

December 29, 2025

Mr. Daniel R. Lanners, P.E.  
Project Manager  
New York State Department of Environmental Conservation  
Division of Environmental Remediation, Remedial Bureau C  
625 Broadway, 12<sup>th</sup> Floor  
Albany, New York 12233-7014

via email: [daniel.lanners@dec.ny.gov](mailto:daniel.lanners@dec.ny.gov)

Subject: Former M. Argueso and Company, Inc.  
441 & 442 Waverly Avenue, Mamaroneck, NY  
Site #C360108  
October 2025 Groundwater Monitoring Report  
STERLING File #28012 (Task 995)

Dear Mr. Lanners,

Sterling Environmental Engineering P.C. (STERLING) performed groundwater monitoring at the subject site on October 13, 2025. Groundwater monitoring was conducted in accordance with the approved Site Management Plan (SMP) dated October 2013, and the modifications approved by the New York State Department of Environmental Conservation (NYSDEC) dated March 7, 2014, April 29, 2015, and September 9, 2021.

### **Scope & Background**

In June 2013, Hydrogen Release Compound (HRC) was injected into the subsurface surrounding wells GZ-22D and GZ-23D. Quarterly groundwater monitoring was conducted for one year after the injection was completed. Groundwater monitoring was reduced to semiannual in 2015 and to every nine months starting in 2021. This report presents the results of the October 2025 groundwater monitoring event, which included: groundwater gauging of eight groundwater monitoring wells, calculation of groundwater flow direction, and sampling of five groundwater monitoring wells for analysis of volatile organic compounds (VOC) by United States Environmental Protection Agency (USEPA) Method 8260.

### **Groundwater Flow Direction**

The estimated groundwater flow in the deep overburden hydrogeologic unit is to the north-northeast (Figure 1), which is consistent with historical conditions. The deep overburden groundwater elevation decreased an average of 0.52 feet compared to groundwater elevation measurements collected in December 2024.

### **Groundwater Monitoring**

Groundwater samples were collected from four onsite monitoring wells (GZ-21D, GZ-22D, GZ-23D, and B6-OWD) and one offsite monitoring well (OSMW-3). The locations of the groundwater monitoring wells are presented in Figure 2. All groundwater samples were analyzed for TCL VOCs via USEPA Method 8260. Groundwater samples were collected in accordance with the SMP and submitted to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut under chain-of-custody protocol for analysis.

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Samples were shipped in a cooler with ice and analyzed within applicable holding times. The Daily Field Report and Sampling Data Sheets are attached.

Results of the laboratory analysis for chlorinated VOCs (cVOC) and comparison to Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Water Quality Standards and Guidance Values are summarized in Table 1. The laboratory analytical report is attached.

### **Chlorinated Volatile Organic Compounds (cVOC)**

Since the HRC injections in June 2013, groundwater quality has improved in the wells closest to the injection. Concentrations of tetrachloroethylene (PCE) and trichloroethylene (TCE) have decreased and are remaining stable in monitoring wells GZ-21D, GZ-22D, and GZ-23D, while concentrations of degradation compounds have increased with some compounds remaining above standards. Concentrations of cVOCs have consistently remained above standards in upgradient offsite well OSMW-3, as well as onsite well B6-OWD. Graphs of concentrations versus time for each well are attached.

### **Other VOCs**

Benzene was detected above the groundwater standard of 1.0 µg/L in GZ-22D (1.6 µg/L), GZ-23D (11 µg/L), and B6-OWD (7.7 µg/L). O-Xylene and total xylenes were detected below the groundwater standard of 5.0 µg/L in GZ-23D (1.4 µg/L). Additionally, bromobenzene was detected below the groundwater standard of 5.0 µg/L in GZ-23D (2.8 µg/L).

The following sections detail data trends in each deep zone monitoring well based on data summarized in Table 1 and shown on the attached graphs:

### **Onsite Wells**

#### **GZ-21D**

Since 2014, concentrations of all VOCs steadily decreased through November 2017 to below standards with the exception of 1,2-Dichloroethane (1,2-DCA). Beginning in 2018, concentrations of the following cVOCs have increased to levels above standards: 1,2-DCA, and cis-1,2-Dichloroethene (cis-1,2-DCE). Total cVOCs decreased from the previous monitoring event in December 2024 and are lower than the highest levels in 2014. The concentrations of PCE and TCE remain below standards.

#### **GZ-22D**

PCE and TCE concentrations have decreased below standards since November 2014. All other cVOCs have decreased to levels below standards with the exception of 1,2-DCA, cis-1,2-DCE, trans-1,2-Dichloroethene (trans-1,2-DCE), and vinyl chloride (VC). Total cVOCs have remained relatively stable since March 2019.

#### **GZ-23D**

PCE and TCE concentrations have consistently been detected above the groundwater standard of 5 µg/L, from a high of 9,700 µg/L for PCE in 2009 and 1,600 µg/L for TCE in 2012 to near or below groundwater standards since November 2020. VC, a degradation product of PCE and TCE, increased to levels above groundwater standards following the 2013 injections and has consistently decreased or remained stable since late 2015, remaining above or at standards. The most recent VC concentration of 2.3 µg/L exceeds the groundwater standard of 2.0 µg/L. Cis-1,2-DCE concentrations are consistently detected above

standards. Trans-1,2-DCE was not detected in this sampling event, and 1,2-DCA was detected at 0.89 µg/L, above the 0.6 µg/L standard.

#### B6-OWD

Following an initial increase in cVOC concentrations immediately after the injections, all cVOCs decreased to below standards from November 2014 through June 2017. Since November 2017, PCE, TCE, 1,2-DCA, cis-1,2-DCE, and trans-1,2-DCE concentrations have increased above standards. Vinyl Chloride has remained above the groundwater standard of 2.0 µg/L since November 2021.

#### Offsite Wells

Offsite wells OSMW-3 and OSMW-4 are located upgradient of the treatment zone to determine upgradient groundwater quality.

#### OSMW-3

PCE, TCE, 1,2-DCA, and cis-1,2-DCE concentrations in this well have consistently remained above groundwater standards. PCE has displayed a decrease in concentration since December 2019, and has remained relatively stable since August 2022. Trans-1,2-DCE has been detected above the groundwater standard of 5 µg/L since August 2022. The concentration of VC remains below groundwater standards.

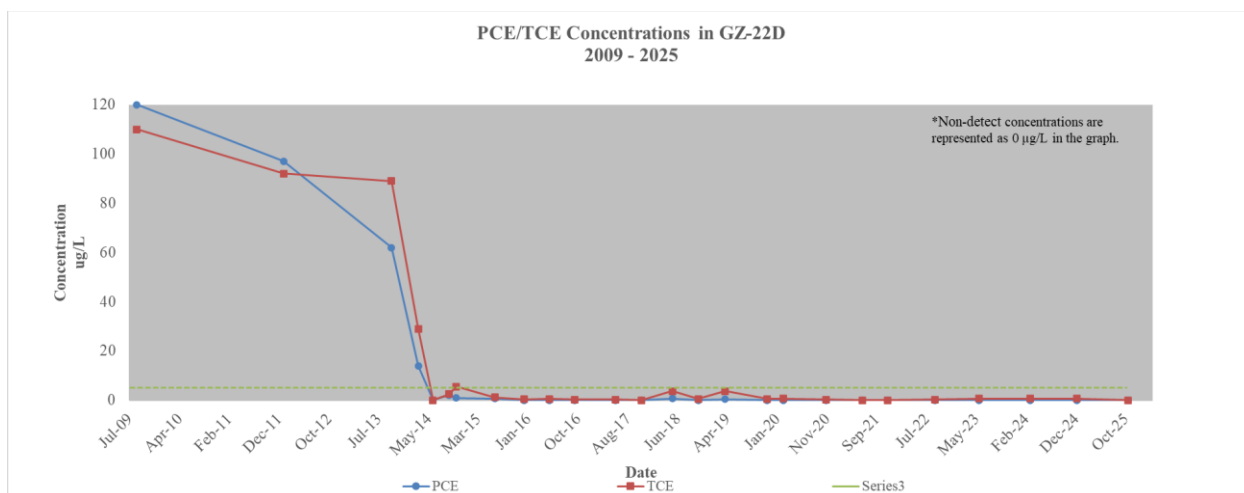
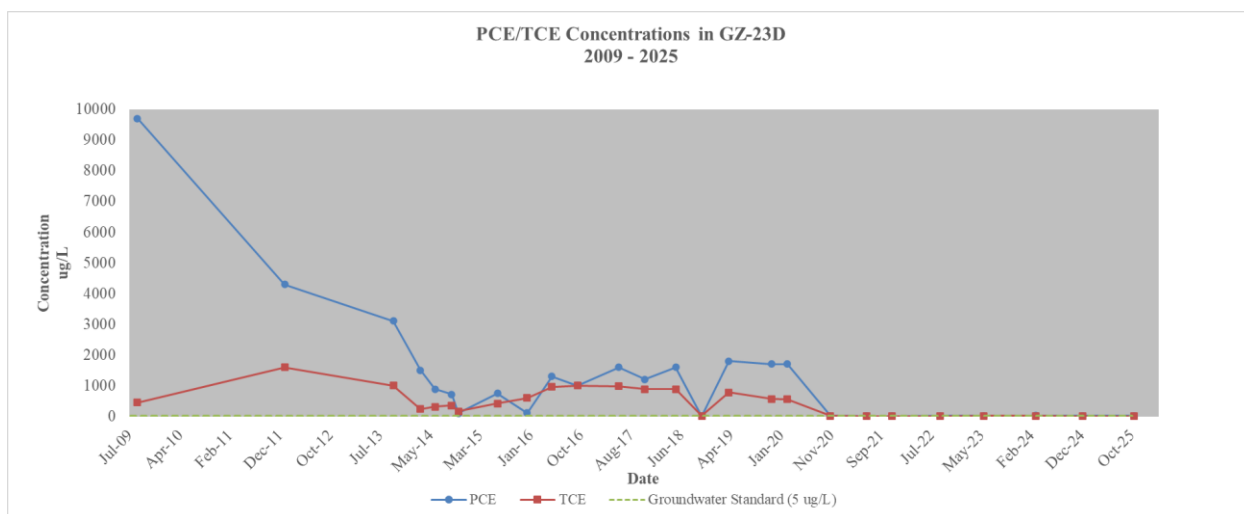
#### OSMW-4

All cVOCs have been below groundwater standards from March 2014 to June 2021. OSMW-4 has been removed from the monitoring program as documented in the September 9, 2021 modification letter from NYSDEC.

#### Monitoring Well Data Trends

The graphs below depict PCE and TCE concentrations in monitoring wells GZ-22D and GZ-23D over time (2009 – 2025). Initially, monitoring wells GZ-22D and GZ-23D contained the highest concentrations of PCE and TCE in onsite groundwater and were therefore selected for remediation.

Additional data trend graphs for all monitoring wells sampled are attached, showing concentrations levels over time for the cVOCs that have been consistently detected in these wells.



## Conclusions and Recommendations

- Since the HRC injections in June 2013, groundwater quality has improved in the wells closest to the injection (i.e., GZ-22D and GZ-23D). Concentrations of PCE and TCE, the original two primary contaminants of concern, have decreased and are remaining stable in monitoring wells GZ-21D, GZ-22D, and GZ-23D, while concentrations of degradation compounds have increased with some compounds remaining above standards. In the remaining onsite monitoring well, B6-OWD, all cVOCs decreased to below standards from November 2014 through June 2017. Since November 2017, concentrations of PCE, TCE, 1,2-DCA, cis-1,2-DCE, trans-1,2-DCE, and VC have increased above standards. Similarly, in the upgradient offsite well OSMW-3, concentrations of PCE, TCE, 1,2-DCA, and cis-1,2-DCE have consistently remained above standards. NYSDEC has requested that additional remedial actions be evaluated for concentrations of cVOCs remaining above standards. If the source of the recent increases in onsite cVOC concentrations since November 2017 is from an upgradient source, the additional remedial action would be to target the upgradient offsite contamination. Under the COC and the Brownfield Agreement, the owner is not responsible for remediation of offsite contamination. In response to NYSDEC's request, STERLING is currently evaluating the data and will be submitting a work plan under separate cover if it is determined that the increase in cVOC concentrations in B6-OWD is from an onsite source requiring remediation.

- The next sampling event is scheduled in or before June 2026.
- Emerging contaminants (i.e., PFAS compounds and 1,4-Dioxane) must be sampled every three years and were last sampled in May 2023; therefore, emerging contaminants will next be sampled during the June 2026 event.
- A Periodic Review Report (PRR) is due every two years. The last PRR period was submitted in February 2024 for a reporting period through January 22, 2024; therefore, the next PRR will be submitted in February 2026 for a reporting period through January 22, 2026.

Please contact me should you have any questions.

Very truly yours,  
STERLING ENVIRONMENTAL ENGINEERING, P.C.



