RFW-6 | Water | 11/21/18 16:10 | 11/24/18 09:50 |
| 500-155225-17 | RFW-11B | Water | 11/21/18 17:00 | 11/24/18 09:50 |
| 500-155225-18 | RFW-17 | Water | 11/21/18 12:50 | 11/24/18 09:50 |
| 500-155225-19 | Trip Blank | Water | 11/21/18 06:00 | 11/24/18 09:50 |
| 500-155225-20 | RFW-9 | Water | 11/23/18 07:25 | 11/24/18 09:50 |
| 500-155225-21 | RFW-7 | Water | 11/23/18 08:15 | 11/24/18 09:50 |
| 500-155225-22 | RFW-13 | Water | 11/23/18 10:10 | 11/24/18 09:50 |
| 500-155225-23 | RFW-4B | Water | 11/23/18 11:25 | 11/24/18 09:50 |
| 500-155225-24 | RFW-4A | Water | 11/23/18 12:15 | 11/24/18 09:50 |
| 500-155225-25 | RFW-4A Dup | Water | 11/23/18 12:15 | 11/24/18 09:50 |
| 500-155225-26 | RFW-12B | Water | 11/23/18 13:45 | 11/24/18 09:50 |

## Client Sample ID: EW-2

Date Collected: 11/21/18 16:20
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-1
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 | | | 12/03/18 11:18 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 11:18 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 11:18 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 11:18 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 11:18 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 11:18 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:18 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 11:18 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 11:18 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 11:18 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:18 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 11:18 | 1 |
| cis-1,2-Dichloroethene | 1.7 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:18 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 11:18 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 11:18 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 11:18 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:18 | 1 |
| Trichloroethene | 110 | | 0.50 | 0.16 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 11:18 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 11:18 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 11:18 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 11:18 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 11:18 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 11:18 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 11:18 | 1 |
| Tetrachloroethene | 51 | | 1.0 | 0.37 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:18 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 11:18 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:18 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 11:18 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 11:18 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 11:18 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 11:18 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:18 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 11:18 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:18 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:18 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:18 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 11:18 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: EW-2**
**Date Collected: 11/21/18 16:20**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-1**
**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 | | | 12/03/18 11:18 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 11:18 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:18 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:18 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:18 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 11:18 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 11:18 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 11:18 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 11:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* | | *12/03/18 11:18* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *75 - 120* | | *12/03/18 11:18* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 11:18* | *1* |
| *Dibromofluoromethane* | *98* | | *75 - 120* | | *12/03/18 11:18* | *1* |

**Client Sample ID: EW-3**
Date Collected: 11/21/18 13:00
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-2**
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 | | | 12/03/18 11:45 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 11:45 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 11:45 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 11:45 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 11:45 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 11:45 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:45 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 11:45 | 1 |
| Acetone | 3.9 | J | 5.0 | 1.7 | ug/L | | | 12/03/18 11:45 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 11:45 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:45 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 11:45 | 1 |
| cis-1,2-Dichloroethene | 1.6 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:45 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 11:45 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 11:45 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 11:45 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:45 | 1 |
| Trichloroethene | 20 | | 0.50 | 0.16 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 11:45 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 11:45 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 11:45 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 11:45 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 11:45 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 11:45 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 11:45 | 1 |
| Tetrachloroethene | 0.79 | J | 1.0 | 0.37 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:45 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 11:45 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:45 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 11:45 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 11:45 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 11:45 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 11:45 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:45 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 11:45 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:45 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:45 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 11:45 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 11:45 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: EW-3**
Date Collected: 11/21/18 13:00
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-2**
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 | | | 12/03/18 11:45 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 11:45 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:45 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 11:45 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 11:45 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 11:45 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 11:45 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 11:45 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 11:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *75 - 126* | | *12/03/18 11:45* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *75 - 120* | | *12/03/18 11:45* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 11:45* | *1* |
| *Dibromofluoromethane* | *94* | | *75 - 120* | | *12/03/18 11:45* | *1* |

## Client Sample ID: EW-4

Date Collected: 11/21/18 13:05
Date Received: 11/24/18 09:50

## Lab Sample ID: 500-155225-3

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 | | | 12/03/18 12:12 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 12:12 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 12:12 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 12:12 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 12:12 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 12:12 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 12:12 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 12:12 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 12:12 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 12:12 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 12:12 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 12:12 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 12:12 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 12:12 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 12:12 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 12:12 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 12:12 | 1 |
| Trichloroethene | 160 | | 0.50 | 0.16 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 12:12 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 12:12 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 12:12 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 12:12 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 12:12 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 12:12 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 12:12 | 1 |
| Tetrachloroethene | 3.5 | | 1.0 | 0.37 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 12:12 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 12:12 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 12:12 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 12:12 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 12:12 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 12:12 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 12:12 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 12:12 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 12:12 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 12:12 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 12:12 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 12:12 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 12:12 | 1 |

**Client Sample ID: EW-4**
**Date Collected: 11/21/18 13:05**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-3**
**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 | | | 12/03/18 12:12 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 12:12 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 12:12 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 12:12 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 12:12 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 12:12 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 12:12 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 12:12 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 12:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* | | *12/03/18 12:12* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *75 - 120* | | *12/03/18 12:12* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 12:12* | *1* |
| *Dibromofluoromethane* | *96* | | *75 - 120* | | *12/03/18 12:12* | *1* |

**Client Sample ID: EW-5**
Date Collected: 11/21/18 13:20
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-4**
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 | | | 12/03/18 13:06 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 13:06 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 13:06 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 13:06 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 13:06 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 13:06 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:06 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 13:06 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 13:06 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 13:06 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:06 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 13:06 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:06 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 13:06 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:06 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 13:06 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:06 | 1 |
| Trichloroethene | 78 | | 0.50 | 0.16 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:06 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 13:06 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 13:06 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 13:06 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 13:06 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 13:06 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:06 | 1 |
| Tetrachloroethene | 3.3 | | 1.0 | 0.37 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:06 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 13:06 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:06 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 13:06 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 13:06 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 13:06 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 13:06 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:06 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 13:06 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:06 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:06 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:06 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 13:06 | 1 |

**Client Sample ID: EW-5**
Date Collected: 11/21/18 13:20
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-4**
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 | | | 12/03/18 13:06 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:06 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:06 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:06 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:06 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 13:06 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 13:06 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 13:06 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 13:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *75 - 126* | | *12/03/18 13:06* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *75 - 120* | | *12/03/18 13:06* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 13:06* | *1* |
| *Dibromofluoromethane* | *96* | | *75 - 120* | | *12/03/18 13:06* | *1* |

**Client Sample ID: EW-6**
Date Collected: 11/21/18 15:15
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-5**
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 | | | 12/03/18 13:32 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 13:32 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 13:32 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 13:32 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 13:32 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 13:32 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:32 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 13:32 | 1 |
| Acetone | 2.7 | J | 5.0 | 1.7 | ug/L | | | 12/03/18 13:32 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 13:32 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:32 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 13:32 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:32 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 13:32 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:32 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 13:32 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:32 | 1 |
| Trichloroethene | 5.8 | | 0.50 | 0.16 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:32 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 13:32 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 13:32 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 13:32 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 13:32 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 13:32 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:32 | 1 |
| Tetrachloroethene | 10 | | 1.0 | 0.37 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:32 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 13:32 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:32 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 13:32 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 13:32 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 13:32 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 13:32 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:32 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 13:32 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:32 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:32 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:32 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 13:32 | 1 |

**Client Sample ID: EW-6**
Date Collected: 11/21/18 15:15
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-5**
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 | | | 12/03/18 13:32 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:32 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:32 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:32 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:32 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 13:32 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 13:32 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 13:32 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 13:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *75 - 126* | | *12/03/18 13:32* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *75 - 120* | | *12/03/18 13:32* | *1* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *72 - 124* | | *12/03/18 13:32* | *1* |
| *Dibromofluoromethane* | *97* | | *75 - 120* | | *12/03/18 13:32* | *1* |

## Client Sample ID: EW-7

Date Collected: 11/21/18 15:05
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-6
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 | | | 12/03/18 13:59 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 13:59 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 13:59 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 13:59 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 13:59 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 13:59 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:59 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 13:59 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 13:59 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 13:59 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:59 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 13:59 | 1 |
| cis-1,2-Dichloroethene | 1.8 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:59 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 13:59 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:59 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 13:59 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:59 | 1 |
| Trichloroethene | 1.6 | | 0.50 | 0.16 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 13:59 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 13:59 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 13:59 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 13:59 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 13:59 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 13:59 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:59 | 1 |
| Tetrachloroethene | 4.5 | | 1.0 | 0.37 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:59 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 13:59 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:59 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 13:59 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 13:59 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 13:59 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 13:59 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:59 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 13:59 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:59 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:59 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 13:59 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 13:59 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: EW-7**
**Date Collected: 11/21/18 15:05**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-6**
**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 | | | 12/03/18 13:59 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 13:59 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:59 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 13:59 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 13:59 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 13:59 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 13:59 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 13:59 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 13:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *75 - 126* | | *12/03/18 13:59* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *75 - 120* | | *12/03/18 13:59* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 13:59* | *1* |
| *Dibromofluoromethane* | *98* | | *75 - 120* | | *12/03/18 13:59* | *1* |

**Client Sample ID: EW-8**
Date Collected: 11/21/18 15:00
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-7**
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 | | | 12/03/18 14:26 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 14:26 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 14:26 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 14:26 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 14:26 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 14:26 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:26 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 14:26 | 1 |
| Acetone | 2.5 | J | 5.0 | 1.7 | ug/L | | | 12/03/18 14:26 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 14:26 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,1-Dichloroethane | 0.83 | J | 1.0 | 0.41 | ug/L | | | 12/03/18 14:26 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 14:26 | 1 |
| cis-1,2-Dichloroethene | 25 | | 1.0 | 0.41 | ug/L | | | 12/03/18 14:26 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 14:26 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 14:26 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 14:26 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:26 | 1 |
| Trichloroethene | 5.7 | | 0.50 | 0.16 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 14:26 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 14:26 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 14:26 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 14:26 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 14:26 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 14:26 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 14:26 | 1 |
| Tetrachloroethene | 52 | | 1.0 | 0.37 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:26 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 14:26 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:26 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 14:26 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 14:26 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 14:26 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 14:26 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:26 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 14:26 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:26 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 14:26 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 14:26 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 14:26 | 1 |

**Client Sample ID: EW-8**
**Date Collected: 11/21/18 15:00**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-7**
**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 | | | 12/03/18 14:26 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 14:26 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:26 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:26 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:26 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 14:26 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 14:26 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 14:26 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 14:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *75 - 126* | | *12/03/18 14:26* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *75 - 120* | | *12/03/18 14:26* | *1* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *72 - 124* | | *12/03/18 14:26* | *1* |
| *Dibromofluoromethane* | *99* | | *75 - 120* | | *12/03/18 14:26* | *1* |

**Client Sample ID: EW-9**
Date Collected: 11/21/18 14:50
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-8**
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 | | | 12/03/18 14:53 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 14:53 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 14:53 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 14:53 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 14:53 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 14:53 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:53 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 14:53 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 14:53 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 14:53 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 14:53 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 14:53 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 14:53 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 14:53 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 14:53 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 14:53 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:53 | 1 |
| Trichloroethene | 0.30 | J | 0.50 | 0.16 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 14:53 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 14:53 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 14:53 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 14:53 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 14:53 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 14:53 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 14:53 | 1 |
| Tetrachloroethene | 59 | | 1.0 | 0.37 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:53 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 14:53 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:53 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 14:53 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 14:53 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 14:53 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 14:53 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:53 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 14:53 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:53 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 14:53 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 14:53 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 14:53 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: EW-9**
Date Collected: 11/21/18 14:50
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-8**
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 | | | 12/03/18 14:53 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 14:53 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:53 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 14:53 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 14:53 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 14:53 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 14:53 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 14:53 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 14:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *107* | | *75 - 126* | | *12/03/18 14:53* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *75 - 120* | | *12/03/18 14:53* | *1* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *72 - 124* | | *12/03/18 14:53* | *1* |
| *Dibromofluoromethane* | *100* | | *75 - 120* | | *12/03/18 14:53* | *1* |

## Client Sample ID: EW-9 Dup

Date Collected: 11/21/18 14:50
Date Received: 11/24/18 09:50

## Lab Sample ID: 500-155225-9

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 | | | 12/03/18 15:20 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 15:20 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 15:20 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 15:20 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 15:20 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 15:20 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 15:20 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 15:20 | 1 |
| Acetone | 2.8 | J | 5.0 | 1.7 | ug/L | | | 12/03/18 15:20 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 15:20 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 15:20 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 15:20 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 15:20 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 15:20 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 15:20 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 15:20 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 15:20 | 1 |
| Trichloroethene | 0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 15:20 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 15:20 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 15:20 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 15:20 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 15:20 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 15:20 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 15:20 | 1 |
| Tetrachloroethene | 55 | | 1.0 | 0.37 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 15:20 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 15:20 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 15:20 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 15:20 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 15:20 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 15:20 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 15:20 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 15:20 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 15:20 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 15:20 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 15:20 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 15:20 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 15:20 | 1 |

**Client Sample ID: EW-9 Dup**
**Date Collected: 11/21/18 14:50**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-9**
**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 | | | 12/03/18 15:20 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 15:20 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 15:20 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 15:20 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 15:20 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 15:20 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 15:20 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 15:20 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 15:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *75 - 126* | | *12/03/18 15:20* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *75 - 120* | | *12/03/18 15:20* | *1* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *72 - 124* | | *12/03/18 15:20* | *1* |
| *Dibromofluoromethane* | *96* | | *75 - 120* | | *12/03/18 15:20* | *1* |

**Client Sample ID: EW-10**
Date Collected: 11/21/18 14:40
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-10**
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 | | | 12/03/18 16:14 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 16:14 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 16:14 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 16:14 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 16:14 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 16:14 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:14 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 16:14 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 16:14 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 16:14 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:14 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 16:14 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:14 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 16:14 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 16:14 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 16:14 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:14 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 16:14 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 16:14 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 16:14 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 16:14 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 16:14 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 16:14 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 16:14 | 1 |
| Tetrachloroethene | 1.2 | | 1.0 | 0.37 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:14 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 16:14 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:14 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 16:14 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 16:14 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 16:14 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 16:14 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:14 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 16:14 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:14 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:14 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:14 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 16:14 | 1 |

**Client Sample ID: EW-10**
**Date Collected: 11/21/18 14:40**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-10**
**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 | | | 12/03/18 16:14 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 16:14 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:14 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:14 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:14 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 16:14 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 16:14 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 16:14 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 16:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *108* | | *75 - 126* | | *12/03/18 16:14* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *75 - 120* | | *12/03/18 16:14* | *1* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *72 - 124* | | *12/03/18 16:14* | *1* |
| *Dibromofluoromethane* | *102* | | *75 - 120* | | *12/03/18 16:14* | *1* |

**Client Sample ID: RFW-1A**
Date Collected: 11/21/18 09:25
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-11**
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 | | | 12/03/18 16:41 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 16:41 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 16:41 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 16:41 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 16:41 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 16:41 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:41 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 16:41 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 16:41 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 16:41 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:41 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 16:41 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:41 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 16:41 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 16:41 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 16:41 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:41 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 16:41 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 16:41 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 16:41 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 16:41 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 16:41 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 16:41 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 16:41 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:41 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 16:41 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:41 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 16:41 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 16:41 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 16:41 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 16:41 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:41 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 16:41 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:41 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:41 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 16:41 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 16:41 | 1 |

**Client Sample ID: RFW-1A**
Date Collected: 11/21/18 09:25
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-11**
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 | | | 12/03/18 16:41 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 16:41 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:41 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 16:41 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 16:41 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 16:41 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 16:41 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 16:41 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 16:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *75 - 126* | | *12/03/18 16:41* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *75 - 120* | | *12/03/18 16:41* | *1* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *72 - 124* | | *12/03/18 16:41* | *1* |
| *Dibromofluoromethane* | *99* | | *75 - 120* | | *12/03/18 16:41* | *1* |

**Client Sample ID: RFW-1B**
Date Collected: 11/21/18 10:15
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-12**
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 | | | 12/03/18 17:08 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 17:08 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 17:08 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 17:08 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 17:08 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 17:08 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:08 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 17:08 | 1 |
| Acetone | 4.1 | J | 5.0 | 1.7 | ug/L | | | 12/03/18 17:08 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 17:08 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:08 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 17:08 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:08 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 17:08 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 17:08 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 17:08 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:08 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 17:08 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 17:08 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 17:08 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 17:08 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 17:08 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 17:08 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 17:08 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:08 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 17:08 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:08 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 17:08 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 17:08 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 17:08 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 17:08 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:08 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 17:08 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:08 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:08 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:08 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 17:08 | 1 |

**Client Sample ID: RFW-1B**
Date Collected: 11/21/18 10:15
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-12**
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 | | | 12/03/18 17:08 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 17:08 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:08 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:08 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:08 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 17:08 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 17:08 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 17:08 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 17:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *111* | | *75 - 126* | | *12/03/18 17:08* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *75 - 120* | | *12/03/18 17:08* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 17:08* | *1* |
| *Dibromofluoromethane* | *100* | | *75 - 120* | | *12/03/18 17:08* | *1* |

**Client Sample ID: RFW-2A**
Date Collected: 11/21/18 11:00
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-13**
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 | | | 12/03/18 17:35 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 17:35 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 17:35 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 17:35 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 17:35 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 17:35 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:35 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 17:35 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 17:35 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 17:35 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:35 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 17:35 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:35 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 17:35 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 17:35 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 17:35 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:35 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 17:35 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 17:35 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 17:35 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 17:35 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 17:35 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 17:35 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 17:35 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:35 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 17:35 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:35 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 17:35 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 17:35 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 17:35 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 17:35 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:35 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 17:35 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:35 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:35 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 17:35 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 17:35 | 1 |

**Client Sample ID: RFW-2A**
**Date Collected: 11/21/18 11:00**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-13**
**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 | | | 12/03/18 17:35 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 17:35 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:35 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 17:35 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 17:35 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 17:35 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 17:35 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 17:35 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 17:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *107* | | *75 - 126* | | *12/03/18 17:35* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *75 - 120* | | *12/03/18 17:35* | *1* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *72 - 124* | | *12/03/18 17:35* | *1* |
| *Dibromofluoromethane* | *99* | | *75 - 120* | | *12/03/18 17:35* | *1* |