Andrew M. Millspaugh, P.E.  
Vice President

[andrew.millspaugh@sterlingenvironmental.com](mailto:andrew.millspaugh@sterlingenvironmental.com)

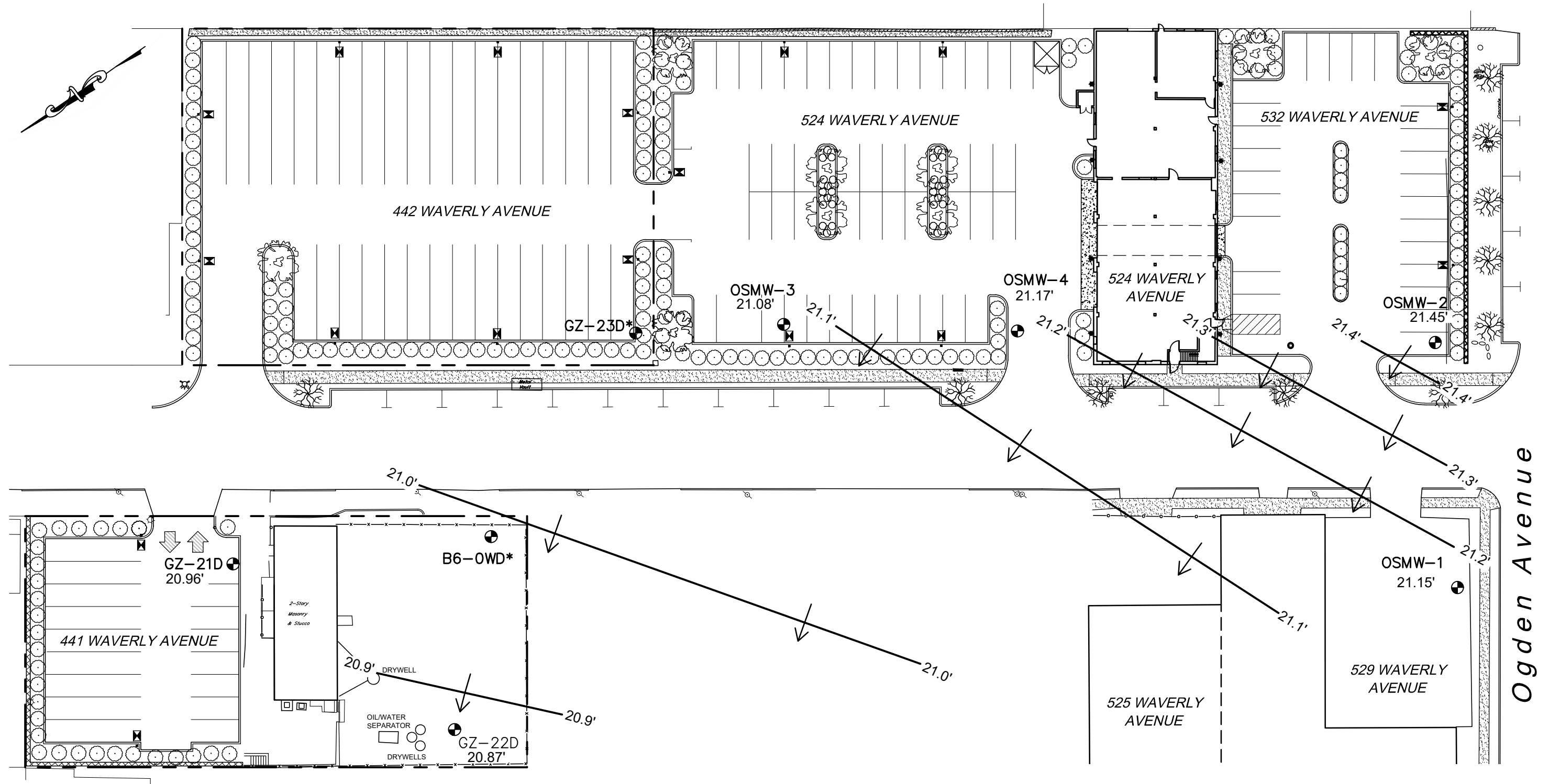
Email

Attachments

cc: T.J. Milo, New Waverly Avenue Associates, LLC  
Kevin Young, Young Sommer, LLC  
Amen Omorogbe, P.E., NYSDEC

## **FIGURES**

S:\Sterling\Projects\2008 Projects\Waverly Avenue (441 & 442) - 28012\Drawings-Maps-Figures\ACAD\28012127\_F-1 - GW Elev 10-13-2025.dwg PAUL.SCHOLAR 10/27/2025 3:20 PM



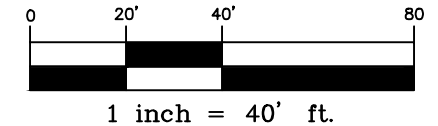
LEGEND:

- GZ-22D 20.87' MONITORING WELL WITH CORRESPONDING GROUNDWATER ELEVATION
- 21.8' GROUNDWATER CONTOUR
- ← GROUNDWATER FLOW DIRECTION (DASHED WHERE INFERRED)
- - - SITE BOUNDARY (441 & 442 WAVERLY AVENUE)
- LIGHT POLE
- ▨ CONCRETE SIDEWALK
- x - x - FENCE

| TOTAL cVOCs (µg/L) |                                     |              |
|--------------------|-------------------------------------|--------------|
| WELL ID            | HIGHEST CONCENTRATION PRIOR TO 2013 | OCTOBER 2025 |
| B6-OWD             | 615.70                              | 4,347.0      |
| GZ-21D             | 524.60                              | 128.3        |
| GZ-22D             | 260.40                              | 95.1         |
| GZ-23D             | 10,178.5                            | 36.49        |
| OSMW-3             | 900.10                              | 403.6        |

\* DEPTH TO GROUNDWATER MEASUREMENT NOT CONSIDERED REPRESENTATIVE OF THE GROUNDWATER FLOW DIRECTION.

BASE MAP PROVIDED BY SITE DESIGN CONSULTANTS, DATED FEBRUARY 22, 2010.



**STERLING**

Sterling Environmental Engineering, P.C.  
24 Wade Road • Latham, New York 12110

GROUNDWATER CONTOUR MAP  
OCTOBER 13, 2025

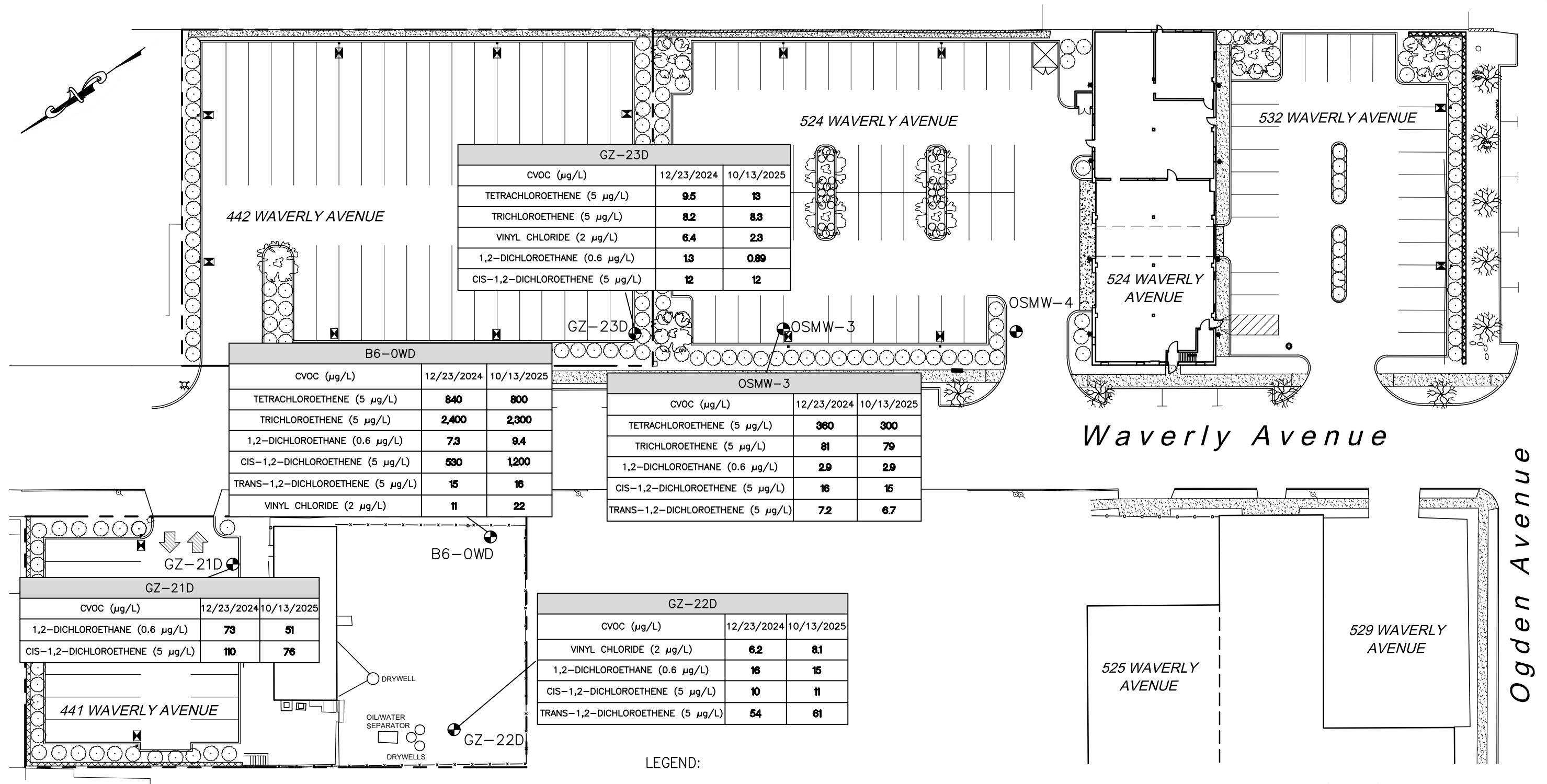
SITE# C360108

**NEW WAVERLY AVENUE ASSOCIATES, LLC**

V/T OF MAMARONECK

WESTCHESTER CO., N.Y.

PROJ. No.: 28012 | DATE: 10/27/2025 | SCALE: 1" = 40' | DWG. NO. 28012127 | FIGURE 1



**STERLING**

Sterling Environmental Engineering, P.C.  
24 Wade Road • Latham, New York 12110

MONITORING LOCATION MAP WITH EXCEEDANCES  
OCTOBER 13, 2025

SITE# C360108  
**NEW WAVERLY AVENUE ASSOCIATES, LLC**  
V/T OF MAMARONECK WESTCHESTER CO., N.Y.

PROJ. No.: 28012 | DATE: 10/27/2025 | SCALE: 1" = 40' | DWG. NO. 28012128 | FIGURE 2



## **TABLES**

Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | GZ-21D       |            |            |              |            |            |          |            |           |           |           |           |           |            |            |
|------------------------------------------------|-------------------------|--------------|------------|------------|--------------|------------|------------|----------|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Unit                                           | µg/L                    | µg/L         |            |            |              |            |            |          |            |           |           |           |           |           |            |            |
| Sample Date                                    |                         | 08/20/09     | 01/11/12   | 10/15/13   | 03/24/14     | 06/18/14   | 09/24/14   | 11/05/14 | 06/23/15   | 12/16/15  | 05/12/16  | 10/12/16  | 06/13/17  | 11/14/17  | 05/16/18   | 10/18/18   |
| <i>Chlorinated Volatile Organic Compounds:</i> |                         |              |            |            |              |            |            |          |            |           |           |           |           |           |            |            |
| 1,1,1-Trichloroethane                          | 5.0                     | ---          | ---        | <5.0       | <5.0         | <5.0       | <1.0       | <1.0     | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <0.5       | <0.5      | <0.5      | <0.5      | <0.5      | <0.5      | <2.0       | <0.5       |
| 1,1,2-Trichloroethane                          | 1.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <1.5       | <1.5      | <1.5      | <1.5      | <1.5      | <1.5      | <6.0       | <1.5       |
| 1,1-Dichloroethane                             | 5.0                     | <5.0         | <5.0       | <5.0       | <1.0         | <5.0       | <1.0       | <1.0     | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| 1,1-Dichloroethene                             | 5.0                     | <5.0         | <5.0       | <5.0       | <1.0         | <5.0       | <1.0       | <1.0     | <0.50      | <0.50     | <0.50     | <0.50     | <0.50     | <0.50     | <2.0       | <0.5       |
| 1,2-Dichloroethane                             | 0.6                     | <b>170 D</b> | <b>5.3</b> | <5.0       | <b>190 D</b> | <b>190</b> | <b>4.1</b> | 0.4 J    | <b>54</b>  | <b>55</b> | <b>28</b> | <b>48</b> | <b>11</b> | <b>11</b> | <b>140</b> | <b>52</b>  |
| cis-1,2-Dichloroethene                         | 5.0                     | <b>270 D</b> | <b>10</b>  | <b>7.6</b> | <b>310 D</b> | <b>290</b> | <b>5.6</b> | <1.0     | <b>100</b> | <2.5      | 0.83 J    | 3.5       | <2.5      | 1.7 J     | <b>270</b> | <b>120</b> |
| trans-1,2-Dichloroethene                       | 5.0                     | <b>6.6</b>   | <5.0       | <5.0       | 3.8          | <5.0       | <1.0       | <1.0     | 0.99 J     | 0.86 J    | <2.5      | 0.81 J    | <2.5      | <2.5      | 3.4 J      | 2.4 J      |
| 1,2-Dichloropropane                            | 1.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <1.0       | <1.0      | <1.0      | <1.0      | <1.0      | <1.0      | <4.0       | <1.0       |
| Bromochloromethane                             | 5.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <b>10</b>  |
| Bromodichloromethane                           | 50                      | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <0.5       | <0.5      | <0.5      | <0.5      | <0.5      | <0.5      | <2.0       | <0.5       |
| Carbon Tetrachloride                           | 5.0                     | ---          | ---        | <5.0       | <5.0         | <5.0       | <1.0       | <1.0     | <0.5       | <0.5      | <0.5      | <0.5      | <0.5      | <0.5      | <2.0       | <0.5       |
| Chloroethane                                   | 5.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| Chloroform                                     | 7.0                     | ---          | ---        | <5.0       | <5.0         | <5.0       | <1.0       | <1.0     | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| Chloromethane                                  | 5.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| cis-1,3-Dichloropropene                        | 0.4                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <0.5       | <0.5      | <0.5      | <0.5      | <0.5      | <0.5      | <2.0       | <0.5       |
| Dibromochloromethane                           | 50                      | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <0.5       | <0.5      | <0.5      | <0.5      | <0.5      | <0.5      | <2.0       | 1.7 J      |
| Dichlorodifluoromethane                        | 5.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <5.0       | <5.0      | <5.0      | <5.0      | <5.0      | <5.0      | <20        | <5.0       |
| Freon-113                                      | 5.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| Methylene Chloride                             | 5.0                     | ---          | ---        | <5.0       | <5.0         | <b>5.4</b> | <1.0       | <1.0     | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| Trichlorofluoromethane                         | 5.0                     | ---          | ---        | ---        | ---          | ---        | ---        | ---      | <2.5       | <2.5      | <2.5      | <2.5      | <2.5      | <2.5      | <10        | <2.5       |
| Tetrachloroethene                              | 5.0                     | <b>41</b>    | 1.7 J      | <5.0       | <b>9.8</b>   | 3.4 J      | 0.89 J     | 1.0      | 0.18 J     | <0.50     | <0.50     | <0.50     | <0.50     | 0.19 J    | <2.0       | <0.5       |
| Trichloroethene                                | 5.0                     | <b>33</b>    | 0.58 J     | <5.0       | <b>7.8</b>   | <b>15</b>  | 0.82 J     | 2.3      | <0.50      | <0.50     | <0.50     | <0.50     | <0.50     | <0.50     | <2.0       | <0.5       |
| Vinyl chloride                                 | 2.0                     | <b>4 J</b>   | <5.0       | <5.0       | <b>4.3</b>   | <5.0       | <1.0       | <1.0     | 1.7        | <1.0      | 0.43 J    | <2.3      | <1.0      | 0.59 J    | <b>19</b>  | <b>12</b>  |
| <b>TOTAL CVOCs</b>                             |                         | 524.6        | 17.58      | 7.6        | 525.7        | 503.8      | 11.41      | 3.7      | 156.87     | 55.9      | 29.26     | 52.31     | 11        | 13.48     | 432.4      | 198.1      |