## Client Sample ID: RFW-2B

Date Collected: 11/21/18 11:50
Date Received: 11/24/18 09:50

## Lab Sample ID: 500-155225-14

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 | | | 12/03/18 18:02 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 18:02 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 18:02 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 18:02 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 18:02 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 18:02 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:02 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 18:02 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 18:02 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 18:02 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:02 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 18:02 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:02 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 18:02 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:02 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 18:02 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:02 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:02 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 18:02 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 18:02 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 18:02 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 18:02 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 18:02 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:02 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:02 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 18:02 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:02 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 18:02 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 18:02 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 18:02 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 18:02 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:02 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 18:02 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:02 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:02 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:02 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 18:02 | 1 |

**Client Sample ID: RFW-2B**
**Date Collected: 11/21/18 11:50**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-14**
**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 | | | 12/03/18 18:02 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:02 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:02 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:02 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:02 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 18:02 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 18:02 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 18:02 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 18:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *108* | | *75 - 126* | | *12/03/18 18:02* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *75 - 120* | | *12/03/18 18:02* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *72 - 124* | | *12/03/18 18:02* | *1* |
| *Dibromofluoromethane* | *99* | | *75 - 120* | | *12/03/18 18:02* | *1* |

**Client Sample ID: RFW-3B**
Date Collected: 11/21/18 14:10
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-15**
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 | | | 12/03/18 18:28 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 18:28 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 18:28 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 18:28 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 18:28 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 18:28 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:28 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 18:28 | 1 |
| Acetone | 3.2 | J | 5.0 | 1.7 | ug/L | | | 12/03/18 18:28 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 18:28 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:28 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 18:28 | 1 |
| cis-1,2-Dichloroethene | 0.97 | J | 1.0 | 0.41 | ug/L | | | 12/03/18 18:28 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 18:28 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:28 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 18:28 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:28 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:28 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 18:28 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 18:28 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 18:28 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 18:28 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 18:28 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:28 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:28 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 18:28 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:28 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 18:28 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 18:28 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 18:28 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 18:28 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:28 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 18:28 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:28 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:28 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:28 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 18:28 | 1 |

**Client Sample ID: RFW-3B**
Date Collected: 11/21/18 14:10
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-15**
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 | | | 12/03/18 18:28 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:28 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:28 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:28 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:28 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 18:28 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 18:28 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 18:28 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 18:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *109* | | *75 - 126* | | *12/03/18 18:28* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *75 - 120* | | *12/03/18 18:28* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 18:28* | *1* |
| *Dibromofluoromethane* | *100* | | *75 - 120* | | *12/03/18 18:28* | *1* |

**Client Sample ID: RFW-6**
Date Collected: 11/21/18 16:10
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-16**
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 | | | 12/03/18 18:56 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 18:56 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 18:56 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 18:56 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 18:56 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 18:56 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:56 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 18:56 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 18:56 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 18:56 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:56 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 18:56 | 1 |
| cis-1,2-Dichloroethene | 0.56 | J | 1.0 | 0.41 | ug/L | | | 12/03/18 18:56 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 18:56 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:56 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 18:56 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:56 | 1 |
| Trichloroethene | 0.75 | | 0.50 | 0.16 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 18:56 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 18:56 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 18:56 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 18:56 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 18:56 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 18:56 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:56 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:56 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 18:56 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:56 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 18:56 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 18:56 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 18:56 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 18:56 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:56 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 18:56 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:56 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:56 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 18:56 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/03/18 18:56 | 1 |

Client Sample ID: RFW-6
Date Collected: 11/21/18 16:10
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-16
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 | | | 12/03/18 18:56 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 18:56 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:56 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 18:56 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 18:56 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 18:56 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 18:56 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 18:56 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 18:56 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *111* | | *75 - 126* | | *12/03/18 18:56* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *75 - 120* | | *12/03/18 18:56* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *72 - 124* | | *12/03/18 18:56* | *1* |
| *Dibromofluoromethane* | *101* | | *75 - 120* | | *12/03/18 18:56* | *1* |

**Client Sample ID: RFW-11B**
Date Collected: 11/21/18 17:00
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-17**
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 | | | 12/04/18 13:46 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 13:46 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 13:46 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 13:46 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 13:46 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 13:46 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:46 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 13:46 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 13:46 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 13:46 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:46 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 13:46 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:46 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 13:46 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 13:46 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 13:46 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:46 | 1 |
| Trichloroethene | 0.93 | | 0.50 | 0.16 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 13:46 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 13:46 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 13:46 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 13:46 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 13:46 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 13:46 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 13:46 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:46 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 13:46 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:46 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 13:46 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 13:46 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 13:46 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 13:46 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:46 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 13:46 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:46 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:46 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:46 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 13:46 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: RFW-11B**
**Date Collected: 11/21/18 17:00**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-17**
**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 | | | 12/04/18 13:46 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 13:46 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:46 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:46 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:46 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 13:46 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 13:46 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 13:46 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 13:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *75 - 126* | | *12/04/18 13:46* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *75 - 120* | | *12/04/18 13:46* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *72 - 124* | | *12/04/18 13:46* | *1* |
| *Dibromofluoromethane* | *94* | | *75 - 120* | | *12/04/18 13:46* | *1* |

**Client Sample ID: RFW-17**
Date Collected: 11/21/18 12:50
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-18**
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 | | | 12/04/18 14:13 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 14:13 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 14:13 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 14:13 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 14:13 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 14:13 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:13 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 14:13 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 14:13 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 14:13 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 14:13 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 14:13 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 14:13 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 14:13 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 14:13 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 14:13 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:13 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 14:13 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 14:13 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 14:13 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 14:13 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 14:13 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 14:13 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 14:13 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:13 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 14:13 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:13 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 14:13 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 14:13 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 14:13 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 14:13 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:13 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 14:13 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:13 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 14:13 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 14:13 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 14:13 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: RFW-17**
Date Collected: 11/21/18 12:50
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-18**
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 | | | 12/04/18 14:13 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 14:13 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:13 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:13 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:13 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 14:13 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 14:13 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 14:13 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 14:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *75 - 126* | | *12/04/18 14:13* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *75 - 120* | | *12/04/18 14:13* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *72 - 124* | | *12/04/18 14:13* | *1* |
| *Dibromofluoromethane* | *94* | | *75 - 120* | | *12/04/18 14:13* | *1* |

**Client Sample ID: Trip Blank**
Date Collected: 11/21/18 06:00
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-19**
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 | | | 12/04/18 13:19 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 13:19 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 13:19 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 13:19 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 13:19 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 13:19 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:19 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 13:19 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 13:19 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 13:19 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:19 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 13:19 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:19 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 13:19 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 13:19 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 13:19 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:19 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 13:19 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 13:19 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 13:19 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 13:19 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 13:19 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 13:19 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 13:19 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:19 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 13:19 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:19 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 13:19 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 13:19 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 13:19 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 13:19 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:19 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 13:19 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:19 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:19 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 13:19 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 13:19 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: Trip Blank**
Date Collected: 11/21/18 06:00
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-19**
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 | | | 12/04/18 13:19 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 13:19 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:19 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 13:19 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 13:19 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 13:19 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 13:19 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 13:19 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 13:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* | | *12/04/18 13:19* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *75 - 120* | | *12/04/18 13:19* | *1* |
| *4-Bromofluorobenzene (Surr)* | *105* | | *72 - 124* | | *12/04/18 13:19* | *1* |
| *Dibromofluoromethane* | *96* | | *75 - 120* | | *12/04/18 13:19* | *1* |

**Client Sample ID: RFW-9**
Date Collected: 11/23/18 07:25
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-20**
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 | | | 12/04/18 14:39 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 14:39 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 14:39 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 14:39 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 14:39 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 14:39 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:39 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 14:39 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 14:39 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 14:39 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,1-Dichloroethane | 0.65 | J | 1.0 | 0.41 | ug/L | | | 12/04/18 14:39 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 14:39 | 1 |
| cis-1,2-Dichloroethene | 26 | | 1.0 | 0.41 | ug/L | | | 12/04/18 14:39 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 14:39 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 14:39 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 14:39 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:39 | 1 |
| Trichloroethene | 3.8 | | 0.50 | 0.16 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 14:39 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 14:39 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 14:39 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 14:39 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 14:39 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 14:39 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 14:39 | 1 |
| Tetrachloroethene | 4.6 | | 1.0 | 0.37 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:39 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 14:39 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:39 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 14:39 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 14:39 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 14:39 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 14:39 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:39 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 14:39 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:39 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 14:39 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 14:39 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 14:39 | 1 |

**Client Sample ID: RFW-9**
**Date Collected: 11/23/18 07:25**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-20**
**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 | | | 12/04/18 14:39 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 14:39 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:39 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 14:39 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 14:39 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 14:39 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 14:39 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 14:39 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 14:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* | | *12/04/18 14:39* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *75 - 120* | | *12/04/18 14:39* | *1* |
| *4-Bromofluorobenzene (Surr)* | *106* | | *72 - 124* | | *12/04/18 14:39* | *1* |
| *Dibromofluoromethane* | *95* | | *75 - 120* | | *12/04/18 14:39* | *1* |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: RFW-7**
Date Collected: 11/23/18 08:15
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-21**
Matrix: Water

Method: 8260B - VOC

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.20 | J | 0.50 | 0.15 | ug/L | | | 12/04/18 15:06 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 15:06 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 15:06 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 15:06 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 15:06 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 15:06 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:06 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 15:06 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 15:06 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 15:06 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:06 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 15:06 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:06 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 15:06 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 15:06 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 15:06 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:06 | 1 |
| Trichloroethene | 1.8 | | 0.50 | 0.16 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 15:06 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 15:06 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 15:06 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 15:06 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 15:06 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 15:06 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 15:06 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:06 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 15:06 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:06 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 15:06 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 15:06 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 15:06 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 15:06 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:06 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 15:06 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:06 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:06 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:06 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 15:06 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: RFW-7**
**Date Collected: 11/23/18 08:15**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-21**
**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 | | | 12/04/18 15:06 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 15:06 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:06 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:06 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:06 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 15:06 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 15:06 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 15:06 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 15:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *75 - 126* | | *12/04/18 15:06* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *75 - 120* | | *12/04/18 15:06* | *1* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *72 - 124* | | *12/04/18 15:06* | *1* |
| *Dibromofluoromethane* | *97* | | *75 - 120* | | *12/04/18 15:06* | *1* |

**Client Sample ID: RFW-13**
Date Collected: 11/23/18 10:10
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-22**
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 | | | 12/04/18 15:34 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 15:34 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 15:34 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 15:34 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 15:34 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 15:34 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:34 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 15:34 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 15:34 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 15:34 | 1 |
| trans-1,2-Dichloroethene | 2.4 | | 1.0 | 0.35 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:34 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 15:34 | 1 |
| cis-1,2-Dichloroethene | 2.6 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:34 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 15:34 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 15:34 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 15:34 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:34 | 1 |
| Trichloroethene | 1.9 | | 0.50 | 0.16 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 15:34 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 15:34 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 15:34 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 15:34 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 15:34 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 15:34 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 15:34 | 1 |
| Tetrachloroethene | 8.3 | | 1.0 | 0.37 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:34 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 15:34 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:34 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 15:34 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 15:34 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 15:34 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 15:34 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:34 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 15:34 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:34 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:34 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 15:34 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 15:34 | 1 |

**Client Sample ID: RFW-13**
**Date Collected: 11/23/18 10:10**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-22**
**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 | | | 12/04/18 15:34 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 15:34 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:34 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 15:34 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 15:34 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 15:34 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 15:34 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 15:34 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 15:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *75 - 126* | | *12/04/18 15:34* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *75 - 120* | | *12/04/18 15:34* | *1* |
| *4-Bromofluorobenzene (Surr)* | *105* | | *72 - 124* | | *12/04/18 15:34* | *1* |
| *Dibromofluoromethane* | *95* | | *75 - 120* | | *12/04/18 15:34* | *1* |

**Client Sample ID: RFW-4B**
Date Collected: 11/23/18 11:25
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-23**
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 | | | 12/04/18 16:00 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 16:00 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 16:00 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 16:00 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 16:00 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 16:00 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:00 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 16:00 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 16:00 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 16:00 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 16:00 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 16:00 | 1 |
| cis-1,2-Dichloroethene | 2.9 | | 1.0 | 0.41 | ug/L | | | 12/04/18 16:00 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 16:00 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 16:00 | 1 |
| Chloroform | 1.2 | J | 2.0 | 0.37 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 16:00 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:00 | 1 |
| Trichloroethene | 48 | | 0.50 | 0.16 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 16:00 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 16:00 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 16:00 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 16:00 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 16:00 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 16:00 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 16:00 | 1 |
| Tetrachloroethene | 68 | | 1.0 | 0.37 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:00 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 16:00 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:00 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 16:00 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 16:00 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 16:00 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 16:00 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:00 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 16:00 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:00 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 16:00 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 16:00 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 16:00 | 1 |

**Client Sample ID: RFW-4B**
Date Collected: 11/23/18 11:25
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-23**
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 | | | 12/04/18 16:00 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 16:00 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:00 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:00 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:00 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 16:00 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 16:00 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 16:00 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 16:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *75 - 126* | | *12/04/18 16:00* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *75 - 120* | | *12/04/18 16:00* | *1* |
| *4-Bromofluorobenzene (Surr)* | *106* | | *72 - 124* | | *12/04/18 16:00* | *1* |
| *Dibromofluoromethane* | *97* | | *75 - 120* | | *12/04/18 16:00* | *1* |

## Client Sample ID: RFW-4A

Date Collected: 11/23/18 12:15
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-24
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 | | | 12/04/18 16:54 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 16:54 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 16:54 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 16:54 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 16:54 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 16:54 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:54 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 16:54 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 16:54 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 16:54 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 16:54 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 16:54 | 1 |
| cis-1,2-Dichloroethene | 0.74 | J | 1.0 | 0.41 | ug/L | | | 12/04/18 16:54 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 16:54 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 16:54 | 1 |
| Chloroform | 0.56 | J | 2.0 | 0.37 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 16:54 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:54 | 1 |
| Trichloroethene | 25 | | 0.50 | 0.16 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 16:54 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 16:54 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 16:54 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 16:54 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 16:54 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 16:54 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 16:54 | 1 |
| Tetrachloroethene | 14 | | 1.0 | 0.37 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:54 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 16:54 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:54 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 16:54 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 16:54 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 16:54 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 16:54 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:54 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 16:54 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:54 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 16:54 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 16:54 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 16:54 | 1 |

**Client Sample ID: RFW-4A**
**Date Collected: 11/23/18 12:15**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-24**
**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 | | | 12/04/18 16:54 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 16:54 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:54 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 16:54 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 16:54 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 16:54 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 16:54 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 16:54 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* | | *12/04/18 16:54* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *75 - 120* | | *12/04/18 16:54* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *72 - 124* | | *12/04/18 16:54* | *1* |
| *Dibromofluoromethane* | *95* | | *75 - 120* | | *12/04/18 16:54* | *1* |

**Client Sample ID: RFW-4A Dup**
Date Collected: 11/23/18 12:15
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-25**
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 | | | 12/04/18 17:20 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 17:20 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 17:20 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 17:20 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 17:20 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 17:20 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 17:20 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 17:20 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 17:20 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 17:20 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 17:20 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 17:20 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 17:20 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 17:20 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 17:20 | 1 |
| Chloroform | 0.55 | J | 2.0 | 0.37 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 17:20 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 17:20 | 1 |
| Trichloroethene | 25 | | 0.50 | 0.16 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 17:20 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 17:20 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 17:20 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 17:20 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 17:20 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 17:20 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 17:20 | 1 |
| Tetrachloroethene | 14 | | 1.0 | 0.37 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 17:20 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 17:20 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 17:20 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 17:20 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 17:20 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 17:20 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 17:20 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 17:20 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 17:20 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 17:20 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 17:20 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 17:20 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 17:20 | 1 |

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

TestAmerica Job ID: 500-155225-1

**Client Sample ID: RFW-4A Dup**
Date Collected: 11/23/18 12:15
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-25**
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 | | | 12/04/18 17:20 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 17:20 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 17:20 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 17:20 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 17:20 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 17:20 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 17:20 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 17:20 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 17:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *75 - 126* | | *12/04/18 17:20* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *75 - 120* | | *12/04/18 17:20* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *72 - 124* | | *12/04/18 17:20* | *1* |
| *Dibromofluoromethane* | *95* | | *75 - 120* | | *12/04/18 17:20* | *1* |

**Client Sample ID: RFW-12B**
Date Collected: 11/23/18 13:45
Date Received: 11/24/18 09:50

**Lab Sample ID: 500-155225-26**
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 | | | 12/05/18 11:08 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/05/18 11:08 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/05/18 11:08 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/05/18 11:08 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/05/18 11:08 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/05/18 11:08 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 11:08 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/05/18 11:08 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/05/18 11:08 | 1 |
| Methylene Chloride | 3.2 | J B | 5.0 | 1.6 | ug/L | | | 12/05/18 11:08 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/05/18 11:08 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/05/18 11:08 | 1 |
| cis-1,2-Dichloroethene | 1.9 | | 1.0 | 0.41 | ug/L | | | 12/05/18 11:08 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/05/18 11:08 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/05/18 11:08 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/05/18 11:08 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 11:08 | 1 |
| Trichloroethene | 74 | | 0.50 | 0.16 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/05/18 11:08 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/05/18 11:08 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/05/18 11:08 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/05/18 11:08 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/05/18 11:08 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/05/18 11:08 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/05/18 11:08 | 1 |
| Tetrachloroethene | 5.6 | | 1.0 | 0.37 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 11:08 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/05/18 11:08 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 11:08 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/05/18 11:08 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/05/18 11:08 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/05/18 11:08 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/05/18 11:08 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 11:08 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/05/18 11:08 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 11:08 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/05/18 11:08 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/05/18 11:08 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/05/18 11:08 | 1 |

**Client Sample ID: RFW-12B**
**Date Collected: 11/23/18 13:45**
**Date Received: 11/24/18 09:50**

**Lab Sample ID: 500-155225-26**
**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 | | | 12/05/18 11:08 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/05/18 11:08 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 11:08 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 11:08 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 11:08 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/05/18 11:08 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/05/18 11:08 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/05/18 11:08 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/05/18 11:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* | | *12/05/18 11:08* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *75 - 120* | | *12/05/18 11:08* | *1* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *72 - 124* | | *12/05/18 11:08* | *1* |
| *Dibromofluoromethane* | *94* | | *75 - 120* | | *12/05/18 11:08* | *1* |

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |

## 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: 462685

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-155225-1 | EW-2 | Total/NA | Water | 8260B | |
| 500-155225-2 | EW-3 | Total/NA | Water | 8260B | |
| 500-155225-3 | EW-4 | Total/NA | Water | 8260B | |
| 500-155225-4 | EW-5 | Total/NA | Water | 8260B | |
| 500-155225-5 | EW-6 | Total/NA | Water | 8260B | |
| 500-155225-6 | EW-7 | Total/NA | Water | 8260B | |
| 500-155225-7 | EW-8 | Total/NA | Water | 8260B | |
| 500-155225-8 | EW-9 | Total/NA | Water | 8260B | |
| 500-155225-9 | EW-9 Dup | Total/NA | Water | 8260B | |
| 500-155225-10 | EW-10 | Total/NA | Water | 8260B | |
| 500-155225-11 | RFW-1A | Total/NA | Water | 8260B | |
| 500-155225-12 | RFW-1B | Total/NA | Water | 8260B | |
| 500-155225-13 | RFW-2A | Total/NA | Water | 8260B | |
| 500-155225-14 | RFW-2B | Total/NA | Water | 8260B | |
| 500-155225-15 | RFW-3B | Total/NA | Water | 8260B | |
| 500-155225-16 | RFW-6 | Total/NA | Water | 8260B | |
| MB 500-462685/6 | Method Blank | Total/NA | Water | 8260B | |
| LCS 500-462685/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| 500-155225-16 MS | RFW-6 | Total/NA | Water | 8260B | |
| 500-155225-16 MSD | RFW-6 | Total/NA | Water | 8260B | |

### Analysis Batch: 462938

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-155225-17 | RFW-11B | Total/NA | Water | 8260B | |
| 500-155225-18 | RFW-17 | Total/NA | Water | 8260B | |
| 500-155225-19 | Trip Blank | Total/NA | Water | 8260B | |
| 500-155225-20 | RFW-9 | Total/NA | Water | 8260B | |
| 500-155225-21 | RFW-7 | Total/NA | Water | 8260B | |
| 500-155225-22 | RFW-13 | Total/NA | Water | 8260B | |
| 500-155225-23 | RFW-4B | Total/NA | Water | 8260B | |
| 500-155225-24 | RFW-4A | Total/NA | Water | 8260B | |
| 500-155225-25 | RFW-4A Dup | Total/NA | Water | 8260B | |
| MB 500-462938/6 | Method Blank | Total/NA | Water | 8260B | |
| LCS 500-462938/4 | Lab Control Sample | Total/NA | Water | 8260B | |

### Analysis Batch: 463079

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-155225-26 | RFW-12B | Total/NA | Water | 8260B | |
| MB 500-463079/6 | Method Blank | Total/NA | Water | 8260B | |
| LCS 500-463079/4 | Lab Control Sample | Total/NA | Water | 8260B | |

# Surrogate Summary

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

TestAmerica Job ID: 500-155225-1

## Method: 8260B - VOC

Matrix: Water

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | DCA | TOL | BFB | DBFM |
| Lab Sample ID | Client Sample ID | (75-126) | (75-120) | (72-124) | (75-120) |
| 500-155225-1 | EW-2 | 101 | 92 | 101 | 98 |
| 500-155225-2 | EW-3 | 102 | 94 | 101 | 94 |
| 500-155225-3 | EW-4 | 101 | 93 | 101 | 96 |
| 500-155225-4 | EW-5 | 104 | 93 | 101 | 96 |
| 500-155225-5 | EW-6 | 105 | 93 | 103 | 97 |
| 500-155225-6 | EW-7 | 105 | 92 | 101 | 98 |
| 500-155225-7 | EW-8 | 104 | 92 | 102 | 99 |
| 500-155225-8 | EW-9 | 107 | 91 | 102 | 100 |
| 500-155225-9 | EW-9 Dup | 103 | 92 | 103 | 96 |
| 500-155225-10 | EW-10 | 108 | 90 | 102 | 102 |
| 500-155225-11 | RFW-1A | 104 | 92 | 103 | 99 |
| 500-155225-12 | RFW-1B | 111 | 90 | 101 | 100 |
| 500-155225-13 | RFW-2A | 107 | 91 | 100 | 99 |
| 500-155225-14 | RFW-2B | 108 | 92 | 104 | 99 |
| 500-155225-15 | RFW-3B | 109 | 91 | 101 | 100 |
| 500-155225-16 | RFW-6 | 111 | 90 | 104 | 101 |
| 500-155225-16 MS | RFW-6 | 105 | 91 | 102 | 105 |
| 500-155225-16 MSD | RFW-6 | 106 | 91 | 99 | 106 |
| 500-155225-17 | RFW-11B | 103 | 96 | 104 | 94 |
| 500-155225-18 | RFW-17 | 104 | 96 | 104 | 94 |
| 500-155225-19 | Trip Blank | 101 | 96 | 105 | 96 |
| 500-155225-20 | RFW-9 | 101 | 96 | 106 | 95 |
| 500-155225-21 | RFW-7 | 104 | 94 | 103 | 97 |
| 500-155225-22 | RFW-13 | 103 | 95 | 105 | 95 |
| 500-155225-23 | RFW-4B | 105 | 96 | 106 | 97 |
| 500-155225-24 | RFW-4A | 101 | 95 | 104 | 95 |
| 500-155225-25 | RFW-4A Dup | 103 | 95 | 104 | 95 |
| 500-155225-26 | RFW-12B | 101 | 95 | 102 | 94 |
| LCS 500-462685/4 | Lab Control Sample | 99 | 93 | 96 | 101 |
| LCS 500-462938/4 | Lab Control Sample | 103 | 94 | 102 | 102 |
| LCS 500-463079/4 | Lab Control Sample | 101 | 100 | 100 | 98 |
| MB 500-462685/6 | Method Blank | 101 | 93 | 101 | 98 |
| MB 500-462938/6 | Method Blank | 104 | 94 | 103 | 95 |
| MB 500-463079/6 | Method Blank | 103 | 95 | 104 | 97 |

**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 500-462685/6**
**Matrix: Water**
**Analysis Batch: 462685**

**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 | | | 12/03/18 09:58 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/03/18 09:58 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/03/18 09:58 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/03/18 09:58 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/03/18 09:58 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/03/18 09:58 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 09:58 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/03/18 09:58 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/03/18 09:58 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 09:58 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 09:58 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/03/18 09:58 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 09:58 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/03/18 09:58 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 09:58 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/03/18 09:58 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 09:58 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/03/18 09:58 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/03/18 09:58 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 09:58 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/03/18 09:58 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/03/18 09:58 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/03/18 09:58 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 09:58 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 09:58 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/03/18 09:58 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 09:58 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 09:58 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/03/18 09:58 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/03/18 09:58 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/03/18 09:58 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 09:58 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/03/18 09:58 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 09:58 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 09:58 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/03/18 09:58 | 1 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: MB 500-462685/6**
**Matrix: Water**
**Analysis Batch: 462685**

**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 | | | 12/03/18 09:58 | 1 |
| 1,3,5-Trimethylbenzene | <1.0 | | 1.0 | 0.25 | ug/L | | | 12/03/18 09:58 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/03/18 09:58 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 09:58 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/03/18 09:58 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/03/18 09:58 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 09:58 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/03/18 09:58 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/03/18 09:58 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/03/18 09:58 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* | | *12/03/18 09:58* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *75 - 120* | | *12/03/18 09:58* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *72 - 124* | | *12/03/18 09:58* | *1* |
| *Dibromofluoromethane* | *98* | | *75 - 120* | | *12/03/18 09:58* | *1* |

**Lab Sample ID: LCS 500-462685/4**
**Matrix: Water**
**Analysis Batch: 462685**

**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 | 49.0 | | ug/L | | 98 | 70 - 120 |
| Dichlorodifluoromethane | 50.0 | 37.6 | | ug/L | | 75 | 40 - 159 |
| Chloromethane | 50.0 | 47.5 | | ug/L | | 95 | 56 - 152 |
| Vinyl chloride | 50.0 | 49.2 | | ug/L | | 98 | 64 - 126 |
| Bromomethane | 50.0 | 43.3 | | ug/L | | 87 | 40 - 152 |
| Chloroethane | 50.0 | 50.4 | | ug/L | | 101 | 48 - 136 |
| Trichlorofluoromethane | 50.0 | 52.5 | | ug/L | | 105 | 55 - 128 |
| 1,1-Dichloroethene | 50.0 | 51.1 | | ug/L | | 102 | 67 - 122 |
| Carbon disulfide | 50.0 | 44.8 | | ug/L | | 90 | 66 - 120 |
| Acetone | 50.0 | 43.9 | | ug/L | | 88 | 40 - 143 |
| Methylene Chloride | 50.0 | 49.1 | | ug/L | | 98 | 69 - 125 |
| trans-1,2-Dichloroethene | 50.0 | 50.4 | | ug/L | | 101 | 70 - 125 |
| 1,1-Dichloroethane | 50.0 | 51.5 | | ug/L | | 103 | 70 - 125 |
| 2,2-Dichloropropane | 50.0 | 50.1 | | ug/L | | 100 | 58 - 139 |
| cis-1,2-Dichloroethene | 50.0 | 48.9 | | ug/L | | 98 | 70 - 125 |
| Methyl Ethyl Ketone | 50.0 | 36.7 | | ug/L | | 73 | 46 - 144 |
| Bromochloromethane | 50.0 | 49.6 | | ug/L | | 99 | 65 - 122 |
| Chloroform | 50.0 | 49.1 | | ug/L | | 98 | 70 - 120 |
| 1,1,1-Trichloroethane | 50.0 | 52.6 | | ug/L | | 105 | 70 - 125 |
| 1,1-Dichloropropene | 50.0 | 49.5 | | ug/L | | 99 | 70 - 121 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: LCS 500-462685/4**
**Matrix: Water**
**Analysis Batch: 462685**

**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 | 52.6 | | ug/L | | 105 | 59 - 133 |
| 1,2-Dichloroethane | 50.0 | 50.8 | | ug/L | | 102 | 68 - 127 |
| Trichloroethene | 50.0 | 51.9 | | ug/L | | 104 | 70 - 125 |
| 1,2-Dichloropropane | 50.0 | 51.1 | | ug/L | | 102 | 67 - 130 |
| Dibromomethane | 50.0 | 45.0 | | ug/L | | 90 | 70 - 120 |
| Bromodichloromethane | 50.0 | 45.1 | | ug/L | | 90 | 69 - 120 |
| cis-1,3-Dichloropropene | 50.0 | 43.1 | | ug/L | | 86 | 64 - 127 |
| methyl isobutyl ketone | 50.0 | 39.1 | | ug/L | | 78 | 55 - 139 |
| Toluene | 50.0 | 45.8 | | ug/L | | 92 | 70 - 125 |
| trans-1,3-Dichloropropene | 50.0 | 41.9 | | ug/L | | 84 | 62 - 128 |
| 1,1,2-Trichloroethane | 50.0 | 44.7 | | ug/L | | 89 | 71 - 130 |
| Tetrachloroethene | 50.0 | 53.0 | | ug/L | | 106 | 70 - 128 |
| 1,3-Dichloropropane | 50.0 | 44.4 | | ug/L | | 89 | 62 - 136 |
| 2-Hexanone | 50.0 | 39.0 | | ug/L | | 78 | 54 - 146 |
| Dibromochloromethane | 50.0 | 45.4 | | ug/L | | 91 | 68 - 125 |
| 1,2-Dibromoethane | 50.0 | 48.2 | | ug/L | | 96 | 70 - 125 |
| Chlorobenzene | 50.0 | 48.5 | | ug/L | | 97 | 70 - 120 |
| 1,1,1,2-Tetrachloroethane | 50.0 | 48.7 | | ug/L | | 97 | 70 - 125 |
| Ethylbenzene | 50.0 | 52.5 | | ug/L | | 105 | 70 - 123 |
| m&p-Xylene | 50.0 | 49.7 | | ug/L | | 99 | 70 - 125 |
| o-Xylene | 50.0 | 49.3 | | ug/L | | 99 | 70 - 120 |
| Styrene | 50.0 | 48.9 | | ug/L | | 98 | 70 - 120 |
| Bromoform | 50.0 | 42.6 | | ug/L | | 85 | 56 - 132 |
| Isopropylbenzene | 50.0 | 51.1 | | ug/L | | 102 | 70 - 126 |
| Bromobenzene | 50.0 | 47.3 | | ug/L | | 95 | 70 - 122 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 41.2 | | ug/L | | 82 | 62 - 140 |
| 1,2,3-Trichloropropane | 50.0 | 44.5 | | ug/L | | 89 | 50 - 133 |
| N-Propylbenzene | 50.0 | 47.6 | | ug/L | | 95 | 69 - 127 |
| 2-Chlorotoluene | 50.0 | 48.7 | | ug/L | | 97 | 70 - 125 |
| 1,3,5-Trimethylbenzene | 50.0 | 51.9 | | ug/L | | 104 | 70 - 123 |
| 4-Chlorotoluene | 50.0 | 47.9 | | ug/L | | 96 | 68 - 124 |
| tert-Butylbenzene | 50.0 | 49.9 | | ug/L | | 100 | 70 - 121 |
| 1,2,4-Trimethylbenzene | 50.0 | 51.4 | | ug/L | | 103 | 70 - 123 |
| sec-Butylbenzene | 50.0 | 51.3 | | ug/L | | 103 | 70 - 123 |
| 1,3-Dichlorobenzene | 50.0 | 50.0 | | ug/L | | 100 | 70 - 125 |
| p-Isopropyltoluene | 50.0 | 50.6 | | ug/L | | 101 | 70 - 125 |
| 1,4-Dichlorobenzene | 50.0 | 49.5 | | ug/L | | 99 | 70 - 120 |
| n-Butylbenzene | 50.0 | 48.4 | | ug/L | | 97 | 68 - 125 |
| 1,2-Dichlorobenzene | 50.0 | 50.1 | | ug/L | | 100 | 70 - 125 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 35.8 | | ug/L | | 72 | 56 - 123 |
| 1,2,4-Trichlorobenzene | 50.0 | 50.8 | | ug/L | | 102 | 57 - 137 |
| Hexachlorobutadiene | 50.0 | 55.0 | | ug/L | | 110 | 51 - 150 |
| Naphthalene | 50.0 | 45.3 | | ug/L | | 91 | 53 - 144 |
| 1,2,3-Trichlorobenzene | 50.0 | 49.2 | | ug/L | | 98 | 51 - 145 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *93* | | *75 - 120* |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: LCS 500-462685/4**
**Matrix: Water**
**Analysis Batch: 462685**

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

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *72 - 124* |
| *Dibromofluoromethane* | *101* | | *75 - 120* |

**Lab Sample ID: 500-155225-16 MS**
**Matrix: Water**
**Analysis Batch: 462685**

**Client Sample ID: RFW-6**
**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 | 52.9 | | ug/L | | 106 | 70 - 120 |
| Dichlorodifluoromethane | <2.0 | | 50.0 | 40.6 | | ug/L | | 81 | 40 - 159 |
| Chloromethane | <1.0 | | 50.0 | 51.0 | | ug/L | | 102 | 56 - 152 |
| Vinyl chloride | <1.0 | | 50.0 | 53.3 | | ug/L | | 107 | 64 - 126 |
| Bromomethane | <2.0 | | 50.0 | 47.6 | | ug/L | | 95 | 40 - 152 |
| Chloroethane | <1.0 | | 50.0 | 58.6 | | ug/L | | 117 | 48 - 136 |
| Trichlorofluoromethane | <1.0 | | 50.0 | 57.4 | | ug/L | | 115 | 55 - 128 |
| 1,1-Dichloroethene | <1.0 | | 50.0 | 52.9 | | ug/L | | 106 | 67 - 122 |
| Carbon disulfide | <2.0 | | 50.0 | 46.0 | | ug/L | | 92 | 66 - 120 |
| Acetone | <5.0 | | 50.0 | 52.9 | | ug/L | | 106 | 40 - 143 |
| Methylene Chloride | <5.0 | | 50.0 | 54.5 | | ug/L | | 109 | 69 - 125 |
| trans-1,2-Dichloroethene | <1.0 | | 50.0 | 53.5 | | ug/L | | 107 | 70 - 125 |
| 1,1-Dichloroethane | <1.0 | | 50.0 | 55.5 | | ug/L | | 111 | 70 - 125 |
| 2,2-Dichloropropane | <1.0 | | 50.0 | 51.2 | | ug/L | | 102 | 58 - 139 |
| cis-1,2-Dichloroethene | 0.56 | J | 50.0 | 53.5 | | ug/L | | 106 | 70 - 125 |
| Methyl Ethyl Ketone | <5.0 | | 50.0 | 44.8 | | ug/L | | 90 | 46 - 144 |
| Bromochloromethane | <1.0 | | 50.0 | 55.3 | | ug/L | | 111 | 65 - 122 |
| Chloroform | <2.0 | | 50.0 | 53.9 | | ug/L | | 108 | 70 - 120 |
| 1,1,1-Trichloroethane | <1.0 | | 50.0 | 55.8 | | ug/L | | 112 | 70 - 125 |
| 1,1-Dichloropropene | <1.0 | | 50.0 | 52.3 | | ug/L | | 105 | 70 - 121 |
| Carbon tetrachloride | <1.0 | | 50.0 | 54.9 | | ug/L | | 110 | 59 - 133 |
| 1,2-Dichloroethane | <1.0 | | 50.0 | 58.5 | | ug/L | | 117 | 68 - 127 |
| Trichloroethene | 0.75 | | 50.0 | 55.8 | | ug/L | | 110 | 70 - 125 |
| 1,2-Dichloropropane | <1.0 | | 50.0 | 56.2 | | ug/L | | 112 | 67 - 130 |
| Dibromomethane | <1.0 | | 50.0 | 51.2 | | ug/L | | 102 | 70 - 120 |
| Bromodichloromethane | <1.0 | | 50.0 | 49.2 | | ug/L | | 98 | 69 - 120 |
| cis-1,3-Dichloropropene | <1.0 | | 50.0 | 45.0 | | ug/L | | 90 | 64 - 127 |
| methyl isobutyl ketone | <5.0 | | 50.0 | 40.1 | | ug/L | | 80 | 55 - 139 |
| Toluene | <0.50 | | 50.0 | 47.3 | | ug/L | | 95 | 70 - 125 |
| trans-1,3-Dichloropropene | <1.0 | | 50.0 | 44.8 | | ug/L | | 90 | 62 - 128 |
| 1,1,2-Trichloroethane | <1.0 | | 50.0 | 48.7 | | ug/L | | 97 | 71 - 130 |
| Tetrachloroethene | <1.0 | | 50.0 | 55.6 | | ug/L | | 111 | 70 - 128 |
| 1,3-Dichloropropane | <1.0 | | 50.0 | 48.5 | | ug/L | | 97 | 62 - 136 |
| 2-Hexanone | <5.0 | | 50.0 | 37.8 | | ug/L | | 76 | 54 - 146 |
| Dibromochloromethane | <1.0 | | 50.0 | 47.7 | | ug/L | | 95 | 68 - 125 |
| 1,2-Dibromoethane | <1.0 | | 50.0 | 52.0 | | ug/L | | 104 | 70 - 125 |
| Chlorobenzene | <1.0 | | 50.0 | 51.0 | | ug/L | | 102 | 70 - 120 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 50.0 | 51.8 | | ug/L | | 104 | 70 - 125 |
| Ethylbenzene | <0.50 | | 50.0 | 54.2 | | ug/L | | 108 | 70 - 123 |
| m&p-Xylene | <1.0 | | 50.0 | 51.5 | | ug/L | | 103 | 70 - 125 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: 500-155225-16 MS**
**Matrix: Water**
**Analysis Batch: 462685**