Notes:

**BOLD** Indicates exceedance of groundwater standard.

\* Groundwater Standards are obtained from Title 6 Part 703.5 and *Guidance Values* (GV) are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".

< Indicates the parameter was not detected at or above laboratory's reporting limit shown.

NA Not Analyzed.

--- No standard or not applicable.

**Laboratory Qualifiers:**

D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.

J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

**Data Usability Summary Report (DUSR) Qualifiers:**

j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.

UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard <sup>a</sup> | GZ-21 D cont. |            |           |              |            |            |            |              |            |            |           | DUP        | DUP        | DUP        | DUP        | DUP        | DUP       |
|------------------------------------------------|-------------------------------------|---------------|------------|-----------|--------------|------------|------------|------------|--------------|------------|------------|-----------|------------|------------|------------|------------|------------|-----------|
| Unit                                           | µg/L                                | µg/L          |            |           |              |            |            |            |              |            |            |           | µg/L       | µg/L       | µg/L       | µg/L       | µg/L       | µg/L      |
| Sample Date                                    |                                     | 03/27/19      | 12/04/19   | 03/09/20  | 11/18/20     | 06/17/21   | 11/19/21   | 08/31/22   | 05/17/23     | 03/21/24   | 12/23/24   | 10/13/25  | 06/18/14   | 10/12/16   | 12/04/19   | 03/21/24   | 12/23/24   | 10/13/25  |
| <b>Chlorinated Volatile Organic Compounds:</b> |                                     |               |            |           |              |            |            |            |              |            |            |           |            |            |            |            |            |           |
| 1,1,1-Trichloroethane                          | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 U     | < 1.0     | <4.0       | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| 1,1,2,2-Tetrachloroethane                      | 5.0                                 | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | <0.5         | <0.5       | <0.5 U     | < 0.50    | ---        | <0.5       | <0.5       | <0.5       | <0.5 U     | < 0.50    |
| 1,1,2-Trichloroethane                          | 1.0                                 | <3.8          | <1.5       | <1.5      | <1.5         | <1.5       | <3         | <3         | <1.5         | <1.5       | <1.5 U     | < 1.0     | ---        | <1.5       | <1.5       | <1.5       | <1.5 U     | < 1.0     |
| 1,1-Dichloroethane                             | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 U     | < 1.0     | <4.0       | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| 1,1-Dichloroethene                             | 5.0                                 | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | 0.41 J       | <0.5       | <0.5 U     | < 1.0     | <4.0       | <0.50      | <0.5       | 0.17 J     | <0.5 U     | < 1.0     |
| 1,2-Dichloroethane                             | 0.6                                 | <b>110</b>    | <b>74</b>  | <b>77</b> | <b>110</b>   | <b>5.1</b> | <b>110</b> | <b>130</b> | <b>99</b>    | <b>87</b>  | <b>73</b>  | <b>51</b> | <b>190</b> | <b>56</b>  | <b>74</b>  | <b>87</b>  | <b>75</b>  | <b>49</b> |
| cis-1,2-Dichloroethene                         | 5.0                                 | <b>230</b>    | <b>110</b> | <b>91</b> | <b>140</b>   | <b>12</b>  | <b>190</b> | <b>220</b> | <b>260 J</b> | <b>150</b> | <b>110</b> | <b>76</b> | <b>350</b> | 2.9        | <b>110</b> | <b>150</b> | <b>120</b> | <b>76</b> |
| trans-1,2-Dichloroethene                       | 5.0                                 | 2.6 J         | 1.9 J      | 1.6 J     | 1.9 J        | <2.5       | 2.4 J      | 2.6 J      | 3.2          | 1.7 J      | 1.9 J      | 1.3       | <4.0       | 0.75 J     | 1.7 J      | 1.9 J      | 1.8 J      | 1.1       |
| 1,2-Dichloropropane                            | 1.0                                 | <2.5          | <1.0       | <1.0      | <1.0         | <1         | <2         | <2         | <1           | <1         | <1 U       | < 1.0     | ---        | <1.0       | <1.0       | <1         | <1 U       | < 1.0     |
| Bromochloromethane                             | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 U     | < 1.0     | ---        | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| Bromodichloromethane                           | 50                                  | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | <0.5         | <0.5       | <0.5 U     | < 0.50    | ---        | <0.5       | <0.5       | <0.5       | <0.5 U     | < 0.50    |
| Carbon Tetrachloride                           | 5.0                                 | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | <0.5         | <0.5       | <0.5 U     | < 1.0     | <4.0       | <0.5       | <0.5       | <0.5       | <0.5 U     | < 1.0     |
| Chloroethane                                   | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | 1.8 J      | <2.5         | <2.5       | <2.5 U     | < 1.0     | ---        | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| Chloroform                                     | 7.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 U     | < 1.0     | <4.0       | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| Chloromethane                                  | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 UJ    | < 1.0     | ---        | <2.5       | <2.5       | <2.5       | <2.5 UJ    | < 1.0     |
| cis-1,3-Dichloropropene                        | 0.4                                 | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | <0.5         | <0.5       | <0.5 U     | < 0.40    | ---        | <0.5       | <0.5       | <0.5       | <0.5 U     | < 0.40    |
| Dibromochloromethane                           | 50                                  | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | <0.5         | <0.5       | <0.5 U     | < 0.50    | ---        | <0.5       | <0.5       | <0.5       | <0.5 U     | < 0.50    |
| Dichlorodifluoromethane                        | 5.0                                 | <12           | <5         | <5        | <5           | <5         | <10        | <10        | <5           | <5         | <5 UJ      | < 1.0     | ---        | <5.0       | <5         | <5         | <5 U       | < 1.0     |
| Freon-113                                      | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 U     | < 1.0     | ---        | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| Methylene Chloride                             | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 U     | < 1.0     | <4.0       | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| Trichlorofluoromethane                         | 5.0                                 | <6.2          | <2.5       | <2.5      | <2.5         | <2.5       | <5         | <5         | <2.5         | <2.5       | <2.5 U     | < 1.0     | ---        | <2.5       | <2.5       | <2.5       | <2.5 U     | < 1.0     |
| Tetrachloroethene                              | 5.0                                 | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | <0.5         | 0.2 J      | <0.5 U     | < 1.0     | 2.9 J      | <0.50      | <0.5       | 0.19 J     | 0.23 J     | < 1.0     |
| Trichloroethene                                | 5.0                                 | <1.2          | <0.5       | <0.5      | <0.5         | <0.5       | <1         | <1         | <0.5         | 0.18 J     | <0.5 U     | < 1.0     | <b>13</b>  | <0.50      | <0.5       | 0.18 J     | <0.5 U     | < 1.0     |
| Vinyl chloride                                 | 2.0                                 | <b>16</b>     | <b>5</b>   | 1.4       | <b>2.1 J</b> | <1         | <b>6.7</b> | <b>5.7</b> | <b>14</b>    | <b>4.4</b> | 1.7        | < 1.0     | <4.0       | <b>2.8</b> | <b>4.8</b> | <b>4.3</b> | 1.7        | < 1.0     |
| <b>TOTAL CVOCs</b>                             |                                     | 358.6         | 190.9      | 171.0     | 254.0        | 17.1       | 309.1      | 360.1      | 376.6        | 243.5      | 186.6      | 128.3     | 555.9      | 62.45      | 190.5      | 243.74     | 198.73     | 126.1     |

Notes:

- BOLD** Indicates exceedance of groundwater standard.  
 \* Groundwater Standards are obtained from Title 6 Part 703.5 and *Guidance Values* (GV) are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".  
 < Indicates the parameter was not detected at or above laboratory's reporting limit shown.  
 NA Not Analyzed.  
 --- No standard or not applicable.

Laboratory Qualifiers:

- D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.  
 J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

Data Usability Summary Report (DUSR) Qualifiers:

- j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.  
 U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.  
 J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.  
 J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.  
 UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                               | Water Quality Standard* | GZ-22D   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------------------------------------|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unit                                    | µg/L                    | µg/L     |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Sample Date                             |                         | 08/19/09 | 01/11/12 | 10/15/13 | 03/24/14 | 06/18/14 | 09/24/14 | 11/05/14 | 06/23/15 | 12/16/15 | 05/12/16 | 10/12/16 | 06/13/17 | 11/14/17 | 05/16/18 | 10/18/18 |
| Chlorinated Volatile Organic Compounds: |                         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 1,1,1-Trichloroethane                   | 5.0                     | ---      | ---      | <5.0     | <25      | <25      | <1.0     | <1.0     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| 1,1,2,2-Tetrachloroethane               | 5.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     |
| 1,1,2-Trichloroethane                   | 1.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     |
| 1,1-Dichloroethane                      | 5.0                     | <5.0     | <5.0     | <5.0     | <25      | <25      | <1.0     | <1.0     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| 1,1-Dichloroethene                      | 5.0                     | <5.0     | <5.0     | <5.0     | <25      | <25      | <1.0     | <1.0     | <0.50    | <0.50    | <0.50    | <0.50    | <0.50    | <0.50    | <0.50    | <0.50    |
| 1,2-Dichloroethane                      | 0.6                     | 22       | 17       | 16       | 24 J     | <25      | 1.3      | 0.64 J   | 5.4      | 14       | 15       | 18       | 18       | 16       | 21       | 9.6      |
| cis-1,2-Dichloroethene                  | 5.0                     | 8.4      | 6.5      | 12       | 110      | <25      | 1.9      | 1.7      | 4.5      | 6.8      | 5.2      | 3.5      | 4.2      | 2.4 J    | 12       | 7        |
| trans-1,2-Dichloroethene                | 5.0                     | <5.0     | 1.3 J    | 4.2 J    | <25      | <25      | 5.8      | 5.5      | 9.4      | 21       | 28       | 40       | 50       | 54       | 66       | 11       |
| 1,2-Dichloropropane                     | 1.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <1.0     | <1.0     | <1.0     | <1.0     | <1.0     | <1.0     | <1.0     | <1.0     |
| Bromochloromethane                      | 5.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| Bromodichloromethane                    | 50                      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     |
| Carbon Tetrachloride                    | 5.0                     | ---      | ---      | <5.0     | <25      | <25      | <1.0     | <1.0     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     |
| Chloroethane                            | 5.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| Chloroform                              | 7.0                     | ---      | ---      | <5.0     | <25      | <25      | <1.0     | <1.0     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| Chloromethane                           | 5.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| cis-1,3-Dichloropropene                 | 0.4                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     |
| Dibromochloromethane                    | 50                      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     |
| Dichlorodifluoromethane                 | 5.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <5.0     | <5.0     | <5.0     | <5.0     | <5.0     | <5.0     | <0.5     | <5.0     |
| Freon-113                               | 5.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| Methylene Chloride                      | 5.0                     | ---      | ---      | <5.0     | <25      | 19 J     | <1.0     | <1.0     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| Trichlorofluoromethane                  | 5.0                     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     |
| Tetrachloroethene                       | 5.0                     | 120      | 97       | 62       | 14 J     | <25      | 2.1      | 0.88 J   | 0.69     | <0.50    | <0.50    | <0.50    | <0.50    | <0.50    | 0.62 J-  | <0.50    |
| Trichloroethene                         | 5.0                     | 110      | 92       | 89       | 29       | <25      | 2.5      | 5.5      | 1.2      | 0.33 J   | 0.46 J   | 0.29 J   | 0.2 J    | <0.50    | 3.7      | 0.52     |
| Vinyl chloride                          | 2.0                     | <5.0     | <5.0     | <5.0     | <25      | <25      | <1.0     | <1.0     | 1.8      | 6.5      | 5.7      | 3.1      | 3.8 j    | 2.9      | 5.9      | <1.0     |
| TOTAL CVOCs                             |                         | 260.4    | 213.8    | 183.2    | 177      | 19       | 13.6     | 14.22    | 22.99    | 48.6     | 54.36    | 64.89    | 76.2     | 75.3     | 109.22   | 28.12    |

**Notes:**

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< Indicates the parameter was not detected at or above laboratory's reporting limit shown.