**Client Sample ID: RFW-6**
**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 | 51.4 | | ug/L | | 103 | 70 - 120 |
| Styrene | <1.0 | | 50.0 | 51.7 | | ug/L | | 103 | 70 - 120 |
| Bromoform | <1.0 | | 50.0 | 44.2 | | ug/L | | 88 | 56 - 132 |
| Isopropylbenzene | <1.0 | | 50.0 | 54.4 | | ug/L | | 109 | 70 - 126 |
| Bromobenzene | <1.0 | | 50.0 | 51.7 | | ug/L | | 103 | 70 - 122 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 50.0 | 45.9 | | ug/L | | 92 | 62 - 140 |
| 1,2,3-Trichloropropane | <1.0 | | 50.0 | 50.7 | | ug/L | | 101 | 50 - 133 |
| N-Propylbenzene | <1.0 | | 50.0 | 51.1 | | ug/L | | 102 | 69 - 127 |
| 2-Chlorotoluene | <1.0 | | 50.0 | 52.5 | | ug/L | | 105 | 70 - 125 |
| 1,3,5-Trimethylbenzene | <1.0 | | 50.0 | 55.9 | | ug/L | | 112 | 70 - 123 |
| 4-Chlorotoluene | <1.0 | | 50.0 | 51.3 | | ug/L | | 103 | 68 - 124 |
| tert-Butylbenzene | <1.0 | | 50.0 | 53.3 | | ug/L | | 107 | 70 - 121 |
| 1,2,4-Trimethylbenzene | <1.0 | | 50.0 | 55.5 | | ug/L | | 111 | 70 - 123 |
| sec-Butylbenzene | <1.0 | | 50.0 | 54.6 | | ug/L | | 109 | 70 - 123 |
| 1,3-Dichlorobenzene | <1.0 | | 50.0 | 53.5 | | ug/L | | 107 | 70 - 125 |
| p-Isopropyltoluene | <1.0 | | 50.0 | 53.4 | | ug/L | | 107 | 70 - 125 |
| 1,4-Dichlorobenzene | <1.0 | | 50.0 | 52.7 | | ug/L | | 105 | 70 - 120 |
| n-Butylbenzene | <1.0 | | 50.0 | 49.7 | | ug/L | | 99 | 68 - 125 |
| 1,2-Dichlorobenzene | <1.0 | | 50.0 | 54.6 | | ug/L | | 109 | 70 - 125 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 50.0 | 39.5 | | ug/L | | 79 | 56 - 123 |
| 1,2,4-Trichlorobenzene | <1.0 | | 50.0 | 52.2 | | ug/L | | 104 | 57 - 137 |
| Hexachlorobutadiene | <1.0 | | 50.0 | 56.1 | | ug/L | | 112 | 51 - 150 |
| Naphthalene | <1.0 | | 50.0 | 49.2 | | ug/L | | 98 | 53 - 144 |
| 1,2,3-Trichlorobenzene | <1.0 | | 50.0 | 51.4 | | ug/L | | 103 | 51 - 145 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *91* | | *75 - 120* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *72 - 124* |
| *Dibromofluoromethane* | *105* | | *75 - 120* |

**Lab Sample ID: 500-155225-16 MSD**
**Matrix: Water**
**Analysis Batch: 462685**

**Client Sample ID: RFW-6**
**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 | 53.7 | | ug/L | | 107 | 70 - 120 | 2 | 20 |
| Dichlorodifluoromethane | <2.0 | | 50.0 | 42.0 | | ug/L | | 84 | 40 - 159 | 3 | 20 |
| Chloromethane | <1.0 | | 50.0 | 52.0 | | ug/L | | 104 | 56 - 152 | 2 | 20 |
| Vinyl chloride | <1.0 | | 50.0 | 54.1 | | ug/L | | 108 | 64 - 126 | 2 | 20 |
| Bromomethane | <2.0 | | 50.0 | 45.0 | | ug/L | | 90 | 40 - 152 | 6 | 20 |
| Chloroethane | <1.0 | | 50.0 | 48.7 | | ug/L | | 97 | 48 - 136 | 19 | 20 |
| Trichlorofluoromethane | <1.0 | | 50.0 | 60.0 | | ug/L | | 120 | 55 - 128 | 4 | 20 |
| 1,1-Dichloroethene | <1.0 | | 50.0 | 51.4 | | ug/L | | 103 | 67 - 122 | 3 | 20 |
| Carbon disulfide | <2.0 | | 50.0 | 46.0 | | ug/L | | 92 | 66 - 120 | 0 | 20 |
| Acetone | <5.0 | | 50.0 | 57.2 | | ug/L | | 114 | 40 - 143 | 8 | 20 |
| Methylene Chloride | <5.0 | | 50.0 | 55.6 | | ug/L | | 111 | 69 - 125 | 2 | 20 |
| trans-1,2-Dichloroethene | <1.0 | | 50.0 | 53.3 | | ug/L | | 107 | 70 - 125 | 0 | 20 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: 500-155225-16 MSD**
**Matrix: Water**
**Analysis Batch: 462685**

**Client Sample ID: RFW-6**
**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 | 56.4 | | ug/L | | 113 | 70 - 125 | 2 | 20 |
| 2,2-Dichloropropane | <1.0 | | 50.0 | 53.3 | | ug/L | | 107 | 58 - 139 | 4 | 20 |
| cis-1,2-Dichloroethene | 0.56 | J | 50.0 | 54.6 | | ug/L | | 108 | 70 - 125 | 2 | 20 |
| Methyl Ethyl Ketone | <5.0 | | 50.0 | 48.6 | | ug/L | | 97 | 46 - 144 | 8 | 20 |
| Bromochloromethane | <1.0 | | 50.0 | 56.7 | | ug/L | | 113 | 65 - 122 | 2 | 20 |
| Chloroform | <2.0 | | 50.0 | 54.4 | | ug/L | | 109 | 70 - 120 | 1 | 20 |
| 1,1,1-Trichloroethane | <1.0 | | 50.0 | 56.8 | | ug/L | | 114 | 70 - 125 | 2 | 20 |
| 1,1-Dichloropropene | <1.0 | | 50.0 | 52.5 | | ug/L | | 105 | 70 - 121 | 0 | 20 |
| Carbon tetrachloride | <1.0 | | 50.0 | 55.7 | | ug/L | | 111 | 59 - 133 | 1 | 20 |
| 1,2-Dichloroethane | <1.0 | | 50.0 | 60.7 | | ug/L | | 121 | 68 - 127 | 4 | 20 |
| Trichloroethene | 0.75 | | 50.0 | 55.8 | | ug/L | | 110 | 70 - 125 | 0 | 20 |
| 1,2-Dichloropropane | <1.0 | | 50.0 | 58.1 | | ug/L | | 116 | 67 - 130 | 3 | 20 |
| Dibromomethane | <1.0 | | 50.0 | 52.6 | | ug/L | | 105 | 70 - 120 | 3 | 20 |
| Bromodichloromethane | <1.0 | | 50.0 | 51.7 | | ug/L | | 103 | 69 - 120 | 5 | 20 |
| cis-1,3-Dichloropropene | <1.0 | | 50.0 | 46.0 | | ug/L | | 92 | 64 - 127 | 2 | 20 |
| methyl isobutyl ketone | <5.0 | | 50.0 | 45.0 | | ug/L | | 90 | 55 - 139 | 11 | 20 |
| Toluene | <0.50 | | 50.0 | 47.8 | | ug/L | | 96 | 70 - 125 | 1 | 20 |
| trans-1,3-Dichloropropene | <1.0 | | 50.0 | 47.0 | | ug/L | | 94 | 62 - 128 | 5 | 20 |
| 1,1,2-Trichloroethane | <1.0 | | 50.0 | 52.0 | | ug/L | | 104 | 71 - 130 | 6 | 20 |
| Tetrachloroethene | <1.0 | | 50.0 | 55.8 | | ug/L | | 112 | 70 - 128 | 0 | 20 |
| 1,3-Dichloropropane | <1.0 | | 50.0 | 51.0 | | ug/L | | 102 | 62 - 136 | 5 | 20 |
| 2-Hexanone | <5.0 | | 50.0 | 44.8 | | ug/L | | 90 | 54 - 146 | 17 | 20 |
| Dibromochloromethane | <1.0 | | 50.0 | 50.8 | | ug/L | | 102 | 68 - 125 | 6 | 20 |
| 1,2-Dibromoethane | <1.0 | | 50.0 | 55.9 | | ug/L | | 112 | 70 - 125 | 7 | 20 |
| Chlorobenzene | <1.0 | | 50.0 | 52.5 | | ug/L | | 105 | 70 - 120 | 3 | 20 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 50.0 | 53.8 | | ug/L | | 108 | 70 - 125 | 4 | 20 |
| Ethylbenzene | <0.50 | | 50.0 | 55.6 | | ug/L | | 111 | 70 - 123 | 3 | 20 |
| m&p-Xylene | <1.0 | | 50.0 | 53.0 | | ug/L | | 106 | 70 - 125 | 3 | 20 |
| o-Xylene | <0.50 | | 50.0 | 53.0 | | ug/L | | 106 | 70 - 120 | 3 | 20 |
| Styrene | <1.0 | | 50.0 | 53.4 | | ug/L | | 107 | 70 - 120 | 3 | 20 |
| Bromoform | <1.0 | | 50.0 | 48.4 | | ug/L | | 97 | 56 - 132 | 9 | 20 |
| Isopropylbenzene | <1.0 | | 50.0 | 52.5 | | ug/L | | 105 | 70 - 126 | 4 | 20 |
| Bromobenzene | <1.0 | | 50.0 | 50.8 | | ug/L | | 102 | 70 - 122 | 2 | 20 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 50.0 | 48.0 | | ug/L | | 96 | 62 - 140 | 5 | 20 |
| 1,2,3-Trichloropropane | <1.0 | | 50.0 | 52.5 | | ug/L | | 105 | 50 - 133 | 4 | 20 |
| N-Propylbenzene | <1.0 | | 50.0 | 49.1 | | ug/L | | 98 | 69 - 127 | 4 | 20 |
| 2-Chlorotoluene | <1.0 | | 50.0 | 51.2 | | ug/L | | 102 | 70 - 125 | 2 | 20 |
| 1,3,5-Trimethylbenzene | <1.0 | | 50.0 | 54.1 | | ug/L | | 108 | 70 - 123 | 3 | 20 |
| 4-Chlorotoluene | <1.0 | | 50.0 | 50.0 | | ug/L | | 100 | 68 - 124 | 2 | 20 |
| tert-Butylbenzene | <1.0 | | 50.0 | 51.8 | | ug/L | | 104 | 70 - 121 | 3 | 20 |
| 1,2,4-Trimethylbenzene | <1.0 | | 50.0 | 54.1 | | ug/L | | 108 | 70 - 123 | 2 | 20 |
| sec-Butylbenzene | <1.0 | | 50.0 | 53.1 | | ug/L | | 106 | 70 - 123 | 3 | 20 |
| 1,3-Dichlorobenzene | <1.0 | | 50.0 | 53.1 | | ug/L | | 106 | 70 - 125 | 1 | 20 |
| p-Isopropyltoluene | <1.0 | | 50.0 | 52.0 | | ug/L | | 104 | 70 - 125 | 3 | 20 |
| 1,4-Dichlorobenzene | <1.0 | | 50.0 | 52.7 | | ug/L | | 105 | 70 - 120 | 0 | 20 |
| n-Butylbenzene | <1.0 | | 50.0 | 49.2 | | ug/L | | 98 | 68 - 125 | 1 | 20 |
| 1,2-Dichlorobenzene | <1.0 | | 50.0 | 54.4 | | ug/L | | 109 | 70 - 125 | 0 | 20 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 50.0 | 41.1 | | ug/L | | 82 | 56 - 123 | 4 | 20 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: 500-155225-16 MSD**
**Matrix: Water**
**Analysis Batch: 462685**

**Client Sample ID: RFW-6**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | <1.0 | | 50.0 | 54.1 | | ug/L | | 108 | 57 - 137 | 4 | 20 |
| Hexachlorobutadiene | <1.0 | | 50.0 | 56.3 | | ug/L | | 113 | 51 - 150 | 0 | 20 |
| Naphthalene | <1.0 | | 50.0 | 52.9 | | ug/L | | 106 | 53 - 144 | 7 | 20 |
| 1,2,3-Trichlorobenzene | <1.0 | | 50.0 | 55.5 | | ug/L | | 111 | 51 - 145 | 8 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *106* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *91* | | *75 - 120* |
| *4-Bromofluorobenzene (Surr)* | *99* | | *72 - 124* |
| *Dibromofluoromethane* | *106* | | *75 - 120* |

**Lab Sample ID: MB 500-462938/6**
**Matrix: Water**
**Analysis Batch: 462938**

**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 | | | 12/04/18 12:52 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/04/18 12:52 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/04/18 12:52 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/04/18 12:52 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/04/18 12:52 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/04/18 12:52 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 12:52 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/04/18 12:52 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/04/18 12:52 | 1 |
| Methylene Chloride | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 12:52 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 12:52 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/04/18 12:52 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 12:52 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/04/18 12:52 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 12:52 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/04/18 12:52 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 12:52 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/04/18 12:52 | 1 |
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/04/18 12:52 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 12:52 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/04/18 12:52 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/04/18 12:52 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/04/18 12:52 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 12:52 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/04/18 12:52 | 1 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: MB 500-462938/6**
**Matrix: Water**
**Analysis Batch: 462938**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 12:52 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/04/18 12:52 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 12:52 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 12:52 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/04/18 12:52 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/04/18 12:52 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/04/18 12:52 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 12:52 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/04/18 12:52 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 12:52 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 12:52 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/04/18 12:52 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,3,5-Trimethylbenzene | <1.0 | | 1.0 | 0.25 | ug/L | | | 12/04/18 12:52 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/04/18 12:52 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 12:52 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/04/18 12:52 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/04/18 12:52 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 12:52 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/04/18 12:52 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/04/18 12:52 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/04/18 12:52 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *75 - 126* | | *12/04/18 12:52* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *75 - 120* | | *12/04/18 12:52* | *1* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *72 - 124* | | *12/04/18 12:52* | *1* |
| *Dibromofluoromethane* | *95* | | *75 - 120* | | *12/04/18 12:52* | *1* |