NA Not Analyzed.

--- No standard or not applicable.

**Laboratory Qualifiers:**

D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.

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**Data Usability Summary Report (DUSR) Qualifiers:**

j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

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Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                               | Water Quality Standard* | GZ-22D cont |          |          |          |          |          |          |          |          |          |          | DUP      | DUP      | DUP      | DUP      |
|-----------------------------------------|-------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unit                                    | µg/L                    | µg/L        |          |          |          |          |          |          |          |          |          |          | ug/L     | ug/L     | ug/L     | ug/L     |
| Sample Date                             |                         | 03/27/19    | 12/04/19 | 03/09/20 | 11/18/20 | 06/17/21 | 11/19/21 | 08/31/22 | 05/17/23 | 03/21/24 | 12/23/24 | 10/13/25 | 11/19/21 | 11/18/20 | 03/24/14 | 03/09/20 |
| Chlorinated Volatile Organic Compounds: |                         |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 1,1,1-Trichloroethane                   | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | <25      | 2.5      |
| 1,1,2,2-Tetrachloroethane               | 5.0                     | <0.5        | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5 U   | <0.50    | <0.5     | <0.5     | ---      | 0.5      |
| 1,1,2-Trichloroethane                   | 1.0                     | <1.5        | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | <1.5 U   | <1.0     | <1.5     | <1.5     | ---      | <1.5     |
| 1,1-Dichloroethane                      | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | <25      | 2.5      |
| 1,1-Dichloroethene                      | 5.0                     | <0.5        | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5 U   | <1.0     | <0.5     | <0.5     | <25      | 0.5      |
| 1,2-Dichloroethane                      | 0.6                     | 20          | 18       | 21       | 19       | 20       | 20       | 17       | 16       | 15       | 16       | 15       | 20       | 19       | 22 J     | 20       |
| cis-1,2-Dichloroethene                  | 5.0                     | 17          | 5.7      | 4.7      | 8.6      | 8.4      | 10       | 8.8      | 13       | 10       | 10       | 11       | 9.7      | 7.9      | 100      | 4.3      |
| trans-1,2-Dichloroethene                | 5.0                     | 75          | 82       | 81       | 78       | 71       | 86       | 68       | 64       | 47       | 54       | 61       | 87       | 78       | <25      | 77       |
| 1,2-Dichloropropane                     | 1.0                     | <1          | <1       | <1       | <1       | <1       | <1       | <1       | <1       | <1       | <1 U     | <1.0     | <1       | <1       | ---      | <1       |
| Bromochloromethane                      | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | ---      | 2.5      |
| Bromodichloromethane                    | 50                      | <0.5        | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5 U   | <0.50    | <0.5     | <0.5     | ---      | 0.5      |
| Carbon Tetrachloride                    | 5.0                     | <0.5        | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5 U   | <1.0     | <0.5     | <0.5     | <25      | 0.5      |
| Chloroethane                            | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | ---      | 2.5      |
| Chloroform                              | 7.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | <25      | 2.5      |
| Chloromethane                           | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 UJ  | <1.0     | <2.5     | <2.5     | ---      | 2.5      |
| cis-1,3-Dichloropropene                 | 0.4                     | <0.5        | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5 U   | <0.40    | <0.5     | <0.5     | ---      | <0.5     |
| Dibromochloromethane                    | 50                      | <0.5        | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5 U   | <0.50    | <0.5     | <0.5     | ---      | 0.5      |
| Dichlorodifluoromethane                 | 5.0                     | <5          | <5       | <5       | <5       | <5       | <5       | <5       | <5       | <5       | <5 U     | <1.0     | <5       | <5       | ---      | <5       |
| Freon-113                               | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | ---      | 2.5      |
| Methylene Chloride                      | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | <25      | 2.5      |
| Trichlorofluoromethane                  | 5.0                     | <2.5        | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | <2.5 U   | <1.0     | <2.5     | <2.5     | ---      | 2.5      |
| Tetrachloroethene                       | 5.0                     | 0.4 J       | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5     | <0.5 U   | <1.0     | <0.5     | <0.5     | 21 J     | 0.5      |
| Trichloroethene                         | 5.0                     | 3.6         | 0.5      | 0.23 J   | 0.56     | <0.5     | 0.39 J   | 0.26 J   | 0.69     | 0.58     | 0.57     | <1.0     | 0.56     | 0.48 J   | 34       | 0.32 J   |
| Vinyl chloride                          | 2.0                     | 8.3         | 5.8      | 6.7      | 5.6      | 8.5      | 7.9      | 8.5      | 7.9      | 9        | 6.2      | 8.1      | 7.9      | 5.7      | <25      | 7.1      |
| TOTAL CVOCs                             |                         | 124.3       | 112.0    | 113.63   | 111.76   | 107.9    | 124.3    | 102.6    | 101.6    | 81.6     | 86.8     | 95.1     | 125.2    | 111.1    | 177.0    | 108.72   |

Notes:

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\* Groundwater Standards are obtained from Title 6 Part 703.5 and *Guidance Values* (GV) are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".

< Indicates the parameter was not detected at or above laboratory's reporting limit shown.

NA Not Analyzed.

--- No standard or not applicable.

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Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | GZ-23D         |                |              |                |              |              |              |              |                |              |              |              |                |              |              |
|------------------------------------------------|-------------------------|----------------|----------------|--------------|----------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|----------------|--------------|--------------|
| Unit                                           | µg/L                    | µg/L           |                |              |                |              |              |              |              |                |              |              |              |                |              |              |
| Sample Date                                    |                         | 08/20/09       | 01/11/12       | 10/15/13     | 03/25/14       | 06/19/14     | 09/25/14     | 11/05/14     | 06/24/15     | 12/17/15       | 05/12/16     | 10/12/16     | 06/13/17     | 11/14/17       | 05/16/18     | 10/18/18     |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |                |                |              |                |              |              |              |              |                |              |              |              |                |              |              |
| 1,1,1-Trichloroethane                          | 5.0                     | ---            | ---            | <100         | <40            | <20          | <20          | <20          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <5.0         | <10            | <5.0         | <12          | <10          | <10            | <5.0         | <2.5         |
| 1,1,2-Trichloroethane                          | 1.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <15          | <30            | <15          | <38          | <30          | <30            | <15          | <7.5         |
| 1,1-Dichloroethane                             | 5.0                     | <5.0           | <5.0           | <100         | <1.0           | <20          | <20          | <20          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| 1,1-Dichloroethene                             | 5.0                     | <b>5.5</b>     | 1.6 J          | <100         | 1.7            | <20          | <20          | <20          | 1.9 J        | <10            | <5.0         | <12          | <10          | <10            | <5.0         | <2.5         |
| 1,2-Dichloroethane                             | 0.6                     | <b>13</b>      | <b>9</b>       | <100         | <b>7.8</b>     | <b>6.6 J</b> | <b>7.6 J</b> | <20          | <b>3.6 J</b> | <10            | <b>4.3 J</b> | <b>4.2 J</b> | <b>3.9 J</b> | <b>3.3 D,J</b> | <b>1.8 J</b> | <b>1.6 J</b> |
| cis-1,2-Dichloroethene                         | 5.0                     | <b>10</b>      | <b>780 D</b>   | <b>380</b>   | <b>2,200 D</b> | <b>930</b>   | <b>1,100</b> | <b>1,100</b> | <b>780</b>   | <b>1,000 j</b> | <b>400</b>   | <b>320</b>   | <b>280</b>   | <b>220 D</b>   | <b>240</b>   | <b>660</b>   |
| trans-1,2-Dichloroethene                       | 5.0                     | <5.0           | <b>9.1</b>     | <100         | <b>41</b>      | <20          | <20          | <b>18 J</b>  | <b>22 J</b>  | <b>37 J,j</b>  | <b>32</b>    | <b>36 J</b>  | <b>22 J</b>  | <b>18 D,J</b>  | <b>19 J</b>  | <b>10 J</b>  |
| 1,2-Dichloropropane                            | 1.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <10          | <20            | <10          | <25          | <20          | <20            | <10          | <5.0         |
| Bromochloromethane                             | 5.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| Bromodichloromethane                           | 50                      | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <5.0         | <10            | <5.0         | <12          | <10          | <10            | <5.0         | <2.5         |
| Carbon Tetrachloride                           | 5.0                     | ---            | ---            | <100         | <40            | <20          | <20          | <20          | <5.0         | <10            | <5.0         | <12          | <10          | <10            | <5.0         | <2.5         |
| Chloroethane                                   | 5.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| Chloroform                                     | 7.0                     | ---            | ---            | <100         | <40            | <20          | <20          | <20          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| Chloromethane                                  | 5.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| cis-1,3-Dichloropropene                        | 0.4                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <5.0         | <10            | <5.0         | <12          | <10          | <10            | <5.0         | <2.5         |
| Dibromochloromethane                           | 50                      | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <5.0         | <10            | <5.0         | <12          | <10          | <10            | <5.0         | <2.5         |
| Dichlorodifluoromethane                        | 5.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <50          | <100           | <50          | <120         | <100         | <100           | <50          | <25          |
| Freon-113                                      | 5.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| Methylene Chloride                             | 5.0                     | ---            | ---            | <100         | <40            | <20          | <20          | <20          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| Trichlorofluoromethane                         | 5.0                     | ---            | ---            | ---          | ---            | ---          | ---          | ---          | <25          | <50            | <25          | <62          | <50          | <50            | <25          | <12          |
| Tetrachloroethene                              | 5.0                     | <b>9,700 D</b> | <b>4,300 D</b> | <b>3,100</b> | <b>1,500 D</b> | <b>880</b>   | <b>720</b>   | <b>94</b>    | <b>750</b>   | <b>110 j</b>   | <b>1,300</b> | <b>1,000</b> | <b>1,600</b> | <b>1,200 D</b> | <b>1,600</b> | <b>7.6</b>   |
| Trichloroethene                                | 5.0                     | <b>450 D,J</b> | <b>1,600 D</b> | <b>1,000</b> | <b>240 D</b>   | <b>310</b>   | <b>350</b>   | <b>160</b>   | <b>420</b>   | <b>600 j</b>   | <b>960</b>   | <b>1,000</b> | <b>980</b>   | <b>890 D</b>   | <b>880</b>   | <b>16</b>    |
| Vinyl chloride                                 | 2.0                     | <5.0           | 1.2 J          | <b>28 J</b>  | <b>200 D</b>   | <b>250</b>   | <b>390</b>   | <b>320</b>   | <b>230 j</b> | <20            | <b>200</b>   | <b>82</b>    | <b>72</b>    | <b>58 D</b>    | <b>40</b>    | <b>96</b>    |
| <b>TOTAL CVOCs</b>                             |                         | 10,178.5       | 6,700.9        | 4,508        | 4,191          | 2,376.6      | 2,567.6      | 1,692        | 2,207.5      | 1,747          | 2,896.3      | 2,442.2      | 2,957.9      | 2,389.3        | 2,780.8      | 791.2        |

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Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | GZ-23D cont. |              |              |            |             |             |               |               |              |            |             | DUP            | DUP           |
|------------------------------------------------|-------------------------|--------------|--------------|--------------|------------|-------------|-------------|---------------|---------------|--------------|------------|-------------|----------------|---------------|
| Unit                                           | µg/L                    | µg/L         |              |              |            |             |             |               |               |              |            |             | µg/L           | µg/L          |
| Sample Date                                    |                         | 03/28/19     | 12/04/19     | 03/09/20     | 11/18/20   | 06/17/21    | 11/19/21    | 08/31/22      | 05/17/23      | 03/21/24     | 12/23/24   | 10/13/25    | 06/13/17       | 05/17/23      |
| <i>Chlorinated Volatile Organic Compounds:</i> |                         |              |              |              |            |             |             |               |               |              |            |             |                |               |
| 1,1,1-Trichloroethane                          | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | <10          | <10          | <10          | <0.5       | <0.5        | <0.5        | <1            | <1            | <2           | <0.5 U     | < 0.50      | <10            | <1            |
| 1,1,2-Trichloroethane                          | 1.0                     | <30          | <30          | <30          | <1.5       | <1.5        | <1.5        | <3            | <3            | <6           | <1.5 U     | < 1.0       | <30            | <3            |
| 1,1-Dichloroethane                             | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| 1,1-Dichloroethene                             | 5.0                     | <10          | <10          | <10          | 0.18 J     | <0.5        | <0.5        | <1            | <1            | <2           | <0.5 U     | < 1.0       | <10            | <1            |
| 1,2-Dichloroethane                             | 0.6                     | <b>3.8 J</b> | <b>6.8 J</b> | <b>4.9 J</b> | <b>1.1</b> | <b>0.63</b> | <b>0.65</b> | <b>0.69 J</b> | <b>0.93 J</b> | <b>1.4 J</b> | <b>1.3</b> | <b>0.89</b> | <b>4.1 D,J</b> | <b>0.88 J</b> |
| cis-1,2-Dichloroethene                         | 5.0                     | <b>150</b>   | <b>240</b>   | <b>160</b>   | <b>23</b>  | <b>5.2</b>  | <b>5.7</b>  | <b>14</b>     | <b>14</b>     | <b>16</b>    | <b>12</b>  | <b>12</b>   | <b>290 D</b>   | <b>14</b>     |
| trans-1,2-Dichloroethene                       | 5.0                     | <b>15 J</b>  | <b>47 J</b>  | <b>16 J</b>  | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <b>21 D,J</b>  | <5            |
| 1,2-Dichloropropane                            | 1.0                     | <20          | <20          | <20          | <1.0       | <1          | <1          | <2            | <2            | <4           | <1 U       | < 1.0       | <20            | <2            |
| Bromochloromethane                             | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| Bromodichloromethane                           | 50                      | <10          | <10          | <10          | <0.5       | <0.5        | <0.5        | <1            | <1            | <2           | <0.5 U     | < 0.50      | <10            | <1            |
| Carbon Tetrachloride                           | 5.0                     | <10          | <10          | <10          | <0.5       | <0.5        | <0.5        | <1            | <1            | <2           | <0.5 U     | < 1.0       | <10            | <1            |
| Chloroethane                                   | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| Chloroform                                     | 7.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| Chloromethane                                  | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 UJ    | < 1.0       | <50            | <5            |
| cis-1,3-Dichloropropene                        | 0.4                     | <10          | <10          | <10          | <0.5       | <0.5        | <0.5        | <1            | <1            | <2           | <0.5 U     | < 0.40      | <10            | <1            |
| Dibromochloromethane                           | 50                      | <10          | <10          | <10          | <0.5       | <0.5        | <0.5        | <1            | <1            | <2           | <0.5 U     | < 0.50      | <10            | <1            |
| Dichlorodifluoromethane                        | 5.0                     | <100         | <100         | <100         | <5.0       | <5          | <5          | <10           | <10           | <20          | <5 U       | < 1.0       | <100           | <10           |
| Freon-113                                      | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| Methylene Chloride                             | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| Trichlorofluoromethane                         | 5.0                     | <50          | <50          | <50          | <2.5       | <2.5        | <2.5        | <5            | <5            | <10          | <2.5 U     | < 1.0       | <50            | <5            |
| Tetrachloroethene                              | 5.0                     | <b>1,800</b> | <b>1,700</b> | <b>1,700</b> | <b>19</b>  | <0.5        | 4.6         | <b>11</b>     | <b>13</b>     | <b>29</b>    | <b>9.5</b> | <b>13</b>   | <b>1,500 D</b> | <b>12</b>     |
| Trichloroethene                                | 5.0                     | <b>780</b>   | <b>570</b>   | <b>560</b>   | <b>15</b>  | 0.45 J      | 3.4         | <b>6.8</b>    | <b>9.4</b>    | <b>15</b>    | <b>8.2</b> | <b>8.3</b>  | <b>950 D</b>   | <b>8.9</b>    |
| Vinyl chloride                                 | 2.0                     | <b>32</b>    | <b>57</b>    | <b>30</b>    | <b>5.6</b> | <b>4.8</b>  | 2           | <b>5.7</b>    | <b>5.9</b>    | <b>5.2</b>   | <b>6.4</b> | <b>2.3</b>  | <b>71 D</b>    | <b>5.8</b>    |
| <b>TOTAL CVOCs</b>                             |                         | 2,780.8      | 2,620.8      | 2,470.9      | 63.88      | 11.08       | 16.35       | 38.19         | 43.23         | 66.6         | 37.4       | 36.5        | 2,836.1        | 41.6          |

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441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | B6-OWD       |            |              |              |            |              |          |          |          |          |          |          |                 |                 |
|------------------------------------------------|-------------------------|--------------|------------|--------------|--------------|------------|--------------|----------|----------|----------|----------|----------|----------|-----------------|-----------------|
| Unit                                           | µg/L                    | µg/L         |            |              |              |            |              |          |          |          |          |          |          |                 |                 |
| Sample Date                                    |                         | 08/21/09     | 01/11/12   | 10/15/13     | 03/24/14     | 06/18/14   | 09/24/14     | 11/05/14 | 06/23/15 | 12/16/15 | 05/12/16 | 10/12/16 | 06/13/17 | 11/14/17        | 05/16/18        |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |              |            |              |              |            |              |          |          |          |          |          |          |                 |                 |
| 1,1,1-Trichloroethane                          | 5.0                     | ---          | ---        | <5.0         | ---          | <20        | <4.0         | <8.0     | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <1.0     | <2.5            | <10             |
| 1,1,2-Trichloroethane                          | 1.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <1.5     | <1.5     | <1.5     | <1.5     | <3.0     | <7.5            | <30             |
| 1,1-Dichloroethane                             | 5.0                     | <5.0         | <5.0       | <5.0         | <1.0         | <4.0       | <4.0         | <8.0     | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| 1,1-Dichloroethene                             | 5.0                     | <5.0         | <5.0       | <5.0         | <1.0         | <4.0       | <4.0         | <8.0     | <0.50    | <0.50    | <0.50    | <0.50    | <1.0     | <2.5            | <10             |
| 1,2-Dichloroethane                             | 0.6                     | <b>9.7</b>   | <5.0       | <b>1.9 J</b> | <b>2.8</b>   | <b>8.0</b> | <b>9.1</b>   | <8.0     | 0.36 J   | <0.50    | 0.31 J   | 0.32 J   | 0.29 J   | <b>3.7 D</b>    | <b>11</b>       |
| cis-1,2-Dichloroethene                         | 5.0                     | <b>390 D</b> | 1.5 J      | <b>76</b>    | <b>180 D</b> | <b>330</b> | <b>430 D</b> | <8.0     | 1.3 J    | 1.1 J    | 2.4 J    | 2.1 J    | 1.8 J    | <b>150 D</b>    | <b>390</b>      |
| trans-1,2-Dichloroethene                       | 5.0                     | <b>150</b>   | <5.0       | <b>6.8</b>   | <b>7.2</b>   | <b>8.4</b> | <b>14</b>    | <8.0     | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <b>6.0 J, J</b> | <b>22 J</b>     |
| 1,2-Dichloropropane                            | 1.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <1.0     | <1.0     | <1.0     | <1.0     | <2.0     | <5.0            | <20             |
| Bromochloromethane                             | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| Bromodichloromethane                           | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <1.0     | <2.5            | <10             |
| Carbon Tetrachloride                           | 5.0                     | ---          | ---        | <5.0         | ---          | <20        | <4.0         | <8.0     | <0.5     | <0.5     | <0.5     | <0.5     | <1.0     | <2.5            | <10             |
| Chloroethane                                   | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| Chloroform                                     | 7.0                     | ---          | ---        | <5.0         | ---          | <20        | 4            | <8.0     | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| Chloromethane                                  | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| cis-1,3-Dichloropropene                        | 0.4                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <1.0     | <2.5            | <10             |
| Dibromochloromethane                           | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <0.5     | <0.5     | <0.5     | <0.5     | <1.0     | <2.5            | <10             |
| Dichlorodifluoromethane                        | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <5.0     | <5.0     | <5.0     | <5.0     | <10      | <25             | <100            |
| Freon-113                                      | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| Methylene Chloride                             | 5.0                     | ---          | ---        | <5.0         | ---          | <20        | <4.0         | <8.0     | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| Trichlorofluoromethane                         | 5.0                     | ---          | ---        | ---          | ---          | ---        | ---          | ---      | <2.5     | <2.5     | <2.5     | <2.5     | <5.0     | <12             | <50             |
| Tetrachloroethene                              | 5.0                     | <b>23</b>    | <b>6.2</b> | <b>18</b>    | <b>59</b>    | <b>47</b>  | <b>110</b>   | <8.0     | 2.4      | 2.1      | 2.4      | 2.6      | 2.6      | <b>190 D</b>    | <b>1,200 J-</b> |
| Trichloroethene                                | 5.0                     | <b>43</b>    | 2.1 J      | <b>41</b>    | <b>170 D</b> | <b>180</b> | <b>330</b>   | <8.0     | 1.3      | 1.4      | 1.7      | 1.7      | 1.4      | <b>470 D</b>    | <b>1,400</b>    |
| Vinyl chloride                                 | 2.0                     | <5.0         | <5.0       | <5.0         | <1.0         | <4.0       | <4.0         | <8.0     | <1.0     | <1.0     | 0.27 J   | 0.28 J   | 0.2 j    | <5.0            | 1.8 J           |
| <b>TOTAL CVOCs</b>                             |                         | 615.7        | 9.8        | 143.7        | 419          | 573.4      | 893.1        | ND       | 5.36     | 4.6      | 7.08     | 7        | 6.29     | 819.7           | 3,024.8         |

**Notes:**

**BOLD** Indicates exceedance of groundwater standard.

\* Groundwater Standards are obtained from Title 6 Part 703.5 and *Guidance Values* (GV) are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".

< Indicates the parameter was not detected at or above laboratory's reporting limit shown.

NA Not Analyzed.

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**Laboratory Qualifiers:**

D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.

J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

**Data Usability Summary Report (DUSR) Qualifiers:**

j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.

UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.



Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | B6-OWD cont. |              |              |              |              |                |              |              |              |              |              |              | DUP      | DUP             | DUP          | DUP         | DUP          |
|------------------------------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|-----------------|--------------|-------------|--------------|
| Unit                                           | µg/L                    | µg/L         |              |              |              |              |                |              |              |              |              |              |              | µg/L     | µg/L            | µg/L         | µg/L        | µg/L         |
| Sample Date                                    |                         | 10/18/18     | 03/27/19     | 12/04/19     | 03/09/20     | 11/18/20     | 06/17/21       | 11/19/21     | 08/31/22     | 05/17/23     | 03/21/24     | 12/23/24     | 10/13/25     | 12/16/15 | 05/16/18        | 10/18/18     | 10/18/18    | 06/17/21     |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |              |              |              |              |              |                |              |              |              |              |              |              |          |                 |              |             |              |
| 1,1,1-Trichloroethane                          | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | <5.0         | <10          | <5.0         | <10          | <5.0         | <10            | <10          | <10          | <5           | <10          | <1.2 U       | < 5.0        | <0.5     | <10             | <5.0         | <5.0        | <10          |
| 1,1,2-Trichloroethane                          | 1.0                     | <15          | <30          | <15          | <30          | <15          | <30            | <30          | <30          | <15          | <30          | <3.8 U       | < 2.5        | <1.5     | <30             | <15          | <15         | <30          |
| 1,1-Dichloroethane                             | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| 1,1-Dichloroethene                             | 5.0                     | <5.0         | <10          | <5.0         | <10          | <5.0         | <10            | <10          | <10          | <5           | <10          | 1.7          | < 5.0        | <0.50    | <10             | <5.0         | <5.0        | <10          |
| 1,2-Dichloroethane                             | 0.6                     | <b>8.5</b>   | <b>15</b>    | <b>12 J+</b> | <b>8.9 J</b> | <b>9.7</b>   | <b>11</b>      | <b>8.6 J</b> | <10          | <b>4 J</b>   | <b>8 J</b>   | <b>7.3</b>   | <b>9.4</b>   | <0.50    | <b>9.1 J</b>    | <b>9.4</b>   | <b>9.4</b>  | <b>8 J</b>   |
| cis-1,2-Dichloroethene                         | 5.0                     | <b>360</b>   | <b>700</b>   | <b>620</b>   | <b>530</b>   | <b>760</b>   | <b>530</b>     | <b>720</b>   | <b>550</b>   | <b>550</b>   | <b>800</b>   | <b>530</b>   | <b>1200</b>  | 1.2 J    | <b>330</b>      | <b>380</b>   | <b>380</b>  | <b>480</b>   |
| trans-1,2-Dichloroethene                       | 5.0                     | <b>16 J</b>  | <b>41 J</b>  | <b>24 J+</b> | <b>26 J</b>  | <b>26</b>    | <b>30 J</b>    | <b>34 J</b>  | <b>26 J</b>  | <b>12 J</b>  | <b>19 J</b>  | <b>15</b>    | <b>16</b>    | <2.5     | <b>20 J</b>     | <b>17 J</b>  | <b>17 J</b> | <b>22 J</b>  |
| 1,2-Dichloropropane                            | 1.0                     | <10          | <20          | <10          | <20          | <10          | <20            | <20          | <20          | <10          | <20          | <2.5 U       | < 2.5        | <1.0     | <20             | <10          | <10         | <20          |
| Bromochloromethane                             | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| Bromodichloromethane                           | 50                      | <5.0         | <10          | <5.0         | <10          | <5.0         | <10            | <10          | <10          | <5           | <10          | <1.2 U       | < 5.0        | <0.5     | <10             | <5.0         | <5.0        | <10          |
| Carbon Tetrachloride                           | 5.0                     | <5.0         | <10          | <5.0         | <10          | <5.0         | <10            | <10          | <10          | <5           | <10          | <1.2 U       | < 5.0        | <0.5     | <10             | <5.0         | <5.0        | <10          |
| Chloroethane                                   | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| Chloroform                                     | 7.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 7.0        | <2.5     | <50             | <25          | <25         | <50          |
| Chloromethane                                  | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 UJ      | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| cis-1,3-Dichloropropene                        | 0.4                     | <5.0         | <10          | <5.0         | <10          | <5.0         | <10            | <10          | <10          | <5           | <10          | <1.2 U       | < 2.5        | <0.5     | <10             | <5.0         | <5.0        | <10          |
| Dibromochloromethane                           | 50                      | <5.0         | <10          | <5.0         | <10          | <5.0         | <10            | <10          | <10          | <5           | <10          | <1.2 U       | < 5.0        | <0.5     | <10             | <5.0         | <5.0        | <10          |
| Dichlorodifluoromethane                        | 5.0                     | <50          | <100         | <50          | <100         | <50          | <100           | <100         | <100         | <50          | <100         | <12 U        | < 5.0        | <5.0     | <100            | <50          | <50         | <100         |
| Freon-113                                      | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| Methylene Chloride                             | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| Trichlorofluoromethane                         | 5.0                     | <25          | <50          | <25          | <50          | <25          | <50            | <50          | <50          | <25          | <50          | <6.2 U       | < 5.0        | <2.5     | <50             | <25          | <25         | <50          |
| Tetrachloroethene                              | 5.0                     | <b>860</b>   | <b>1400</b>  | <b>520</b>   | <b>740</b>   | <b>580</b>   | <b>1,100 J</b> | <b>910</b>   | <b>1,100</b> | <b>420</b>   | <b>650</b>   | <b>840</b>   | <b>800</b>   | 2.2      | <b>1,100 J-</b> | <b>950</b>   | <b>950</b>  | <b>800 J</b> |
| Trichloroethene                                | 5.0                     | <b>1,300</b> | <b>2000</b>  | <b>1,200</b> | <b>2,200</b> | <b>1,400</b> | <b>1,900</b>   | <b>2,300</b> | <b>2,800</b> | <b>1,400</b> | <b>2,400</b> | <b>2,400</b> | <b>2,300</b> | 1.4      | <b>1,400</b>    | <b>1,400</b> | <b>1400</b> | <b>1,700</b> |
| Vinyl chloride                                 | 2.0                     | <10          | <b>3.6 J</b> | <10          | <20          | <10          | 1.6 J          | <b>2.6 J</b> | <b>3.4 J</b> | <b>3.7 J</b> | <b>12 J</b>  | <b>11</b>    | <b>22</b>    | <1.0     | 1.8 J           | 2.1 J        | 2.1 J       | 1.7 J        |
| <b>TOTAL CVOCs</b>                             |                         | 2,544.5      | 4,159.6      | 2,376.0      | 3,504.9      | 2,775.7      | 3,572.6        | 3,975.2      | 4,479.4      | 2,389.7      | 3,889        | 3,805        | 4,347        | 4.8      | 2,860.9         | 2,758.5      | 2,758.5     | 3,011.7      |