**Lab Sample ID: LCS 500-462938/4**
**Matrix: Water**
**Analysis Batch: 462938**

**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 | 43.9 | | ug/L | | 88 | 70 - 120 |
| Dichlorodifluoromethane | 50.0 | 37.4 | | ug/L | | 75 | 40 - 159 |
| Chloromethane | 50.0 | 50.6 | | ug/L | | 101 | 56 - 152 |
| Vinyl chloride | 50.0 | 48.6 | | ug/L | | 97 | 64 - 126 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: LCS 500-462938/4**
**Matrix: Water**
**Analysis Batch: 462938**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Bromomethane | 50.0 | 37.8 | | ug/L | | 76 | 40 - 152 |
| Chloroethane | 50.0 | 51.1 | | ug/L | | 102 | 48 - 136 |
| Trichlorofluoromethane | 50.0 | 49.1 | | ug/L | | 98 | 55 - 128 |
| 1,1-Dichloroethene | 50.0 | 43.7 | | ug/L | | 87 | 67 - 122 |
| Carbon disulfide | 50.0 | 39.4 | | ug/L | | 79 | 66 - 120 |
| Acetone | 50.0 | 42.6 | | ug/L | | 85 | 40 - 143 |
| Methylene Chloride | 50.0 | 44.2 | | ug/L | | 88 | 69 - 125 |
| trans-1,2-Dichloroethene | 50.0 | 44.1 | | ug/L | | 88 | 70 - 125 |
| 1,1-Dichloroethane | 50.0 | 47.3 | | ug/L | | 95 | 70 - 125 |
| 2,2-Dichloropropane | 50.0 | 42.5 | | ug/L | | 85 | 58 - 139 |
| cis-1,2-Dichloroethene | 50.0 | 43.0 | | ug/L | | 86 | 70 - 125 |
| Methyl Ethyl Ketone | 50.0 | 44.3 | | ug/L | | 89 | 46 - 144 |
| Bromochloromethane | 50.0 | 43.3 | | ug/L | | 87 | 65 - 122 |
| Chloroform | 50.0 | 42.8 | | ug/L | | 86 | 70 - 120 |
| 1,1,1-Trichloroethane | 50.0 | 45.7 | | ug/L | | 91 | 70 - 125 |
| 1,1-Dichloropropene | 50.0 | 44.7 | | ug/L | | 89 | 70 - 121 |
| Carbon tetrachloride | 50.0 | 45.1 | | ug/L | | 90 | 59 - 133 |
| 1,2-Dichloroethane | 50.0 | 47.1 | | ug/L | | 94 | 68 - 127 |
| Trichloroethene | 50.0 | 44.8 | | ug/L | | 90 | 70 - 125 |
| 1,2-Dichloropropane | 50.0 | 47.8 | | ug/L | | 96 | 67 - 130 |
| Dibromomethane | 50.0 | 39.3 | | ug/L | | 79 | 70 - 120 |
| Bromodichloromethane | 50.0 | 39.5 | | ug/L | | 79 | 69 - 120 |
| cis-1,3-Dichloropropene | 50.0 | 39.1 | | ug/L | | 78 | 64 - 127 |
| methyl isobutyl ketone | 50.0 | 41.8 | | ug/L | | 84 | 55 - 139 |
| Toluene | 50.0 | 41.0 | | ug/L | | 82 | 70 - 125 |
| trans-1,3-Dichloropropene | 50.0 | 38.0 | | ug/L | | 76 | 62 - 128 |
| 1,1,2-Trichloroethane | 50.0 | 40.5 | | ug/L | | 81 | 71 - 130 |
| Tetrachloroethene | 50.0 | 45.9 | | ug/L | | 92 | 70 - 128 |
| 1,3-Dichloropropane | 50.0 | 40.3 | | ug/L | | 81 | 62 - 136 |
| 2-Hexanone | 50.0 | 42.5 | | ug/L | | 85 | 54 - 146 |
| Dibromochloromethane | 50.0 | 38.8 | | ug/L | | 78 | 68 - 125 |
| 1,2-Dibromoethane | 50.0 | 42.4 | | ug/L | | 85 | 70 - 125 |
| Chlorobenzene | 50.0 | 43.0 | | ug/L | | 86 | 70 - 120 |
| 1,1,1,2-Tetrachloroethane | 50.0 | 43.2 | | ug/L | | 86 | 70 - 125 |
| Ethylbenzene | 50.0 | 45.8 | | ug/L | | 92 | 70 - 123 |
| m&p-Xylene | 50.0 | 44.4 | | ug/L | | 89 | 70 - 125 |
| o-Xylene | 50.0 | 44.0 | | ug/L | | 88 | 70 - 120 |
| Styrene | 50.0 | 43.8 | | ug/L | | 88 | 70 - 120 |
| Bromoform | 50.0 | 35.5 | | ug/L | | 71 | 56 - 132 |
| Isopropylbenzene | 50.0 | 47.0 | | ug/L | | 94 | 70 - 126 |
| Bromobenzene | 50.0 | 43.0 | | ug/L | | 86 | 70 - 122 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 38.5 | | ug/L | | 77 | 62 - 140 |
| 1,2,3-Trichloropropane | 50.0 | 41.4 | | ug/L | | 83 | 50 - 133 |
| N-Propylbenzene | 50.0 | 44.3 | | ug/L | | 89 | 69 - 127 |
| 2-Chlorotoluene | 50.0 | 44.8 | | ug/L | | 90 | 70 - 125 |
| 1,3,5-Trimethylbenzene | 50.0 | 47.8 | | ug/L | | 96 | 70 - 123 |
| 4-Chlorotoluene | 50.0 | 43.9 | | ug/L | | 88 | 68 - 124 |
| tert-Butylbenzene | 50.0 | 45.5 | | ug/L | | 91 | 70 - 121 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: LCS 500-462938/4**
**Matrix: Water**
**Analysis Batch: 462938**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trimethylbenzene | 50.0 | 47.4 | | ug/L | | 95 | 70 - 123 |
| sec-Butylbenzene | 50.0 | 47.1 | | ug/L | | 94 | 70 - 123 |
| 1,3-Dichlorobenzene | 50.0 | 44.9 | | ug/L | | 90 | 70 - 125 |
| p-Isopropyltoluene | 50.0 | 46.0 | | ug/L | | 92 | 70 - 125 |
| 1,4-Dichlorobenzene | 50.0 | 44.3 | | ug/L | | 89 | 70 - 120 |
| n-Butylbenzene | 50.0 | 44.3 | | ug/L | | 89 | 68 - 125 |
| 1,2-Dichlorobenzene | 50.0 | 45.1 | | ug/L | | 90 | 70 - 125 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 32.3 | | ug/L | | 65 | 56 - 123 |
| 1,2,4-Trichlorobenzene | 50.0 | 46.0 | | ug/L | | 92 | 57 - 137 |
| Hexachlorobutadiene | 50.0 | 48.4 | | ug/L | | 97 | 51 - 150 |
| Naphthalene | 50.0 | 41.6 | | ug/L | | 83 | 53 - 144 |
| 1,2,3-Trichlorobenzene | 50.0 | 44.4 | | ug/L | | 89 | 51 - 145 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *94* | | *75 - 120* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *72 - 124* |
| *Dibromofluoromethane* | *102* | | *75 - 120* |

**Lab Sample ID: MB 500-463079/6**
**Matrix: Water**
**Analysis Batch: 463079**

**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 | | | 12/05/18 10:41 | 1 |
| Dichlorodifluoromethane | <2.0 | | 2.0 | 0.67 | ug/L | | | 12/05/18 10:41 | 1 |
| Chloromethane | <1.0 | | 1.0 | 0.32 | ug/L | | | 12/05/18 10:41 | 1 |
| Vinyl chloride | <1.0 | | 1.0 | 0.20 | ug/L | | | 12/05/18 10:41 | 1 |
| Bromomethane | <2.0 | | 2.0 | 0.80 | ug/L | | | 12/05/18 10:41 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.51 | ug/L | | | 12/05/18 10:41 | 1 |
| Trichlorofluoromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,1-Dichloroethene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 10:41 | 1 |
| Carbon disulfide | <2.0 | | 2.0 | 0.45 | ug/L | | | 12/05/18 10:41 | 1 |
| Acetone | <5.0 | | 5.0 | 1.7 | ug/L | | | 12/05/18 10:41 | 1 |
| Methylene Chloride | 2.30 | J | 5.0 | 1.6 | ug/L | | | 12/05/18 10:41 | 1 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,1-Dichloroethane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/05/18 10:41 | 1 |
| 2,2-Dichloropropane | <1.0 | | 1.0 | 0.44 | ug/L | | | 12/05/18 10:41 | 1 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/05/18 10:41 | 1 |
| Methyl Ethyl Ketone | <5.0 | | 5.0 | 2.1 | ug/L | | | 12/05/18 10:41 | 1 |
| Bromochloromethane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/05/18 10:41 | 1 |
| Chloroform | <2.0 | | 2.0 | 0.37 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,1,1-Trichloroethane | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,1-Dichloropropene | <1.0 | | 1.0 | 0.30 | ug/L | | | 12/05/18 10:41 | 1 |
| Carbon tetrachloride | <1.0 | | 1.0 | 0.38 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2-Dichloroethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 10:41 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.16 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2-Dichloropropane | <1.0 | | 1.0 | 0.43 | ug/L | | | 12/05/18 10:41 | 1 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: MB 500-463079/6**
**Matrix: Water**
**Analysis Batch: 463079**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromomethane | <1.0 | | 1.0 | 0.27 | ug/L | | | 12/05/18 10:41 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/05/18 10:41 | 1 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 | 0.42 | ug/L | | | 12/05/18 10:41 | 1 |
| methyl isobutyl ketone | <5.0 | | 5.0 | 2.2 | ug/L | | | 12/05/18 10:41 | 1 |
| Toluene | <0.50 | | 0.50 | 0.15 | ug/L | | | 12/05/18 10:41 | 1 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,1,2-Trichloroethane | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/05/18 10:41 | 1 |
| Tetrachloroethene | <1.0 | | 1.0 | 0.37 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,3-Dichloropropane | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 10:41 | 1 |
| 2-Hexanone | <5.0 | | 5.0 | 1.6 | ug/L | | | 12/05/18 10:41 | 1 |
| Dibromochloromethane | <1.0 | | 1.0 | 0.49 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2-Dibromoethane | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 10:41 | 1 |
| Chlorobenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,1,1,2-Tetrachloroethane | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/05/18 10:41 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.18 | ug/L | | | 12/05/18 10:41 | 1 |
| m&p-Xylene | <1.0 | | 1.0 | 0.18 | ug/L | | | 12/05/18 10:41 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.22 | ug/L | | | 12/05/18 10:41 | 1 |
| Styrene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 10:41 | 1 |
| Bromoform | <1.0 | | 1.0 | 0.48 | ug/L | | | 12/05/18 10:41 | 1 |
| Isopropylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 10:41 | 1 |
| Bromobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,1,2,2-Tetrachloroethane | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2,3-Trichloropropane | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/05/18 10:41 | 1 |
| N-Propylbenzene | <1.0 | | 1.0 | 0.41 | ug/L | | | 12/05/18 10:41 | 1 |
| 2-Chlorotoluene | <1.0 | | 1.0 | 0.31 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,3,5-Trimethylbenzene | <1.0 | | 1.0 | 0.25 | ug/L | | | 12/05/18 10:41 | 1 |
| 4-Chlorotoluene | <1.0 | | 1.0 | 0.35 | ug/L | | | 12/05/18 10:41 | 1 |
| tert-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2,4-Trimethylbenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 10:41 | 1 |
| sec-Butylbenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,3-Dichlorobenzene | <1.0 | | 1.0 | 0.40 | ug/L | | | 12/05/18 10:41 | 1 |
| p-Isopropyltoluene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,4-Dichlorobenzene | <1.0 | | 1.0 | 0.36 | ug/L | | | 12/05/18 10:41 | 1 |
| n-Butylbenzene | <1.0 | | 1.0 | 0.39 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 | 0.33 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2-Dibromo-3-Chloropropane | <5.0 | | 5.0 | 2.0 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2,4-Trichlorobenzene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/05/18 10:41 | 1 |
| Hexachlorobutadiene | <1.0 | | 1.0 | 0.45 | ug/L | | | 12/05/18 10:41 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.34 | ug/L | | | 12/05/18 10:41 | 1 |
| 1,2,3-Trichlorobenzene | <1.0 | | 1.0 | 0.46 | ug/L | | | 12/05/18 10:41 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *75 - 126* | | *12/05/18 10:41* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *75 - 120* | | *12/05/18 10:41* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *72 - 124* | | *12/05/18 10:41* | *1* |
| *Dibromofluoromethane* | *97* | | *75 - 120* | | *12/05/18 10:41* | *1* |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: LCS 500-463079/4**
**Matrix: Water**
**Analysis Batch: 463079**

**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 | 32.8 | | ug/L | | 66 | 40 - 159 |
| Chloromethane | 50.0 | 46.0 | | ug/L | | 92 | 56 - 152 |
| Vinyl chloride | 50.0 | 44.5 | | ug/L | | 89 | 64 - 126 |
| Bromomethane | 50.0 | 34.6 | | ug/L | | 69 | 40 - 152 |
| Chloroethane | 50.0 | 44.6 | | ug/L | | 89 | 48 - 136 |
| Trichlorofluoromethane | 50.0 | 44.3 | | ug/L | | 89 | 55 - 128 |
| 1,1-Dichloroethene | 50.0 | 48.5 | | ug/L | | 97 | 67 - 122 |
| Carbon disulfide | 50.0 | 43.7 | | ug/L | | 87 | 66 - 120 |
| Acetone | 50.0 | 66.7 | | ug/L | | 133 | 40 - 143 |
| Methylene Chloride | 50.0 | 50.4 | | ug/L | | 101 | 69 - 125 |
| trans-1,2-Dichloroethene | 50.0 | 48.4 | | ug/L | | 97 | 70 - 125 |
| 1,1-Dichloroethane | 50.0 | 53.0 | | ug/L | | 106 | 70 - 125 |
| 2,2-Dichloropropane | 50.0 | 48.3 | | ug/L | | 97 | 58 - 139 |
| cis-1,2-Dichloroethene | 50.0 | 47.2 | | ug/L | | 94 | 70 - 125 |
| Methyl Ethyl Ketone | 50.0 | 54.9 | | ug/L | | 110 | 46 - 144 |
| Bromochloromethane | 50.0 | 47.4 | | ug/L | | 95 | 65 - 122 |
| Chloroform | 50.0 | 47.8 | | ug/L | | 96 | 70 - 120 |
| 1,1,1-Trichloroethane | 50.0 | 50.6 | | ug/L | | 101 | 70 - 125 |
| 1,1-Dichloropropene | 50.0 | 49.9 | | ug/L | | 100 | 70 - 121 |
| Carbon tetrachloride | 50.0 | 50.4 | | ug/L | | 101 | 59 - 133 |
| 1,2-Dichloroethane | 50.0 | 52.3 | | ug/L | | 105 | 68 - 127 |
| Trichloroethene | 50.0 | 50.4 | | ug/L | | 101 | 70 - 125 |
| 1,2-Dichloropropane | 50.0 | 53.3 | | ug/L | | 107 | 67 - 130 |
| Dibromomethane | 50.0 | 45.0 | | ug/L | | 90 | 70 - 120 |
| Bromodichloromethane | 50.0 | 45.1 | | ug/L | | 90 | 69 - 120 |
| cis-1,3-Dichloropropene | 50.0 | 46.5 | | ug/L | | 93 | 64 - 127 |
| methyl isobutyl ketone | 50.0 | 57.5 | | ug/L | | 115 | 55 - 139 |
| Toluene | 50.0 | 48.7 | | ug/L | | 97 | 70 - 125 |
| trans-1,3-Dichloropropene | 50.0 | 44.5 | | ug/L | | 89 | 62 - 128 |
| 1,1,2-Trichloroethane | 50.0 | 46.9 | | ug/L | | 94 | 71 - 130 |
| Tetrachloroethene | 50.0 | 54.9 | | ug/L | | 110 | 70 - 128 |
| 1,3-Dichloropropane | 50.0 | 47.1 | | ug/L | | 94 | 62 - 136 |
| 2-Hexanone | 50.0 | 56.5 | | ug/L | | 113 | 54 - 146 |
| Dibromochloromethane | 50.0 | 46.5 | | ug/L | | 93 | 68 - 125 |
| 1,2-Dibromoethane | 50.0 | 49.4 | | ug/L | | 99 | 70 - 125 |
| Chlorobenzene | 50.0 | 49.7 | | ug/L | | 99 | 70 - 120 |
| 1,1,1,2-Tetrachloroethane | 50.0 | 51.4 | | ug/L | | 103 | 70 - 125 |
| Ethylbenzene | 50.0 | 53.2 | | ug/L | | 106 | 70 - 123 |
| m&p-Xylene | 50.0 | 51.8 | | ug/L | | 104 | 70 - 125 |
| o-Xylene | 50.0 | 51.7 | | ug/L | | 103 | 70 - 120 |
| Styrene | 50.0 | 50.1 | | ug/L | | 100 | 70 - 120 |
| Bromoform | 50.0 | 42.9 | | ug/L | | 86 | 56 - 132 |
| Isopropylbenzene | 50.0 | 54.3 | | ug/L | | 109 | 70 - 126 |
| Bromobenzene | 50.0 | 48.2 | | ug/L | | 96 | 70 - 122 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 44.2 | | ug/L | | 88 | 62 - 140 |
| 1,2,3-Trichloropropane | 50.0 | 45.7 | | ug/L | | 91 | 50 - 133 |
| N-Propylbenzene | 50.0 | 50.6 | | ug/L | | 101 | 69 - 127 |

## Method: 8260B - VOC (Continued)

**Lab Sample ID: LCS 500-463079/4**
**Matrix: Water**
**Analysis Batch: 463079**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2-Chlorotoluene | 50.0 | 51.3 | | ug/L | | 103 | 70 - 125 |
| 1,3,5-Trimethylbenzene | 50.0 | 55.4 | | ug/L | | 111 | 70 - 123 |
| 4-Chlorotoluene | 50.0 | 49.9 | | ug/L | | 100 | 68 - 124 |
| tert-Butylbenzene | 50.0 | 54.0 | | ug/L | | 108 | 70 - 121 |
| 1,2,4-Trimethylbenzene | 50.0 | 54.7 | | ug/L | | 109 | 70 - 123 |
| sec-Butylbenzene | 50.0 | 55.0 | | ug/L | | 110 | 70 - 123 |
| 1,3-Dichlorobenzene | 50.0 | 52.2 | | ug/L | | 104 | 70 - 125 |
| p-Isopropyltoluene | 50.0 | 53.7 | | ug/L | | 107 | 70 - 125 |
| 1,4-Dichlorobenzene | 50.0 | 51.6 | | ug/L | | 103 | 70 - 120 |
| n-Butylbenzene | 50.0 | 51.7 | | ug/L | | 103 | 68 - 125 |
| 1,2-Dichlorobenzene | 50.0 | 52.3 | | ug/L | | 105 | 70 - 125 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 37.8 | | ug/L | | 76 | 56 - 123 |
| 1,2,4-Trichlorobenzene | 50.0 | 52.7 | | ug/L | | 105 | 57 - 137 |
| Hexachlorobutadiene | 50.0 | 57.1 | | ug/L | | 114 | 51 - 150 |
| Naphthalene | 50.0 | 46.9 | | ug/L | | 94 | 53 - 144 |
| 1,2,3-Trichlorobenzene | 50.0 | 50.6 | | ug/L | | 101 | 51 - 145 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *100* | | *75 - 120* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *72 - 124* |
| *Dibromofluoromethane* | *98* | | *75 - 120* |

## Client Sample ID: EW-2
Date Collected: 11/21/18 16:20
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 11:18 | JLC | TAL CHI |

## Client Sample ID: EW-3
Date Collected: 11/21/18 13:00
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-2
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 11:45 | JLC | TAL CHI |

## Client Sample ID: EW-4
Date Collected: 11/21/18 13:05
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 12:12 | JLC | TAL CHI |

## Client Sample ID: EW-5
Date Collected: 11/21/18 13:20
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 13:06 | JLC | TAL CHI |

## Client Sample ID: EW-6
Date Collected: 11/21/18 15:15
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 13:32 | JLC | TAL CHI |

## Client Sample ID: EW-7
Date Collected: 11/21/18 15:05
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-6
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 13:59 | JLC | TAL CHI |

## Client Sample ID: EW-8
Lab Sample ID: 500-155225-7
Date Collected: 11/21/18 15:00
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 14:26 | JLC | TAL CHI |

## Client Sample ID: EW-9
Lab Sample ID: 500-155225-8
Date Collected: 11/21/18 14:50
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 14:53 | JLC | TAL CHI |

## Client Sample ID: EW-9 Dup
Lab Sample ID: 500-155225-9
Date Collected: 11/21/18 14:50
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 15:20 | JLC | TAL CHI |

## Client Sample ID: EW-10
Lab Sample ID: 500-155225-10
Date Collected: 11/21/18 14:40
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 16:14 | JLC | TAL CHI |

## Client Sample ID: RFW-1A
Lab Sample ID: 500-155225-11
Date Collected: 11/21/18 09:25
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 16:41 | JLC | TAL CHI |

## Client Sample ID: RFW-1B
Lab Sample ID: 500-155225-12
Date Collected: 11/21/18 10:15
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 17:08 | JLC | TAL CHI |

## Client Sample ID: RFW-2A
Date Collected: 11/21/18 11:00
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-13
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 17:35 | JLC | TAL CHI |

## Client Sample ID: RFW-2B
Date Collected: 11/21/18 11:50
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-14
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 18:02 | JLC | TAL CHI |

## Client Sample ID: RFW-3B
Date Collected: 11/21/18 14:10
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-15
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 18:28 | JLC | TAL CHI |

## Client Sample ID: RFW-6
Date Collected: 11/21/18 16:10
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-16
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462685 | 12/03/18 18:56 | JLC | TAL CHI |

## Client Sample ID: RFW-11B
Date Collected: 11/21/18 17:00
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-17
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 13:46 | JLC | TAL CHI |

## Client Sample ID: RFW-17
Date Collected: 11/21/18 12:50
Date Received: 11/24/18 09:50

Lab Sample ID: 500-155225-18
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 14:13 | JLC | TAL CHI |

## Client Sample ID: Trip Blank
Lab Sample ID: 500-155225-19
Date Collected: 11/21/18 06:00
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 13:19 | JLC | TAL CHI |

## Client Sample ID: RFW-9
Lab Sample ID: 500-155225-20
Date Collected: 11/23/18 07:25
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 14:39 | JLC | TAL CHI |

## Client Sample ID: RFW-7
Lab Sample ID: 500-155225-21
Date Collected: 11/23/18 08:15
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 15:06 | JLC | TAL CHI |

## Client Sample ID: RFW-13
Lab Sample ID: 500-155225-22
Date Collected: 11/23/18 10:10
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 15:34 | JLC | TAL CHI |

## Client Sample ID: RFW-4B
Lab Sample ID: 500-155225-23
Date Collected: 11/23/18 11:25
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 16:00 | JLC | TAL CHI |

## Client Sample ID: RFW-4A
Lab Sample ID: 500-155225-24
Date Collected: 11/23/18 12:15
Matrix: Water
Date Received: 11/24/18 09:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 16:54 | JLC | TAL CHI |

## Client Sample ID: RFW-4A Dup

Lab Sample ID: 500-155225-25

Date Collected: 11/23/18 12:15
Date Received: 11/24/18 09:50

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 462938 | 12/04/18 17:20 | JLC | TAL CHI |

## Client Sample ID: RFW-12B

Lab Sample ID: 500-155225-26

Date Collected: 11/23/18 13:45
Date Received: 11/24/18 09:50

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260B | | 1 | 463079 | 12/05/18 11:08 | JLC | TAL CHI |

**Laboratory References:**

TAL CHI = 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

TestAmerica Job ID: 500-155225-1

## Laboratory: TestAmerica Chicago

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| California | State Program | 9 | 2903 | 04-30-19 |
| Georgia | State Program | 4 | N/A | 04-30-19 |
| Georgia | State Program | 4 | 939 | 04-30-19 |
| Hawaii | State Program | 9 | N/A | 04-30-19 |
| Illinois | NELAP | 5 | 100201 | 04-30-19 |
| Indiana | State Program | 5 | C-IL-02 | 04-30-19 |
| Iowa | State Program | 7 | 82 | 05-01-20 |
| Kansas | NELAP | 7 | E-10161 | 10-31-19 |
| Kentucky (UST) | State Program | 4 | 66 | 04-30-19 |
| Kentucky (WW) | State Program | 4 | KY90023 | 12-31-18 * |
| Louisiana | NELAP | 6 | 30720 | 06-30-19 |
| Mississippi | State Program | 4 | N/A | 04-30-19 |
| New York | NELAP | 2 | 12019 | 04-01-19 |
| North Carolina (WW/SW) | State Program | 4 | 291 | 12-31-18 * |
| North Dakota | State Program | 8 | R-194 | 04-30-19 |
| Oklahoma | State Program | 6 | 8908 | 08-31-19 |
| South Carolina | State Program | 4 | 77001 | 04-30-19 |
| Wisconsin | State Program | 5 | 999580010 | 08-31-19 |
| Wyoming | State Program | 8 | 8TMS-Q | 04-30-19 |

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

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

## Chain of Custody Record

Lab Job #: 500-155225
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 5.8

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

Preservative: HCl
Parameter: VOC

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

| | Lab ID | MS/MSD | Sample ID | Sampling Date | Sampling Time | # of Containers | Matrix | Comments |
|---|---|---|---|---|---|---|---|---|
| X | 1 | | EW-2 | 11/21/18 | 1630 | 3 | W | |
| | 2 | | EW-3 | | 1300 | | | |
| | 3 | | EW-4 | | 1305 | | | |
| | 4 | | EW-5 | | 1320 | | | |
| | 5 | | EW-6 | | 1515 | | | |
| | 6 | | EW-7 | | 1505 | | | |
| | 7 | | EW-8 | | 1500 | | | |
| | 8 | | EW-9 | | 1450 | | | |
| | 9 | | EW-9 Dup | | 1450 | | | |
| | 10 | | EW-10 | | 1440 | | | |

500-155225 COC

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

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

| Relinquished By | Company | Date | Time |
|---|---|---|---|
| | Western Solutions | 11/23/18 | 1600 |
| | | | |
| | | | |

| Received By | Company | Date | Time |
|---|---|---|---|
| Fed Ex | | | |
| | TALME | 11/24/18 | 0950 |
| | | | |

Lab Courier:
Shipped: FX SAT Overnight
Hand Delivered:

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

Client Comments:

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

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

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

## Chain of Custody Record

Lab Job #: 500-155225
Chain of Custody Number: 155225
Page 2 of 3
AS 11/24/18
Temperature °C of Cooler: 5.8

| Client | Client Project # | Preservative | HCl | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Western | 023501.004.005 | | | | | | | | | | |
| Project Name: Stanley Black + Decker | | Parameter | | | | | | | | | |
| Project Location/State: Hempstead, MD | Lab Project # D. | | | | | | | | | | |
| Sampler: Greg Frasuski | Lab PM: Dick Wright | | U | | | | | | | | |
| | | | O | | | | | | | | |
| | | | C | | | | | | | | |

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

| Lab ID | MS/MSD | Sample ID | Sampling Date | Sampling Time | # of Containers | Matrix | Comments |
|---|---|---|---|---|---|---|---|
| 11 | | RFW-1A | 11/21/18 | 925 | 3 | W | |
| 12 | | RFW-1B | | 1015 | | | |
| 13 | | RFW-2A | | 1100 | | | |
| 14 | | RFW-2B | | 1150 | | | |
| 15 | | RFW-3B | | 1410 | | | |
| 16 | | RFW-6 | | 1610 | | | |
| 17 | | RFW-11R | | 1700 | | | |
| 18 | | RFW-17 | | 1250 | | | |
| 19 | | Trip Blank | | 0000 | 2 | | |
| 20 | AS | 11/24/18 | | | 3 | | |

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

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

| Relinquished By | Company | Date | Time | Received By | Company | Date | Time |
|---|---|---|---|---|---|---|---|
| [signature] | Western | 11/23/18 | 1600 | [signature] | TALAT | 11/24/18 | 0950 |
| Relinquished By | Company | Date | Time | Received By | Company | Date | Time |
| Relinquished By | Company | Date | Time | Received By | Company | Date | Time |

Lab Courier:
Shipped: Ex SATURday
Hand Delivered:

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

Client Comments:

Lab Comments:



TAL-4124-500 (1209)
12/6/2018

TAL

# CHEMTECH
## CHAIN OF CUSTODY RECORD

3 of 3

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. 500-155225
COC Number 2019429

**CLIENT INFORMATION** (REPORT TO BE SENT TO:)

COMPANY: Western Solutions
ADDRESS: 1 Western Way
CITY: W Chester STATE: PA ZIP:
ATTENTION:
PHONE: FAX:

**CLIENT PROJECT INFORMATION**

PROJECT NAME: Black + Decker
PROJECT NO.: LOCATION:
PROJECT MANAGER: Dick Wright
e-mail:
PHONE: FAX:

**CLIENT BILLING INFORMATION**

BILL TO: PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

**DATA TURNAROUND INFORMATION**

FAX: DAYS *
HARD COPY: DAYS *
EDD: DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

**DATA DELIVERABLE INFORMATION**

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

**ANALYSIS**

MeOH extraction requires an additional 4 oz jar for percent solid.

VOC

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES E/A 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 20 | RFW-9 | W | | ✓ | 11/23/18 | 725 | 3 | | | | | | | | | | |
| 21 2. 21 | RFW-7 | | | | | 815 | | | | | | | | | | | |
| 22 3. 22 | RFW-13 | | | | | 1010 | | | | | | | | | | | |
| 23 4. 23 | RFW-4B | | | | | 1125 | | | | | | | | | | | |
| 24 5. 24 | RFW-4A | | | | | 1215 | | | | | | | | | | | |
| 25 6. 25 | RFW-4A Dup | | | | | 1215 | | | | | | | | | | | |
| 26 7. 26 | RFW-12B | | | | | 1345 | | | | | | | | | | | |
| 8. AS | | | | | | | | | | | | | | | | | |
| 9. 11/24/18 | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

← Specify Preservatives
A-HCl B-$HNO_3$ C-$H_2SO_4$ D-NaOH E-ICE F-Other

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY**

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 11/23/18 1600 | 1. Fed Ex |
| RELINQUISHED BY: | DATE/TIME: | RECEIVED BY: |
| 2. | 11/24/18 0950 | 2. |
| RELINQUISHED BY: | DATE/TIME: | RECEIVED FOR LAB BY: |
| 3. | | 3. |

Comments:

Cooler Temp.: 5.9

Shipment
Complete: ☐ Yes ☐ No
By Client:
By Chemtech:

Revision 7/2017

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



12/6/2018

# Login Sample Receipt Checklist

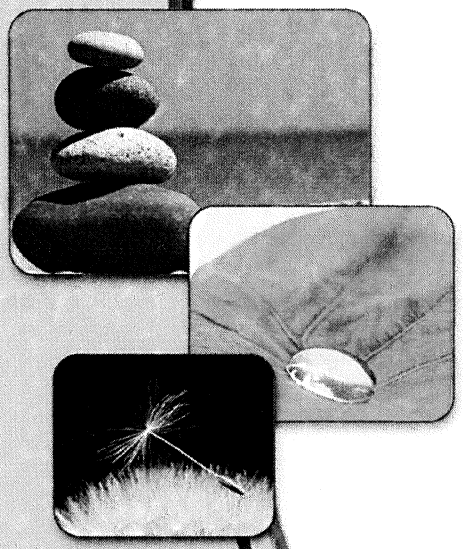
Client: Weston Solutions, Inc.

Job Number: 500-155225-1

**Login Number: 155225**
**List Number: 1**
**Creator: Sanchez, Ariel M**

**List Source: TestAmerica Chicago**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 5.8 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | False | Refer to Job Narrative for details. |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | False | Refer to Job Narrative for details. |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

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

TestAmerica Job ID: 680-161088-1
TestAmerica Sample Delivery Group: 680-161088-1
Client Project/Site: Black & Decker / Hampstead. MD

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

Attn: Greg Flasinski

*Authorized for release by:*
*11/30/2018 4:27:57 PM*

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

## Job ID: 680-161088-1

**Laboratory: TestAmerica Savannah**

**Narrative**

# CASE NARRATIVE
# Client: Weston Solutions, Inc.
# Project: Black & Decker / Hampstead. MD

## Report Number: 680-161088-1

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

**RECEIPT**

The samples were received on 11/24/2018 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples RFW-20 (680-161088-1), RFW-21 (680-161088-2), HAMP-22 (680-161088-3), HAMP-23 (680-161088-4) and Trip Blank (680-161088-5) were analyzed for Volatile organic Compounds (GC-MS) in accordance with EPA Method 524.2. The samples were analyzed on 11/30/2018.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-549537.

# Sample Summary

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 680-161088-1 | RFW-20 | Water | 11/21/18 07:30 | 11/24/18 09:40 |
| 680-161088-2 | RFW-21 | Water | 11/21/18 08:25 | 11/24/18 09:40 |
| 680-161088-3 | HAMP-22 | Water | 11/21/18 09:10 | 11/24/18 09:40 |
| 680-161088-4 | HAMP-23 | Water | 11/21/18 09:15 | 11/24/18 09:40 |
| 680-161088-5 | Trip Blank | Water | 11/21/18 00:00 | 11/24/18 09:40 |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

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

**Protocol References:**

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

**Laboratory References:**

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

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description |
|---|---|
| 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: Weston Solutions, Inc.
Project/Site: Black & Decker / Hampstead. MD