Notes:

- BOLD** Indicates exceedance of groundwater standard.  
 \* Groundwater Standards are obtained from Title 6 Part 703.5 and *Guidance Values* (GV) are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".  
 < Indicates the parameter was not detected at or above laboratory's reporting limit shown.  
 NA Not Analyzed.  
 --- No standard or not applicable.

Laboratory Qualifiers:

- D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.  
 J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

Data Usability Summary Report (DUSR) Qualifiers:

- j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.  
 U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.  
 J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.  
 J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.  
 UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | OSMW-3       |              |                |              |                |              |              |                |            |              |              |                |               |              |
|------------------------------------------------|-------------------------|--------------|--------------|----------------|--------------|----------------|--------------|--------------|----------------|------------|--------------|--------------|----------------|---------------|--------------|
| Unit                                           | µg/L                    | µg/L         |              |                |              |                |              |              |                |            |              |              |                |               |              |
| Sample Date                                    |                         | 01/10/12     | 10/16/13     | 03/24/14       | 06/19/14     | 09/24/14       | 11/05/14     | 06/24/15     | 12/17/15       | 05/12/16   | 10/12/16     | 06/13/17     | 11/14/17       | 05/16/18      | 10/18/18     |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |              |              |                |              |                |              |              |                |            |              |              |                |               |              |
| 1,1,1-Trichloroethane                          | 5.0                     | ---          | <80          | ---            | <20          | ---            | <50          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <10          | <20            | <2.5       | <5.0         | <0.5         | <5.0           | <1.0          | <12          |
| 1,1,2-Trichloroethane                          | 1.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <30          | <60            | <7.5       | <15          | <1.5         | <15            | <3.0          | <38          |
| 1,1-Dichloroethane                             | 5.0                     | <5.0         | <80          | <1.0           | <20          | <20            | <50          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| 1,1-Dichloroethene                             | 5.0                     | <5.0         | <80          | <1.0           | <20          | <20            | <50          | <10          | <20            | <2.5       | <5.0         | 0.46 J       | <5.0           | <1.0          | <12          |
| 1,2-Dichloroethane                             | 0.6                     | <b>4.4 J</b> | <80          | <b>4.7</b>     | <20          | <20            | <50          | <10          | <20            | <b>3.8</b> | <b>4.2 J</b> | <b>5.2</b>   | <b>4.5 J,D</b> | <b>1.7</b>    | <12          |
| cis-1,2-Dichloroethene                         | 5.0                     | <b>14</b>    | <b>31 J</b>  | <b>46</b>      | <b>100</b>   | <b>220</b>     | <b>210</b>   | <b>180</b>   | <b>120 j</b>   | <b>92</b>  | <b>63</b>    | <b>40</b>    | <b>39 D</b>    | <b>17</b>     | <b>200</b>   |
| trans-1,2-Dichloroethene                       | 5.0                     | 1.7 J        | <80          | 3.7            | <20          | <b>28</b>      | <50          | <b>25 J</b>  | <100           | <b>21</b>  | <b>14 J</b>  | <b>7.4</b>   | <25            | <5.0          | <62          |
| 1,2-Dichloropropane                            | 1.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <20          | <40            | <5.0       | <10          | <1.0         | <10            | <2.0          | <25          |
| Bromochloromethane                             | 5.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| Bromodichloromethane                           | 50                      | ---          | ---          | ---            | ---          | ---            | ---          | <10          | <20            | <2.5       | <5.0         | <0.5         | <5.0           | <1.0          | <12          |
| Carbon Tetrachloride                           | 5.0                     | ---          | <80          | ---            | <20          | ---            | <50          | <10          | <20            | <2.5       | <5.0         | <0.5         | <5.0           | <1.0          | <12          |
| Chloroethane                                   | 5.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| Chloroform                                     | 7.0                     | ---          | <80          | ---            | <20          | ---            | <50          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| Chloromethane                                  | 5.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| cis-1,3-Dichloropropene                        | 0.4                     | ---          | ---          | ---            | ---          | ---            | ---          | <10          | <20            | <2.5       | <5.0         | <0.5         | <5.0           | <1.0          | <12          |
| Dibromochloromethane                           | 50                      | ---          | ---          | ---            | ---          | ---            | ---          | <10          | <20            | <2.5       | <5.0         | <0.5         | <5.0           | <1.0          | <12          |
| Dichlorodifluoromethane                        | 5.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <100         | <200           | <25        | <50          | <5.0         | <50            | <10           | <120         |
| Freon-113                                      | 5.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| Methylene Chloride                             | 5.0                     | ---          | <80          | ---            | <20          | ---            | <50          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| Trichlorofluoromethane                         | 5.0                     | ---          | ---          | ---            | ---          | ---            | ---          | <50          | <100           | <12        | <25          | <2.5         | <25            | <5.0          | <62          |
| Tetrachloroethene                              | 5.0                     | <b>760 D</b> | <b>1,900</b> | <b>2,400 D</b> | <b>1,300</b> | <b>2,600 D</b> | <b>3,400</b> | <b>1,500</b> | <b>1,200 j</b> | <b>670</b> | <b>470</b>   | <b>620 D</b> | <b>750 D</b>   | <b>220 J-</b> | <b>3,600</b> |
| Trichloroethene                                | 5.0                     | <b>120</b>   | <b>280</b>   | <b>330 D</b>   | <b>440</b>   | <b>1,000</b>   | <b>1,000</b> | <b>610</b>   | <b>480 j</b>   | <b>290</b> | <b>230</b>   | <b>170 D</b> | <b>220 D</b>   | <b>110</b>    | <b>500</b>   |
| Vinyl chloride                                 | 2.0                     | <5.0         | <80          | <1.0           | <20          | <20            | <50          | <1.4 j       | <40            | 0.44 J     | <10          | 0.14 J       | <10            | <2.0          | <b>8.1 J</b> |
| <b>TOTAL CVOCs</b>                             |                         | 900.1        | 2,211        | 2,784          | 1,840        | 3,848          | 4,610        | 2,315        | 1,800          | 1,077      | 781.2        | 843.2        | 1,014          | 348.7         | 4,308.1      |

**Notes:**

**BOLD** Indicates exceedance of groundwater standard.

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NA Not Analyzed.

--- No standard or not applicable.

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D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.

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**Data Usability Summary Report (DUSR) Qualifiers:**

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J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

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Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | OSMW-3 cont. |          |          |          |          |          |          |          |          |          |          | DUP      | DUP      | DUP      |
|------------------------------------------------|-------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unit                                           | µg/L                    | µg/L         |          |          |          |          |          |          |          |          |          |          | µg/L     | µg/L     | µg/L     |
| Sample Date                                    |                         | 03/28/19     | 12/04/19 | 03/09/20 | 11/18/20 | 06/17/21 | 11/19/21 | 08/31/22 | 05/17/23 | 03/21/24 | 12/23/24 | 10/13/25 | 11/05/14 | 11/14/17 | 08/31/22 |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |              |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 1,1,1-Trichloroethane                          | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | <1.0     | ---      | <6.2     |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | <12          | <25      | <12      | <10      | <5       | <5       | <1.2     | <1       | <1.2     | <1.2 U   | < 2.5    | ---      | ---      | <1.2     |
| 1,1,2-Trichloroethane                          | 1.0                     | <38          | <75      | <38      | <30      | <15      | <15      | <3.8     | <3       | <3.8     | <3.8 U   | < 1.3    | ---      | ---      | <3.8     |
| 1,1-Dichloroethane                             | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | <1.0     | <25      | <6.2     |
| 1,1-Dichloroethene                             | 5.0                     | <12          | <25      | <12      | <10      | <5       | <5       | <1.2     | 0.37 J   | <1.2     | <1.2 U   | < 5.0    | 1.4      | <5.0     | <1.2     |
| 1,2-Dichloroethane                             | 0.6                     | 3.9 J        | <25      | <12      | 4.7 J    | 4.8 J    | 5.1      | 6        | 5.1      | 5        | 2.9      | 2.9      | 3.5      | 4.3 J,D  | 6.2      |
| cis-1,2-Dichloroethene                         | 5.0                     | 85           | 75 J     | 42 J+    | 42 J     | 32       | 33       | 18       | 16       | 15       | 16       | 15       | 210 D    | 39 D     | 16       |
| trans-1,2-Dichloroethene                       | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | 9.2      | 10       | 7.6      | 7.2      | 6.7      | 26       | 7.1 J,D  | 9.1      |
| 1,2-Dichloropropane                            | 1.0                     | <25          | <50      | <25      | <20      | <10      | <10      | <2.5     | <2       | <2.5     | <2.5 U   | < 1.3    | ---      | ---      | <2.5     |
| Bromochloromethane                             | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | ---      | ---      | <6.2     |
| Bromodichloromethane                           | 50                      | <12          | <25      | <12      | <10      | <5       | <5       | <1.2     | <1       | <1.2     | <1.2 U   | < 2.5    | ---      | ---      | <1.2     |
| Carbon Tetrachloride                           | 5.0                     | <12          | <25      | <12      | <10      | <5       | <5       | <1.2     | <1       | <1.2     | <1.2 U   | < 5.0    | <1.0     | ---      | <1.2     |
| Chloroethane                                   | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | ---      | ---      | <6.2     |
| Chloroform                                     | 7.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | <1.0     | ---      | <6.2     |
| Chloromethane                                  | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | ---      | ---      | <6.2     |
| cis-1,3-Dichloropropene                        | 0.4                     | <12          | <25      | <12      | <10      | <5       | <5       | <1.2     | <1       | <1.2     | <1.2 U   | < 1.3    | ---      | ---      | <1.2     |
| Dibromochloromethane                           | 50                      | <12          | <25      | <12      | <10      | <5       | <5       | <1.2     | <1       | <1.2     | <1.2 U   | < 2.5    | ---      | ---      | <1.2     |
| Dichlorodifluoromethane                        | 5.0                     | <120         | <250     | <120     | <100     | <50      | <50      | <12      | <10      | <12      | <12 U    | < 5.0    | ---      | ---      | <12      |
| Freon-113                                      | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | ---      | ---      | <6.2     |
| Methylene Chloride                             | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | <1.0     | ---      | <6.2     |
| Trichlorofluoromethane                         | 5.0                     | <62          | <120     | <62      | <50      | <25      | <25      | <6.2     | <5       | <6.2     | <6.2 U   | < 5.0    | ---      | ---      | <6.2     |
| Tetrachloroethene                              | 5.0                     | 2,900        | 4,900    | 2,300    | 2,200    | 1,300    | 1,200    | 320      | 170      | 330      | 360      | 300      | 2,900 D  | 760 D    | 290      |
| Trichloroethene                                | 5.0                     | 450          | 440      | 340      | 290      | 190      | 200      | 76       | 55       | 79       | 81       | 79       | 900 D    | 220 D    | 68       |
| Vinyl chloride                                 | 2.0                     | <25          | <50      | <25      | <20      | <10      | <10      | <2.5     | <2       | <2.5     | <2.5 U   | < 2.0    | <1.0     | <10      | <2.5     |
| <b>TOTAL CVOCs</b>                             |                         | 3,438.9      | 5,415.0  | 2,682.0  | 2,536.7  | 1,526.8  | 1,438.1  | 429.2    | 256.5    | 436.6    | 467.1    | 403.6    | 4,041    | 1,030    | 389      |