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: RFW-20**
**Date Collected: 11/21/18 07:30**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-1**
**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 | | | 11/30/18 13:21 | 1 |
| Benzene | <0.50 | | 0.50 | 0.082 | ug/L | | | 11/30/18 13:21 | 1 |
| Bromobenzene | <0.50 | | 0.50 | 0.091 | ug/L | | | 11/30/18 13:21 | 1 |
| Bromoform | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:21 | 1 |
| Bromomethane | <1.0 | | 1.0 | 0.20 | ug/L | | | 11/30/18 13:21 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:21 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:21 | 1 |
| Chlorobromomethane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 13:21 | 1 |
| Chlorodibromomethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:21 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.22 | ug/L | | | 11/30/18 13:21 | 1 |
| Chloroform | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:21 | 1 |
| Chloromethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:21 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:21 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:21 | 1 |
| cis-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 13:21 | 1 |
| cis-1,3-Dichloropropene | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 13:21 | 1 |
| Dibromomethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:21 | 1 |
| Dichlorobromomethane | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 13:21 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | 0.34 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | 0.078 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2-Dichloropropane | <0.50 | | 0.50 | 0.096 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | 0.10 | ug/L | | | 11/30/18 13:21 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | 0.095 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,3-Dichloropropene, Total | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 13:21 | 1 |
| Diisopropyl ether | <0.50 | | 0.50 | 0.28 | ug/L | | | 11/30/18 13:21 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.099 | ug/L | | | 11/30/18 13:21 | 1 |
| Ethylene Dibromide | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:21 | 1 |
| Freon 113 | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:21 | 1 |
| Hexachlorobutadiene | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 13:21 | 1 |
| 2-Hexanone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 13:21 | 1 |
| Isopropylbenzene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:21 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | 0.21 | ug/L | | | 11/30/18 13:21 | 1 |
| Methylene Chloride | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:21 | 1 |
| 2-Butanone (MEK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 13:21 | 1 |
| 4-Methyl-2-pentanone (MIBK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 13:21 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:21 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.43 | ug/L | | | 11/30/18 13:21 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:21 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:21 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:21 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:21 | 1 |
| Styrene | <0.50 | | 0.50 | 0.089 | ug/L | | | 11/30/18 13:21 | 1 |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: RFW-20**
**Date Collected: 11/21/18 07:30**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-1**
**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 | | | 11/30/18 13:21 | 1 |
| tert-Butyl alcohol | <10 | | 10 | 1.6 | ug/L | | | 11/30/18 13:21 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:21 | 1 |
| Tert-butyl ethyl ether | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | 0.24 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:21 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | 0.18 | ug/L | | | 11/30/18 13:21 | 1 |
| Toluene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:21 | 1 |
| trans-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 13:21 | 1 |
| trans-1,3-Dichloropropene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | 0.12 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:21 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:21 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | 0.23 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:21 | 1 |
| Trihalomethanes, Total | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:21 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:21 | 1 |
| Vinyl chloride | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:21 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *99* | | *70 - 130* | | *11/30/18 13:21* | *1* |
| *1,2-Dichlorobenzene-d4* | *101* | | *70 - 130* | | *11/30/18 13:21* | *1* |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: RFW-21**
**Date Collected: 11/21/18 08:25**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-2**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 13:45 | 1 |
| Benzene | <0.50 | | 0.50 | 0.082 | ug/L | | | 11/30/18 13:45 | 1 |
| Bromobenzene | <0.50 | | 0.50 | 0.091 | ug/L | | | 11/30/18 13:45 | 1 |
| Bromoform | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:45 | 1 |
| Bromomethane | <1.0 | | 1.0 | 0.20 | ug/L | | | 11/30/18 13:45 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:45 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:45 | 1 |
| Chlorobromomethane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 13:45 | 1 |
| Chlorodibromomethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:45 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.22 | ug/L | | | 11/30/18 13:45 | 1 |
| Chloroform | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:45 | 1 |
| Chloromethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:45 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:45 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:45 | 1 |
| cis-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 13:45 | 1 |
| cis-1,3-Dichloropropene | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 13:45 | 1 |
| Dibromomethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:45 | 1 |
| Dichlorobromomethane | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 13:45 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | 0.34 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | 0.078 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2-Dichloropropane | <0.50 | | 0.50 | 0.096 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | 0.10 | ug/L | | | 11/30/18 13:45 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | 0.095 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,3-Dichloropropene, Total | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 13:45 | 1 |
| Diisopropyl ether | <0.50 | | 0.50 | 0.28 | ug/L | | | 11/30/18 13:45 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.099 | ug/L | | | 11/30/18 13:45 | 1 |
| Ethylene Dibromide | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:45 | 1 |
| Freon 113 | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:45 | 1 |
| Hexachlorobutadiene | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 13:45 | 1 |
| 2-Hexanone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 13:45 | 1 |
| Isopropylbenzene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:45 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | 0.21 | ug/L | | | 11/30/18 13:45 | 1 |
| Methylene Chloride | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 13:45 | 1 |
| 2-Butanone (MEK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 13:45 | 1 |
| 4-Methyl-2-pentanone (MIBK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 13:45 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:45 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.43 | ug/L | | | 11/30/18 13:45 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:45 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:45 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:45 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:45 | 1 |
| Styrene | <0.50 | | 0.50 | 0.089 | ug/L | | | 11/30/18 13:45 | 1 |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: RFW-21**
**Date Collected: 11/21/18 08:25**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-2**
**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 | | | 11/30/18 13:45 | 1 |
| tert-Butyl alcohol | <10 | | 10 | 1.6 | ug/L | | | 11/30/18 13:45 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:45 | 1 |
| Tert-butyl ethyl ether | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | 0.24 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:45 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | 0.18 | ug/L | | | 11/30/18 13:45 | 1 |
| Toluene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:45 | 1 |
| trans-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 13:45 | 1 |
| trans-1,3-Dichloropropene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | 0.12 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:45 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 13:45 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | 0.23 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:45 | 1 |
| Trihalomethanes, Total | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 13:45 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:45 | 1 |
| Vinyl chloride | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 13:45 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 13:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *100* | | *70 - 130* | | *11/30/18 13:45* | *1* |
| *1,2-Dichlorobenzene-d4* | *98* | | *70 - 130* | | *11/30/18 13:45* | *1* |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: HAMP-22**
**Date Collected: 11/21/18 09:10**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-3**
**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 | | | 11/30/18 14:08 | 1 |
| Benzene | <0.50 | | 0.50 | 0.082 | ug/L | | | 11/30/18 14:08 | 1 |
| Bromobenzene | <0.50 | | 0.50 | 0.091 | ug/L | | | 11/30/18 14:08 | 1 |
| Bromoform | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:08 | 1 |
| Bromomethane | <1.0 | | 1.0 | 0.20 | ug/L | | | 11/30/18 14:08 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:08 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:08 | 1 |
| Chlorobromomethane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 14:08 | 1 |
| Chlorodibromomethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:08 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.22 | ug/L | | | 11/30/18 14:08 | 1 |
| **Chloroform** | **0.20** | **J** | 0.50 | 0.20 | ug/L | | | 11/30/18 14:08 | 1 |
| Chloromethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:08 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:08 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:08 | 1 |
| cis-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 14:08 | 1 |
| cis-1,3-Dichloropropene | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 14:08 | 1 |
| Dibromomethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:08 | 1 |
| Dichlorobromomethane | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 14:08 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | 0.34 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | 0.078 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2-Dichloropropane | <0.50 | | 0.50 | 0.096 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | 0.10 | ug/L | | | 11/30/18 14:08 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | 0.095 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,3-Dichloropropene, Total | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 14:08 | 1 |
| Diisopropyl ether | <0.50 | | 0.50 | 0.28 | ug/L | | | 11/30/18 14:08 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.099 | ug/L | | | 11/30/18 14:08 | 1 |
| Ethylene Dibromide | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 14:08 | 1 |
| Freon 113 | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:08 | 1 |
| Hexachlorobutadiene | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 14:08 | 1 |
| 2-Hexanone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 14:08 | 1 |
| Isopropylbenzene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:08 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | 0.21 | ug/L | | | 11/30/18 14:08 | 1 |
| Methylene Chloride | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 14:08 | 1 |
| 2-Butanone (MEK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 14:08 | 1 |
| 4-Methyl-2-pentanone (MIBK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 14:08 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:08 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.43 | ug/L | | | 11/30/18 14:08 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:08 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:08 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:08 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:08 | 1 |
| Styrene | <0.50 | | 0.50 | 0.089 | ug/L | | | 11/30/18 14:08 | 1 |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: HAMP-22**
**Date Collected: 11/21/18 09:10**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-3**
**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 | | | 11/30/18 14:08 | 1 |
| **tert-Butyl alcohol** | **4.9** | **J** | 10 | 1.6 | ug/L | | | 11/30/18 14:08 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:08 | 1 |
| Tert-butyl ethyl ether | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | 0.24 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:08 | 1 |
| **Tetrachloroethene** | **0.86** | | 0.50 | 0.18 | ug/L | | | 11/30/18 14:08 | 1 |
| Toluene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:08 | 1 |
| trans-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 14:08 | 1 |
| trans-1,3-Dichloropropene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | 0.12 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:08 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:08 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | 0.23 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:08 | 1 |
| **Trihalomethanes, Total** | **0.20** | **J** | 0.50 | 0.079 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:08 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:08 | 1 |
| Vinyl chloride | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:08 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *98* | | *70 - 130* | | *11/30/18 14:08* | *1* |
| *1,2-Dichlorobenzene-d4* | *99* | | *70 - 130* | | *11/30/18 14:08* | *1* |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: HAMP-23**
**Date Collected: 11/21/18 09:15**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-4**
**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 | | | 11/30/18 14:31 | 1 |
| Benzene | <0.50 | | 0.50 | 0.082 | ug/L | | | 11/30/18 14:31 | 1 |
| Bromobenzene | <0.50 | | 0.50 | 0.091 | ug/L | | | 11/30/18 14:31 | 1 |
| Bromoform | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:31 | 1 |
| Bromomethane | <1.0 | | 1.0 | 0.20 | ug/L | | | 11/30/18 14:31 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:31 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:31 | 1 |
| Chlorobromomethane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 14:31 | 1 |
| Chlorodibromomethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:31 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.22 | ug/L | | | 11/30/18 14:31 | 1 |
| Chloroform | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 14:31 | 1 |
| Chloromethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:31 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:31 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:31 | 1 |
| cis-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 14:31 | 1 |
| cis-1,3-Dichloropropene | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 14:31 | 1 |
| Dibromomethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:31 | 1 |
| Dichlorobromomethane | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 14:31 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | 0.34 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | 0.078 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2-Dichloropropane | <0.50 | | 0.50 | 0.096 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | 0.10 | ug/L | | | 11/30/18 14:31 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | 0.095 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,3-Dichloropropene, Total | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 14:31 | 1 |
| Diisopropyl ether | <0.50 | | 0.50 | 0.28 | ug/L | | | 11/30/18 14:31 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.099 | ug/L | | | 11/30/18 14:31 | 1 |
| Ethylene Dibromide | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 14:31 | 1 |
| Freon 113 | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:31 | 1 |
| Hexachlorobutadiene | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 14:31 | 1 |
| 2-Hexanone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 14:31 | 1 |
| Isopropylbenzene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:31 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | 0.21 | ug/L | | | 11/30/18 14:31 | 1 |
| Methylene Chloride | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 14:31 | 1 |
| 2-Butanone (MEK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 14:31 | 1 |
| 4-Methyl-2-pentanone (MIBK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 14:31 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:31 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.43 | ug/L | | | 11/30/18 14:31 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:31 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:31 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:31 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:31 | 1 |
| Styrene | <0.50 | | 0.50 | 0.089 | ug/L | | | 11/30/18 14:31 | 1 |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: HAMP-23**
**Date Collected: 11/21/18 09:15**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-4**
**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 | | | 11/30/18 14:31 | 1 |
| **tert-Butyl alcohol** | **3.0** | **J** | 10 | 1.6 | ug/L | | | 11/30/18 14:31 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:31 | 1 |
| Tert-butyl ethyl ether | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | 0.24 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:31 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | 0.18 | ug/L | | | 11/30/18 14:31 | 1 |
| Toluene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:31 | 1 |
| trans-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 14:31 | 1 |
| trans-1,3-Dichloropropene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | 0.12 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:31 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 14:31 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | 0.23 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:31 | 1 |
| Trihalomethanes, Total | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 14:31 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:31 | 1 |
| Vinyl chloride | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 14:31 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 14:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *97* | | *70 - 130* | | *11/30/18 14:31* | *1* |
| *1,2-Dichlorobenzene-d4* | *99* | | *70 - 130* | | *11/30/18 14:31* | *1* |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: Trip Blank**
**Date Collected: 11/21/18 00:00**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-5**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 11:25 | 1 |
| Benzene | <0.50 | | 0.50 | 0.082 | ug/L | | | 11/30/18 11:25 | 1 |
| Bromobenzene | <0.50 | | 0.50 | 0.091 | ug/L | | | 11/30/18 11:25 | 1 |
| Bromoform | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 11:25 | 1 |
| Bromomethane | <1.0 | | 1.0 | 0.20 | ug/L | | | 11/30/18 11:25 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 11:25 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 11:25 | 1 |
| Chlorobromomethane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 11:25 | 1 |
| Chlorodibromomethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 11:25 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.22 | ug/L | | | 11/30/18 11:25 | 1 |
| Chloroform | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 11:25 | 1 |
| Chloromethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 11:25 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 11:25 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 11:25 | 1 |
| cis-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 11:25 | 1 |
| cis-1,3-Dichloropropene | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 11:25 | 1 |
| Dibromomethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 11:25 | 1 |
| Dichlorobromomethane | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 11:25 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | 0.34 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | 0.078 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2-Dichloropropane | <0.50 | | 0.50 | 0.096 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | 0.10 | ug/L | | | 11/30/18 11:25 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | 0.095 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,3-Dichloropropene, Total | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 11:25 | 1 |
| Diisopropyl ether | <0.50 | | 0.50 | 0.28 | ug/L | | | 11/30/18 11:25 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.099 | ug/L | | | 11/30/18 11:25 | 1 |
| Ethylene Dibromide | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 11:25 | 1 |
| Freon 113 | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 11:25 | 1 |
| Hexachlorobutadiene | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 11:25 | 1 |
| 2-Hexanone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 11:25 | 1 |
| Isopropylbenzene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 11:25 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | 0.21 | ug/L | | | 11/30/18 11:25 | 1 |
| Methylene Chloride | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 11:25 | 1 |
| 2-Butanone (MEK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 11:25 | 1 |
| 4-Methyl-2-pentanone (MIBK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 11:25 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 11:25 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.43 | ug/L | | | 11/30/18 11:25 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 11:25 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 11:25 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 11:25 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 11:25 | 1 |
| Styrene | <0.50 | | 0.50 | 0.089 | ug/L | | | 11/30/18 11:25 | 1 |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

**Client Sample ID: Trip Blank**
**Date Collected: 11/21/18 00:00**
**Date Received: 11/24/18 09:40**

**Lab Sample ID: 680-161088-5**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tert-amyl methyl ether | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 11:25 | 1 |
| tert-Butyl alcohol | <10 | | 10 | 1.6 | ug/L | | | 11/30/18 11:25 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 11:25 | 1 |
| Tert-butyl ethyl ether | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | 0.24 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 11:25 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | 0.18 | ug/L | | | 11/30/18 11:25 | 1 |
| Toluene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 11:25 | 1 |
| trans-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 11:25 | 1 |
| trans-1,3-Dichloropropene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | 0.12 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 11:25 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 11:25 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | 0.23 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 11:25 | 1 |
| Trihalomethanes, Total | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 11:25 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 11:25 | 1 |
| Vinyl chloride | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 11:25 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 11:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *94* | | *70 - 130* | | *11/30/18 11:25* | *1* |
| *1,2-Dichlorobenzene-d4* | *98* | | *70 - 130* | | *11/30/18 11:25* | *1* |

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

**Lab Sample ID: MB 680-549537/8**
**Matrix: Water**
**Analysis Batch: 549537**

**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 | | | 11/30/18 10:47 | 1 |
| Benzene | <0.50 | | 0.50 | 0.082 | ug/L | | | 11/30/18 10:47 | 1 |
| Bromobenzene | <0.50 | | 0.50 | 0.091 | ug/L | | | 11/30/18 10:47 | 1 |
| Bromoform | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 10:47 | 1 |
| Bromomethane | <1.0 | | 1.0 | 0.20 | ug/L | | | 11/30/18 10:47 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 10:47 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 10:47 | 1 |
| Chlorobromomethane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 10:47 | 1 |
| Chlorodibromomethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 10:47 | 1 |
| Chloroethane | <1.0 | | 1.0 | 0.22 | ug/L | | | 11/30/18 10:47 | 1 |
| Chloroform | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 10:47 | 1 |
| Chloromethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 10:47 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 10:47 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 10:47 | 1 |
| cis-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 10:47 | 1 |
| cis-1,3-Dichloropropene | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.50 | | 0.50 | 0.30 | ug/L | | | 11/30/18 10:47 | 1 |
| Dibromomethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 10:47 | 1 |
| Dichlorobromomethane | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 10:47 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | 0.34 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | 0.078 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2-Dichloropropane | <0.50 | | 0.50 | 0.096 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | 0.10 | ug/L | | | 11/30/18 10:47 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | 0.095 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,3-Dichloropropene, Total | <0.50 | | 0.50 | 0.081 | ug/L | | | 11/30/18 10:47 | 1 |
| Diisopropyl ether | <0.50 | | 0.50 | 0.28 | ug/L | | | 11/30/18 10:47 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | 0.099 | ug/L | | | 11/30/18 10:47 | 1 |
| Ethylene Dibromide | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 10:47 | 1 |
| Freon 113 | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 10:47 | 1 |
| Hexachlorobutadiene | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 10:47 | 1 |
| 2-Hexanone | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 10:47 | 1 |
| Isopropylbenzene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 10:47 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | 0.21 | ug/L | | | 11/30/18 10:47 | 1 |
| Methylene Chloride | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 10:47 | 1 |
| 2-Butanone (MEK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 10:47 | 1 |
| 4-Methyl-2-pentanone (MIBK) | <10 | | 10 | 5.0 | ug/L | | | 11/30/18 10:47 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 10:47 | 1 |
| Naphthalene | <1.0 | | 1.0 | 0.43 | ug/L | | | 11/30/18 10:47 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 10:47 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 10:47 | 1 |
| o-Xylene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 10:47 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 10:47 | 1 |

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

**Lab Sample ID: MB 680-549537/8**
**Matrix: Water**
**Analysis Batch: 549537**

**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 | | | 11/30/18 10:47 | 1 |
| Tert-amyl methyl ether | <0.50 | | 0.50 | 0.20 | ug/L | | | 11/30/18 10:47 | 1 |
| tert-Butyl alcohol | <10 | | 10 | 1.6 | ug/L | | | 11/30/18 10:47 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 10:47 | 1 |
| Tert-butyl ethyl ether | <0.50 | | 0.50 | 0.26 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | 0.24 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 10:47 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | 0.18 | ug/L | | | 11/30/18 10:47 | 1 |
| Toluene | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 10:47 | 1 |
| trans-1,2-Dichloroethene | <0.50 | | 0.50 | 0.090 | ug/L | | | 11/30/18 10:47 | 1 |
| trans-1,3-Dichloropropene | <0.50 | | 0.50 | 0.11 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | 0.14 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | 0.12 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | 0.15 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 10:47 | 1 |
| Trichloroethene | <0.50 | | 0.50 | 0.13 | ug/L | | | 11/30/18 10:47 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | 0.23 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 10:47 | 1 |
| Trihalomethanes, Total | <0.50 | | 0.50 | 0.079 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | 0.17 | ug/L | | | 11/30/18 10:47 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 10:47 | 1 |
| Vinyl chloride | <0.50 | | 0.50 | 0.16 | ug/L | | | 11/30/18 10:47 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | 0.086 | ug/L | | | 11/30/18 10:47 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *96* | | *70 - 130* | | *11/30/18 10:47* | *1* |
| *1,2-Dichlorobenzene-d4* | *102* | | *70 - 130* | | *11/30/18 10:47* | *1* |

**Lab Sample ID: LCS 680-549537/3**
**Matrix: Water**
**Analysis Batch: 549537**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 100 | 101 | | ug/L | | 101 | 70 - 130 |
| Benzene | 20.0 | 22.9 | | ug/L | | 115 | 70 - 130 |
| Bromobenzene | 20.0 | 21.0 | | ug/L | | 105 | 70 - 130 |
| Bromoform | 20.0 | 21.7 | | ug/L | | 108 | 70 - 130 |
| Bromomethane | 20.0 | 19.7 | | ug/L | | 99 | 70 - 130 |
| Carbon tetrachloride | 20.0 | 24.3 | | ug/L | | 121 | 70 - 130 |
| Chlorobenzene | 20.0 | 22.0 | | ug/L | | 110 | 70 - 130 |
| Chlorobromomethane | 20.0 | 22.0 | | ug/L | | 110 | 70 - 130 |
| Chlorodibromomethane | 20.0 | 21.7 | | ug/L | | 109 | 70 - 130 |
| Chloroethane | 20.0 | 22.1 | | ug/L | | 111 | 70 - 130 |
| Chloroform | 20.0 | 21.8 | | ug/L | | 109 | 70 - 130 |
| Chloromethane | 20.0 | 21.6 | | ug/L | | 108 | 70 - 130 |
| 2-Chlorotoluene | 20.0 | 22.2 | | ug/L | | 111 | 70 - 130 |
| 4-Chlorotoluene | 20.0 | 22.2 | | ug/L | | 111 | 70 - 130 |
| cis-1,2-Dichloroethene | 20.0 | 22.1 | | ug/L | | 111 | 70 - 130 |

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

**Lab Sample ID: LCS 680-549537/3**
**Matrix: Water**
**Analysis Batch: 549537**

**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 | 23.4 | | ug/L | | 117 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 21.0 | | ug/L | | 105 | 70 - 130 |
| Dibromomethane | 20.0 | 21.6 | | ug/L | | 108 | 70 - 130 |
| 1,2-Dichlorobenzene | 20.0 | 21.1 | | ug/L | | 105 | 70 - 130 |
| 1,3-Dichlorobenzene | 20.0 | 21.3 | | ug/L | | 106 | 70 - 130 |
| 1,4-Dichlorobenzene | 20.0 | 20.9 | | ug/L | | 105 | 70 - 130 |
| Dichlorobromomethane | 20.0 | 22.1 | | ug/L | | 111 | 70 - 130 |
| Dichlorodifluoromethane | 20.0 | 23.7 | | ug/L | | 119 | 70 - 130 |
| 1,1-Dichloroethane | 20.0 | 22.9 | | ug/L | | 115 | 70 - 130 |
| 1,2-Dichloroethane | 20.0 | 22.8 | | ug/L | | 114 | 70 - 130 |
| 1,1-Dichloroethene | 20.0 | 23.5 | | ug/L | | 118 | 70 - 130 |
| 1,2-Dichloropropane | 20.0 | 23.4 | | ug/L | | 117 | 70 - 130 |
| 1,3-Dichloropropane | 20.0 | 22.1 | | ug/L | | 111 | 70 - 130 |
| 2,2-Dichloropropane | 20.0 | 23.9 | | ug/L | | 120 | 70 - 130 |
| 1,1-Dichloropropene | 20.0 | 23.8 | | ug/L | | 119 | 70 - 130 |
| 1,3-Dichloropropene, Total | 40.0 | 46.7 | | ug/L | | 117 | 70 - 130 |
| Diisopropyl ether | 20.0 | 22.2 | | ug/L | | 111 | 70 - 130 |
| Ethylbenzene | 20.0 | 22.2 | | ug/L | | 111 | 70 - 130 |
| Ethylene Dibromide | 20.0 | 21.7 | | ug/L | | 108 | 70 - 130 |
| Freon 113 | 20.0 | 24.0 | | ug/L | | 120 | 70 - 130 |
| Hexachlorobutadiene | 20.0 | 22.3 | | ug/L | | 112 | 70 - 130 |
| 2-Hexanone | 100 | 109 | | ug/L | | 109 | 70 - 130 |
| Isopropylbenzene | 20.0 | 22.6 | | ug/L | | 113 | 70 - 130 |
| 4-Isopropyltoluene | 20.0 | 23.0 | | ug/L | | 115 | 70 - 130 |
| Methylene Chloride | 20.0 | 21.2 | | ug/L | | 106 | 70 - 130 |
| 2-Butanone (MEK) | 100 | 108 | | ug/L | | 108 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 113 | | ug/L | | 113 | 70 - 130 |
| m-Xylene & p-Xylene | 20.0 | 22.5 | | ug/L | | 113 | 70 - 130 |
| Naphthalene | 20.0 | 22.4 | | ug/L | | 112 | 70 - 130 |
| n-Butylbenzene | 20.0 | 23.5 | | ug/L | | 118 | 70 - 130 |
| N-Propylbenzene | 20.0 | 23.1 | | ug/L | | 115 | 70 - 130 |
| o-Xylene | 20.0 | 22.0 | | ug/L | | 110 | 70 - 130 |
| sec-Butylbenzene | 20.0 | 23.3 | | ug/L | | 116 | 70 - 130 |
| Styrene | 20.0 | 22.5 | | ug/L | | 113 | 70 - 130 |
| Tert-amyl methyl ether | 20.0 | 22.3 | | ug/L | | 112 | 70 - 130 |
| tert-Butyl alcohol | 200 | 210 | | ug/L | | 105 | 70 - 130 |
| tert-Butylbenzene | 20.0 | 22.7 | | ug/L | | 113 | 70 - 130 |
| Tert-butyl ethyl ether | 20.0 | 22.2 | | ug/L | | 111 | 70 - 130 |
| 1,1,1,2-Tetrachloroethane | 20.0 | 22.1 | | ug/L | | 110 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 21.2 | | ug/L | | 106 | 70 - 130 |
| Tetrachloroethene | 20.0 | 22.8 | | ug/L | | 114 | 70 - 130 |
| Toluene | 20.0 | 22.9 | | ug/L | | 115 | 70 - 130 |
| trans-1,2-Dichloroethene | 20.0 | 22.1 | | ug/L | | 111 | 70 - 130 |
| trans-1,3-Dichloropropene | 20.0 | 23.3 | | ug/L | | 117 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 20.0 | 21.9 | | ug/L | | 109 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 20.0 | 21.6 | | ug/L | | 108 | 70 - 130 |
| 1,1,1-Trichloroethane | 20.0 | 23.6 | | ug/L | | 118 | 70 - 130 |
| 1,1,2-Trichloroethane | 20.0 | 21.8 | | ug/L | | 109 | 70 - 130 |

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

**Lab Sample ID: LCS 680-549537/3**
**Matrix: Water**
**Analysis Batch: 549537**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Trichloroethene | 20.0 | 23.1 | | ug/L | | 116 | 70 - 130 |
| Trichlorofluoromethane | 20.0 | 23.7 | | ug/L | | 118 | 70 - 130 |
| 1,2,3-Trichloropropane | 20.0 | 20.8 | | ug/L | | 104 | 70 - 130 |
| Trihalomethanes, Total | 80.0 | 87.3 | | ug/L | | 109 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 20.0 | 22.3 | | ug/L | | 112 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 20.0 | 22.5 | | ug/L | | 113 | 70 - 130 |
| Vinyl chloride | 20.0 | 23.0 | | ug/L | | 115 | 70 - 130 |
| Xylenes, Total | 40.0 | 44.5 | | ug/L | | 111 | 70 - 130 |

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

**Lab Sample ID: LCSD 680-549537/4**
**Matrix: Water**
**Analysis Batch: 549537**

**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 | 103 | | ug/L | | 103 | 70 - 130 | 3 | 20 |
| Benzene | 20.0 | 21.3 | | ug/L | | 106 | 70 - 130 | 7 | 20 |
| Bromobenzene | 20.0 | 19.9 | | ug/L | | 99 | 70 - 130 | 5 | 20 |
| Bromoform | 20.0 | 20.5 | | ug/L | | 103 | 70 - 130 | 6 | 20 |
| Bromomethane | 20.0 | 19.4 | | ug/L | | 97 | 70 - 130 | 2 | 20 |
| Carbon tetrachloride | 20.0 | 22.2 | | ug/L | | 111 | 70 - 130 | 9 | 20 |
| Chlorobenzene | 20.0 | 20.7 | | ug/L | | 103 | 70 - 130 | 7 | 20 |
| Chlorobromomethane | 20.0 | 21.2 | | ug/L | | 106 | 70 - 130 | 3 | 20 |
| Chlorodibromomethane | 20.0 | 20.4 | | ug/L | | 102 | 70 - 130 | 6 | 20 |
| Chloroethane | 20.0 | 21.6 | | ug/L | | 108 | 70 - 130 | 2 | 20 |
| Chloroform | 20.0 | 20.9 | | ug/L | | 104 | 70 - 130 | 4 | 20 |
| Chloromethane | 20.0 | 20.8 | | ug/L | | 104 | 70 - 130 | 4 | 20 |
| 2-Chlorotoluene | 20.0 | 20.7 | | ug/L | | 104 | 70 - 130 | 7 | 20 |
| 4-Chlorotoluene | 20.0 | 21.0 | | ug/L | | 105 | 70 - 130 | 6 | 20 |
| cis-1,2-Dichloroethene | 20.0 | 21.8 | | ug/L | | 109 | 70 - 130 | 1 | 20 |
| cis-1,3-Dichloropropene | 20.0 | 21.7 | | ug/L | | 108 | 70 - 130 | 7 | 20 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 20.7 | | ug/L | | 103 | 70 - 130 | 2 | 20 |
| Dibromomethane | 20.0 | 20.0 | | ug/L | | 100 | 70 - 130 | 8 | 20 |
| 1,2-Dichlorobenzene | 20.0 | 19.9 | | ug/L | | 100 | 70 - 130 | 5 | 20 |
| 1,3-Dichlorobenzene | 20.0 | 20.1 | | ug/L | | 100 | 70 - 130 | 6 | 20 |
| 1,4-Dichlorobenzene | 20.0 | 20.0 | | ug/L | | 100 | 70 - 130 | 5 | 20 |
| Dichlorobromomethane | 20.0 | 20.4 | | ug/L | | 102 | 70 - 130 | 8 | 20 |
| Dichlorodifluoromethane | 20.0 | 22.7 | | ug/L | | 113 | 70 - 130 | 4 | 20 |
| 1,1-Dichloroethane | 20.0 | 22.0 | | ug/L | | 110 | 70 - 130 | 4 | 20 |
| 1,2-Dichloroethane | 20.0 | 21.0 | | ug/L | | 105 | 70 - 130 | 8 | 20 |
| 1,1-Dichloroethene | 20.0 | 22.1 | | ug/L | | 110 | 70 - 130 | 6 | 20 |
| 1,2-Dichloropropane | 20.0 | 21.3 | | ug/L | | 107 | 70 - 130 | 9 | 20 |
| 1,3-Dichloropropane | 20.0 | 20.3 | | ug/L | | 102 | 70 - 130 | 9 | 20 |
| 2,2-Dichloropropane | 20.0 | 22.6 | | ug/L | | 113 | 70 - 130 | 6 | 20 |
| 1,1-Dichloropropene | 20.0 | 21.9 | | ug/L | | 109 | 70 - 130 | 8 | 20 |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

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

**Lab Sample ID: LCSD 680-549537/4**
**Matrix: Water**
**Analysis Batch: 549537**

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichloropropene, Total | 40.0 | 43.0 | | ug/L | | 108 | 70 - 130 | 8 | 20 |
| Diisopropyl ether | 20.0 | 21.7 | | ug/L | | 108 | 70 - 130 | 2 | 20 |
| Ethylbenzene | 20.0 | 21.4 | | ug/L | | 107 | 70 - 130 | 4 | 20 |
| Ethylene Dibromide | 20.0 | 20.4 | | ug/L | | 102 | 70 - 130 | 6 | 20 |
| Freon 113 | 20.0 | 22.2 | | ug/L | | 111 | 70 - 130 | 8 | 20 |
| Hexachlorobutadiene | 20.0 | 21.4 | | ug/L | | 107 | 70 - 130 | 4 | 20 |
| 2-Hexanone | 100 | 106 | | ug/L | | 106 | 70 - 130 | 3 | 20 |
| Isopropylbenzene | 20.0 | 21.5 | | ug/L | | 108 | 70 - 130 | 5 | 20 |
| 4-Isopropyltoluene | 20.0 | 21.7 | | ug/L | | 108 | 70 - 130 | 6 | 20 |
| Methylene Chloride | 20.0 | 20.7 | | ug/L | | 103 | 70 - 130 | 3 | 20 |
| 2-Butanone (MEK) | 100 | 104 | | ug/L | | 104 | 70 - 130 | 3 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 107 | | ug/L | | 107 | 70 - 130 | 6 | 20 |
| m-Xylene & p-Xylene | 20.0 | 21.5 | | ug/L | | 108 | 70 - 130 | 5 | 20 |
| Naphthalene | 20.0 | 21.7 | | ug/L | | 108 | 70 - 130 | 3 | 20 |
| n-Butylbenzene | 20.0 | 22.1 | | ug/L | | 111 | 70 - 130 | 6 | 20 |
| N-Propylbenzene | 20.0 | 21.9 | | ug/L | | 110 | 70 - 130 | 5 | 20 |
| o-Xylene | 20.0 | 20.9 | | ug/L | | 104 | 70 - 130 | 5 | 20 |
| sec-Butylbenzene | 20.0 | 21.8 | | ug/L | | 109 | 70 - 130 | 7 | 20 |
| Styrene | 20.0 | 21.1 | | ug/L | | 106 | 70 - 130 | 7 | 20 |
| Tert-amyl methyl ether | 20.0 | 21.0 | | ug/L | | 105 | 70 - 130 | 6 | 20 |
| tert-Butyl alcohol | 200 | 202 | | ug/L | | 101 | 70 - 130 | 4 | 20 |
| tert-Butylbenzene | 20.0 | 21.5 | | ug/L | | 107 | 70 - 130 | 6 | 20 |
| Tert-butyl ethyl ether | 20.0 | 21.2 | | ug/L | | 106 | 70 - 130 | 4 | 20 |
| 1,1,1,2-Tetrachloroethane | 20.0 | 20.6 | | ug/L | | 103 | 70 - 130 | 7 | 20 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 20.3 | | ug/L | | 102 | 70 - 130 | 4 | 20 |
| Tetrachloroethene | 20.0 | 21.5 | | ug/L | | 107 | 70 - 130 | 6 | 20 |
| Toluene | 20.0 | 21.1 | | ug/L | | 105 | 70 - 130 | 8 | 20 |
| trans-1,2-Dichloroethene | 20.0 | 21.5 | | ug/L | | 107 | 70 - 130 | 3 | 20 |
| trans-1,3-Dichloropropene | 20.0 | 21.3 | | ug/L | | 107 | 70 - 130 | 9 | 20 |
| 1,2,3-Trichlorobenzene | 20.0 | 21.1 | | ug/L | | 105 | 70 - 130 | 4 | 20 |
| 1,2,4-Trichlorobenzene | 20.0 | 21.0 | | ug/L | | 105 | 70 - 130 | 3 | 20 |
| 1,1,1-Trichloroethane | 20.0 | 21.7 | | ug/L | | 108 | 70 - 130 | 9 | 20 |
| 1,1,2-Trichloroethane | 20.0 | 20.3 | | ug/L | | 102 | 70 - 130 | 7 | 20 |
| Trichloroethene | 20.0 | 21.1 | | ug/L | | 105 | 70 - 130 | 9 | 20 |
| Trichlorofluoromethane | 20.0 | 22.9 | | ug/L | | 114 | 70 - 130 | 3 | 20 |
| 1,2,3-Trichloropropane | 20.0 | 20.0 | | ug/L | | 100 | 70 - 130 | 4 | 20 |
| Trihalomethanes, Total | 80.0 | 82.2 | | ug/L | | 103 | 70 - 130 | 6 | 20 |
| 1,2,4-Trimethylbenzene | 20.0 | 21.5 | | ug/L | | 107 | 70 - 130 | 4 | 20 |
| 1,3,5-Trimethylbenzene | 20.0 | 21.4 | | ug/L | | 107 | 70 - 130 | 5 | 20 |
| Vinyl chloride | 20.0 | 22.5 | | ug/L | | 112 | 70 - 130 | 3 | 20 |
| Xylenes, Total | 40.0 | 42.4 | | ug/L | | 106 | 70 - 130 | 5 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *103* | | *70 - 130* |
| *1,2-Dichlorobenzene-d4* | *99* | | *70 - 130* |

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

## GC/MS VOA

### Analysis Batch: 549537

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 680-161088-1 | RFW-20 | Total/NA | Water | 524.2 | |
| 680-161088-2 | RFW-21 | Total/NA | Water | 524.2 | |
| 680-161088-3 | HAMP-22 | Total/NA | Water | 524.2 | |
| 680-161088-4 | HAMP-23 | Total/NA | Water | 524.2 | |
| 680-161088-5 | Trip Blank | Total/NA | Water | 524.2 | |
| MB 680-549537/8 | Method Blank | Total/NA | Water | 524.2 | |
| LCS 680-549537/3 | Lab Control Sample | Total/NA | Water | 524.2 | |
| LCSD 680-549537/4 | Lab Control Sample Dup | Total/NA | Water | 524.2 | |

## Client Sample ID: RFW-20

**Lab Sample ID: 680-161088-1**

**Date Collected: 11/21/18 07:30**

**Matrix: Water**

**Date Received: 11/24/18 09:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 524.2 | | 1 | 5 mL | 5 mL | 549537 | 11/30/18 13:21 | DAS | TAL SAV |
| | Instrument ID: CMSU | | | | | | | | | |

## Client Sample ID: RFW-21

**Lab Sample ID: 680-161088-2**

**Date Collected: 11/21/18 08:25**

**Matrix: Water**

**Date Received: 11/24/18 09:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 524.2 | | 1 | 5 mL | 5 mL | 549537 | 11/30/18 13:45 | DAS | TAL SAV |
| | Instrument ID: CMSU | | | | | | | | | |

## Client Sample ID: HAMP-22

**Lab Sample ID: 680-161088-3**

**Date Collected: 11/21/18 09:10**

**Matrix: Water**

**Date Received: 11/24/18 09:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 524.2 | | 1 | 5 mL | 5 mL | 549537 | 11/30/18 14:08 | DAS | TAL SAV |
| | Instrument ID: CMSU | | | | | | | | | |

## Client Sample ID: HAMP-23

**Lab Sample ID: 680-161088-4**

**Date Collected: 11/21/18 09:15**

**Matrix: Water**

**Date Received: 11/24/18 09:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 524.2 | | 1 | 5 mL | 5 mL | 549537 | 11/30/18 14:31 | DAS | TAL SAV |
| | Instrument ID: CMSU | | | | | | | | | |

## Client Sample ID: Trip Blank

**Lab Sample ID: 680-161088-5**

**Date Collected: 11/21/18 00:00**

**Matrix: Water**

**Date Received: 11/24/18 09:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 524.2 | | 1 | 5 mL | 5 mL | 549537 | 11/30/18 11:25 | DAS | TAL SAV |
| | Instrument ID: CMSU | | | | | | | | | |

**Laboratory References:**

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

**TestAmerica Savannah**
5102 LaRoche Avenue

Savannah, GA 31404
Phone: 912.354.7858 Fax:

# Chain of Custody Record

284230

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: 610.721.0583

| Client Contact | Project Manager: Keaton Conner | Site Contact: Greg Flasms | Date: | COC No |
|---|---|---|---|---|
| Company Name: Western Solutions | Tel/Fax: | Lab Contact: | Carrier: Fed Ex | 1 of 1 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: Black + Decker | ☐ 1 week | | | |
| Site: Hampstead, MD | ☐ 2 days | | | Job / SDG No. |
| PO # | ☐ 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) | VOA | c Notes |
|---|---|---|---|---|---|---|---|---|---|
| RFW-20 | 11/21/18 | 730 | G | W | 3 | | | | |
| RFW-21 | | 825 | | | 3 | | | | |
| HAMP-22 | | 910 | | | 3 | | | | |
| HAMP-23 | | 915 | | | 3 | | | | |
| Trip Blank | | | | | 2 | | | | |

680-161088 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

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

☐ 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:**

3.5/3.5

| Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd _____ Corr'd. _____ | Therm ID No. |
|---|---|---|---|
| Relinquished by: | Company: Western Solutions | Date/Time: 11/23/18 1600 | Received by: Fed Ex |
| Relinquished by: | Company: | Date/Time: | Received by: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: |

| Company | Date/Time |
|---|---|
| | |
| | |
| | 11.24.18 0940 |

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11/30/2018

# Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-161088-1
SDG Number: 680-161088-1

**Login Number: 161088**
**List Number: 1**
**Creator: Laughlin, Paul D**

**List Source: TestAmerica Savannah**

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

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

TestAmerica Job ID: 680-161088-1
SDG: 680-161088-1

## Laboratory: TestAmerica Savannah

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

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| Maryland | State Program | 3 | 250 | 12-31-18 |