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Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | OSMW-4       |           |          |           |            |            |          |          |                    |          |          |          |          |          |
|------------------------------------------------|-------------------------|--------------|-----------|----------|-----------|------------|------------|----------|----------|--------------------|----------|----------|----------|----------|----------|
| Unit                                           | µg/L                    | µg/L         |           |          |           |            |            |          |          |                    |          |          |          |          |          |
| Sample Date                                    |                         | 01/10/12     | 10/16/13  | 03/25/14 | 06/18/14  | 09/24/14   | 11/05/14   | 06/24/15 | 12/17/15 | 05/12/16           | 10/12/16 | 06/13/17 | 11/14/17 | 05/16/18 | 10/18/18 |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |              |           |          |           |            |            |          |          |                    |          |          |          |          |          |
| 1,1,1-Trichloroethane                          | 5.0                     | ---          | <5.0      | <25      | <25       | <1.0       | <1.0       | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <0.5     | <0.5     | <0.5               | <0.5     | <0.5     | <0.5     | <1.0     | <0.5     |
| 1,1,2-Trichloroethane                          | 1.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <1.5     | <1.5     | <1.5               | <1.5     | <1.5     | <1.5     | <3.0     | <1.5     |
| 1,1-Dichloroethane                             | 5.0                     | <5.0         | <5.0      | <25      | <25       | <1.0       | <1.0       | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| 1,1-Dichloroethene                             | 5.0                     | <5.0         | <5.0      | <25      | <25       | <1.0       | <1.0       | <0.50    | <0.50    | <0.50              | <0.50    | <0.50    | <0.50    | <1.0     | <0.5     |
| 1,2-Dichloroethane                             | 0.6                     | <b>1.1 J</b> | <5.0      | <25      | <25       | <1.0       | <1.0       | <0.50    | <0.50    | <0.50              | <0.50    | <0.50    | <0.50    | <1.0     | <0.5     |
| cis-1,2-Dichloroethene                         | 5.0                     | <b>29</b>    | 3.8 J     | <25      | <25       | <b>6.2</b> | <b>6.0</b> | 1.2 J    | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | 4.5      |
| trans-1,2-Dichloroethene                       | 5.0                     | <b>6.9</b>   | 1 J       | <25      | <25       | <1.0       | <1.0       | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | 1.3 J    |
| 1,2-Dichloropropane                            | 1.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <1.0     | <1.0     | <1.0               | <1.0     | <1.0     | <1.0     | <2.0     | <1.0     |
| Bromochloromethane                             | 5.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| Bromodichloromethane                           | 50                      | ---          | ---       | ---      | ---       | ---        | ---        | <0.5     | 0.5      | <0.5               | <0.5     | <0.5     | <0.5     | <1.0     | <0.5     |
| Carbon Tetrachloride                           | 5.0                     | ---          | <5.0      | <25      | <25       | <1.0       | <1.0       | <0.5     | <0.5     | <0.5               | <0.5     | <0.5     | <0.5     | <1.0     | <0.5     |
| Chloroethane                                   | 5.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| Chloroform                                     | 7.0                     | ---          | <5.0      | <25      | <25       | <1.0       | <1.0       | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| Chloromethane                                  | 5.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| cis-1,3-Dichloropropene                        | 0.4                     | ---          | ---       | ---      | ---       | ---        | ---        | <0.5     | <0.5     | <0.5               | <0.5     | <0.5     | <0.5     | <1.0     | <0.5     |
| Dibromochloromethane                           | 50                      | ---          | ---       | ---      | ---       | ---        | ---        | <0.5     | <0.5     | <0.5               | <0.5     | <0.5     | <0.5     | <1.0     | <0.5     |
| Dichlorodifluoromethane                        | 5.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <5.0     | <5.0     | <5.0               | <5.0     | <5.0     | <5.0     | <10      | <5.0     |
| Freon-113                                      | 5.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| Methylene Chloride                             | 5.0                     | ---          | <5.0      | <25      | <b>33</b> | <1.0       | <1.0       | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| Trichlorofluoromethane                         | 5.0                     | ---          | ---       | ---      | ---       | ---        | ---        | <2.5     | <2.5     | <2.5               | <2.5     | <2.5     | <2.5     | <5.0     | <2.5     |
| Tetrachloroethene                              | 5.0                     | <b>790 D</b> | <b>11</b> | <25      | <25       | 3.4        | 3.2        | 0.44 J   | <0.50    | 0.2 J <sub>j</sub> | 2.0      | 1.1      | 0.25 J   | <1.0 J   | 0.25 J   |
| Trichloroethene                                | 5.0                     | <b>230 D</b> | <b>15</b> | <25      | <25       | <b>6.0</b> | 4.5        | 1.0      | 0.56     | 0.53               | 1.1      | 0.57     | <0.50    | <1.0     | 0.48 J   |
| Vinyl chloride                                 | 2.0                     | <5.0         | <5.0      | <25      | <25       | <1.0       | <1.0       | <0.07 j  | <1.0     | <1.0               | <1.0     | <1.0 j   | <1.0     | <2.0     | 0.54 J   |
| <b>TOTAL CVOCs</b>                             |                         | 1,057        | 30.8      | ND       | 33        | 15.6       | 13.7       | 2.6      | 0.56     | 0.73               | 3.1      | 1.67     | 0.25     | ND       | 7.07     |

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441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | OSMW-4 cont. |          |          |          |          | DUP          | DUP        | DUP      | DUP      |
|------------------------------------------------|-------------------------|--------------|----------|----------|----------|----------|--------------|------------|----------|----------|
| Unit                                           | µg/L                    | µg/L         |          |          |          |          | µg/L         | µg/L       | µg/L     | µg/L     |
| Sample Date                                    |                         | 03/27/19     | 12/04/19 | 03/09/20 | 11/18/20 | 06/17/21 | 01/10/12     | 09/24/14   | 06/24/15 | 05/12/16 |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |              |          |          |          |          |              |            |          |          |
| 1,1,1-Trichloroethane                          | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | <1.0       | <2.5     | <2.5     |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | ---          | ---        | <0.5     | <0.5     |
| 1,1,2-Trichloroethane                          | 1.0                     | <1.5         | <1.5     | <1.5     | 1.5 U    | <1.5     | ---          | ---        | <1.5     | <1.5     |
| 1,1-Dichloroethane                             | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | <5.0         | <1.0       | <2.5     | <2.5     |
| 1,1-Dichloroethene                             | 5.0                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | <5.0         | <1.0       | <0.50    | <0.50    |
| 1,2-Dichloroethane                             | 0.6                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | <b>1.1 J</b> | <1.0       | <0.50    | <0.50    |
| cis-1,2-Dichloroethene                         | 5.0                     | 0.72 J       | <2.5     | <2.5     | 2.5 U    | <2.5     | <b>29</b>    | <b>5.2</b> | 1.2 J    | <2.5     |
| trans-1,2-Dichloroethene                       | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | <b>7.2</b>   | <1.0       | <2.5     | <2.5     |
| 1,2-Dichloropropane                            | 1.0                     | <1           | <1       | <1       | 1 U      | <1       | ---          | ---        | <1.0     | <1.0     |
| Bromochloromethane                             | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | ---        | <2.5     | <2.5     |
| Bromodichloromethane                           | 5.0                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | ---          | ---        | <0.5     | <0.5     |
| Carbon Tetrachloride                           | 5.0                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | ---          | <1.0       | <0.5     | <0.5     |
| Chloroethane                                   | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | ---        | <2.5     | <2.5     |
| Chloroform                                     | 7.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | <1.0       | <2.5     | <2.5     |
| Chloromethane                                  | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | ---        | <2.5     | <2.5     |
| cis-1,3-Dichloropropene                        | 0.4                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | ---          | ---        | <0.5     | <0.5     |
| Dibromochloromethane                           | 5.0                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | ---          | ---        | <0.5     | <0.5     |
| Dichlorodifluoromethane                        | 5.0                     | <5           | <5       | <5       | 5 U      | <5       | ---          | ---        | <5.0     | <5.0     |
| Freon-113                                      | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | ---        | <2.5     | <2.5     |
| Methylene Chloride                             | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | <1.0       | <2.5     | <2.5     |
| Trichlorofluoromethane                         | 5.0                     | <2.5         | <2.5     | <2.5     | 2.5 U    | <2.5     | ---          | ---        | <2.5     | <2.5     |
| Tetrachloroethene                              | 5.0                     | <0.5         | <0.5     | <0.5     | 0.5 U    | <0.5     | <b>730 D</b> | 3.4        | 0.48 J   | 0.19 Jj  |
| Trichloroethene                                | 5.0                     | <0.5         | <0.5     | <0.5     | 0.39 J   | <0.5     | <b>220 D</b> | <b>5.5</b> | 1.1      | 0.58     |
| Vinyl chloride                                 | 2.0                     | <1           | <1       | <1       | 1 U      | <1       | <5.0         | <1.0       | <1.0 j   | <1.0     |
| <b>TOTAL CVOCs</b>                             |                         | 0.72         | ND       | ND       | 0.39     | ND       | 987          | 14.1       | 2.78     | 0.77     |

**Notes:**

**BOLD** Indicates exceedance of groundwater standard.

\* Groundwater Standards are obtained from Title 6 Part 703.5 and *Guidance Values* (GV) are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".

< Indicates the parameter was not detected at or above laboratory's reporting limit shown.

NA Not Analyzed.

---

**Laboratory Qualifiers:**

D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.

J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

**Data Usability Summary Report (DUSR) Qualifiers:**

j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.

UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 1  
Summary of Groundwater Analytical Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1. Guidance Values  
441 and 442 Waverly Avenue  
Chlorinated Volatile Organic Compounds  
Site #C360108

| Sample ID                                      | Water Quality Standard* | OSMW-1   |          | OSMW-2   |          | DUP      |
|------------------------------------------------|-------------------------|----------|----------|----------|----------|----------|
| Unit                                           | µg/L                    | µg/L     |          | µg/L     |          |          |
| Sample Date                                    |                         | 01/10/12 | 03/28/19 | 01/10/12 | 03/28/19 | 03/28/19 |
| <b>Chlorinated Volatile Organic Compounds:</b> |                         |          |          |          |          |          |
| 1,1,1-Trichloroethane                          | 5.0                     | <5       | <2.5     | <5       | <2.5     | <2.5     |
| 1,1,2,2-Tetrachloroethane                      | 5.0                     | NA       | <0.5     | NA       | <0.5     | <0.5     |
| 1,1,2-Trichloroethane                          | 1.0                     | NA       | <1.5     | NA       | <1.5     | <1.5     |
| 1,1-Dichloroethane                             | 5.0                     | <5       | <2.5     | <5       | <2.5     | <2.5     |
| 1,1-Dichloroethene                             | 5.0                     | <5       | <0.5     | <5       | <0.5     | <0.5     |
| 1,2-Dichloroethane                             | 0.6                     | <5       | <0.5     | <5       | <0.5     | <0.5     |
| cis-1,2-Dichloroethene                         | 5.0                     | <5       | <2.5     | 1.1 J    | <2.5     | <2.5     |
| trans-1,2-Dichloroethene                       | 5.0                     | <5       | <2.5     | <5       | <2.5     | <2.5     |
| 1,2-Dichloropropane                            | 1.0                     | NA       | 0.27 J   | NA       | <1       | <1       |
| Bromochloromethane                             | 5.0                     | NA       | <2.5     | NA       | <2.5     | <2.5     |
| Bromodichloromethane                           | 5.0                     | NA       | <0.5     | NA       | <0.5     | <0.5     |
| Carbon Tetrachloride                           | 5.0                     | <5       | <0.5     | <5       | <0.5     | <0.5     |
| Chloroethane                                   | 5.0                     | NA       | <2.5     | NA       | <2.5     | <2.5     |
| Chloroform                                     | 7.0                     | <5       | <2.5     | <5       | <2.5     | <2.5     |
| Chloromethane                                  | 5.0                     | NA       | <2.5     | NA       | <2.5     | <2.5     |
| cis-1,3-Dichloropropene                        | 0.4                     | NA       | <0.5     | NA       | <0.5     | <0.5     |
| Dibromochloromethane                           | 5.0                     | NA       | <0.5     | NA       | <0.5     | <0.5     |
| Dichlorodifluoromethane                        | 5.0                     | NA       | <5       | NA       | <5       | <5       |
| Freon-113                                      | 5.0                     | NA       | <2.5     | NA       | <2.5     | <2.5     |
| Methylene Chloride                             | 5.0                     | <5       | <2.5     | <5       | <2.5     | <2.5     |
| Trichlorofluoromethane                         | 5.0                     | NA       | <2.5     | NA       | <2.5     | <2.5     |
| Tetrachloroethene                              | 5.0                     | <5       | <0.5     | <5       | <0.5     | <0.5     |
| Trichloroethene                                | 5.0                     | <5       | <0.5     | <5       | <0.5     | <0.5     |
| Vinyl chloride                                 | 2.0                     | <5       | <1       | <5       | <1       | <1       |
| <b>TOTAL CVOCs</b>                             |                         | 0        | 0.27     | 1.1 J    | 0        | 0        |

**Notes:**

**BOLD** Indicates exceedance of groundwater standard.

\* Groundwater Standards are obtained from Title 6 Part 703.5 and *Guidance Values* (GV) are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".

< Indicates the parameter was not detected at or above laboratory's reporting limit shown.

NA Not Analyzed.

--- No standard or not applicable.

**Laboratory Qualifiers:**

D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.

J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

**Data Usability Summary Report (DUSR) Qualifiers:**

j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

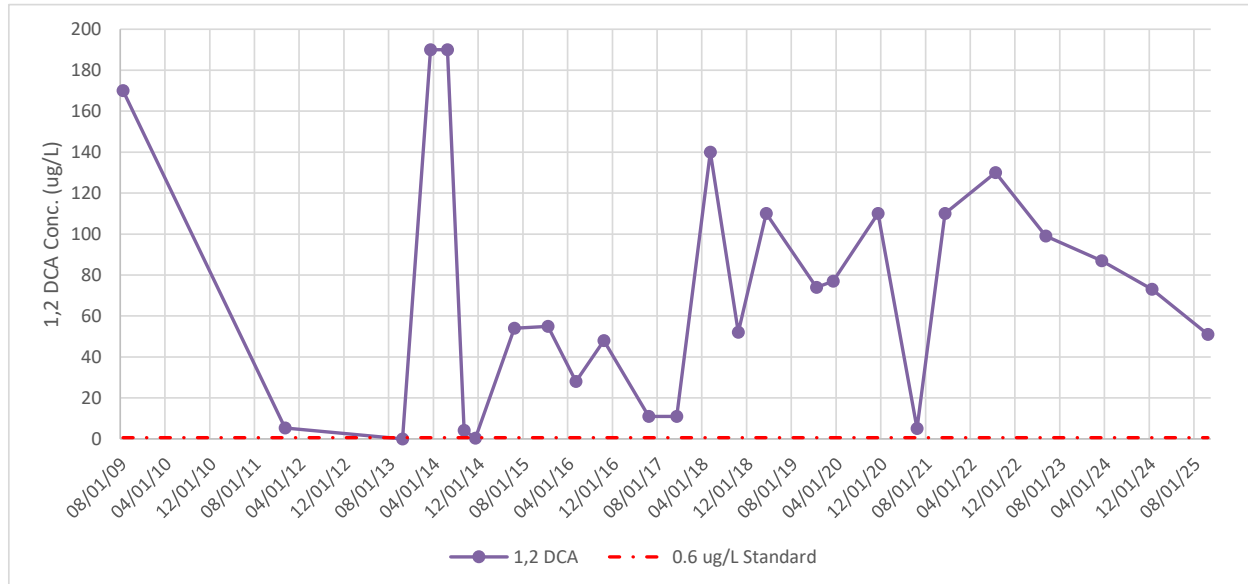
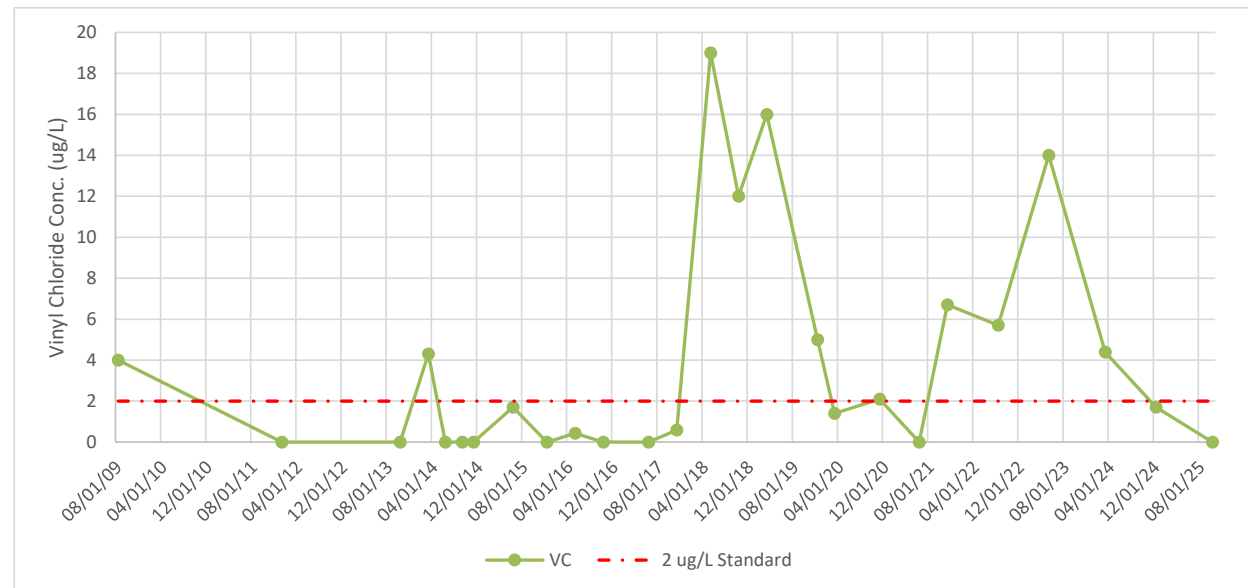
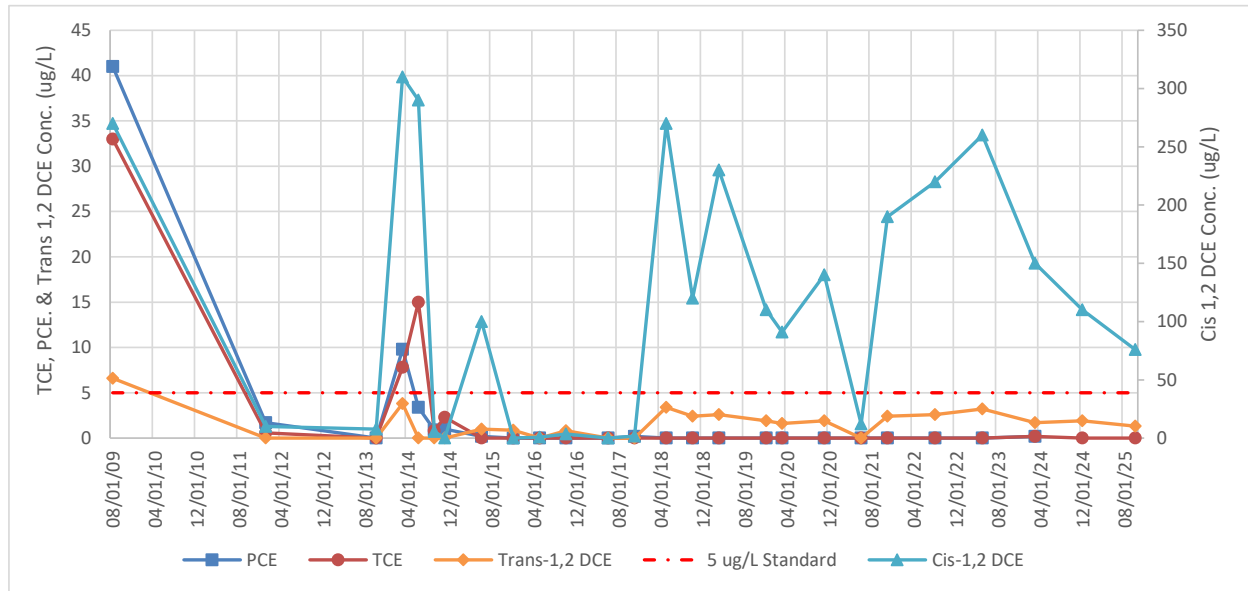
J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.

UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

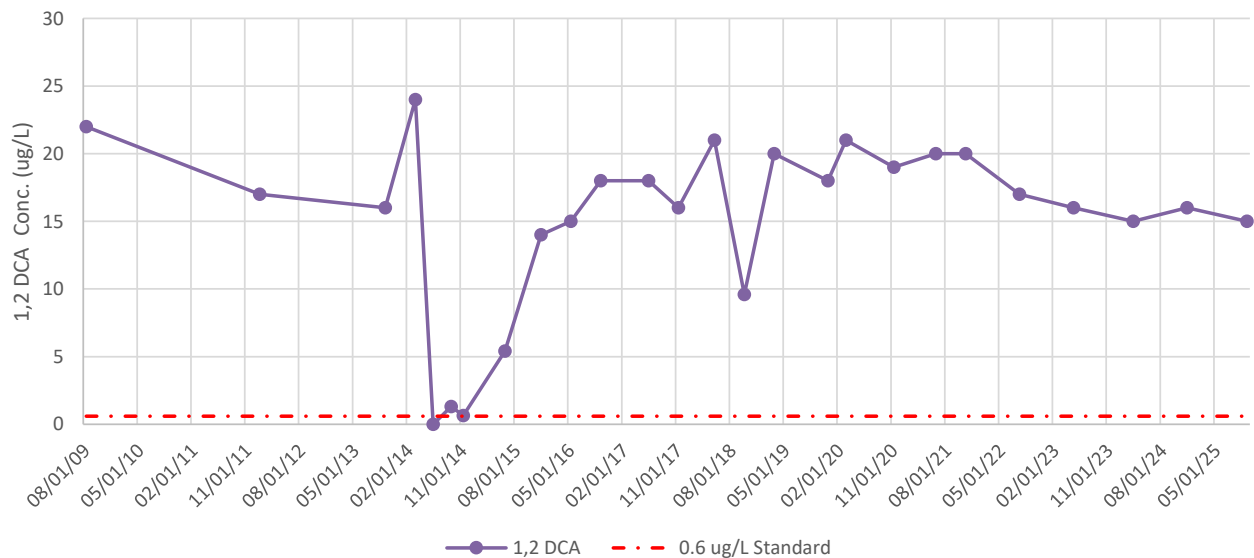
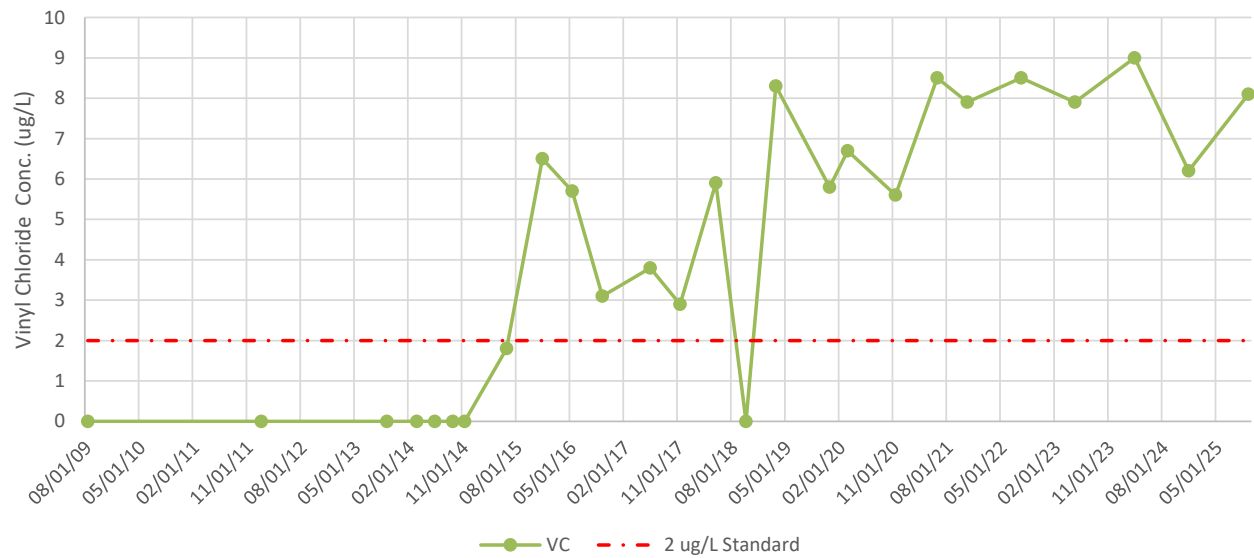
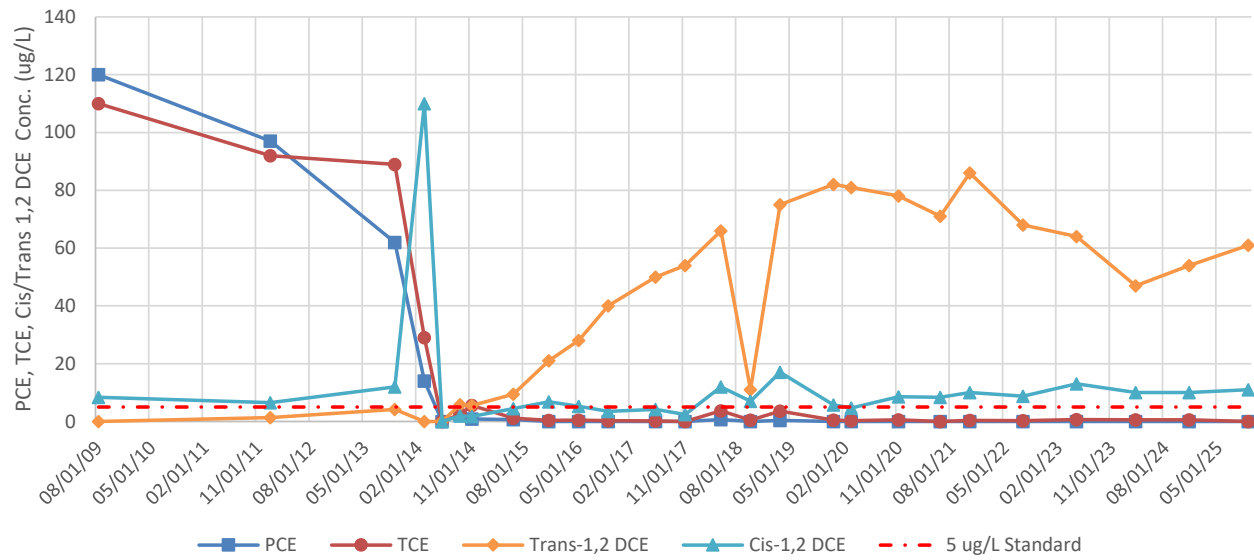
## **DATA TREND GRAPHS**

**Groundwater Quality Trends**  
**Monitoring Well GZ-21D**  
**441 and 442 Waverly Avenue**

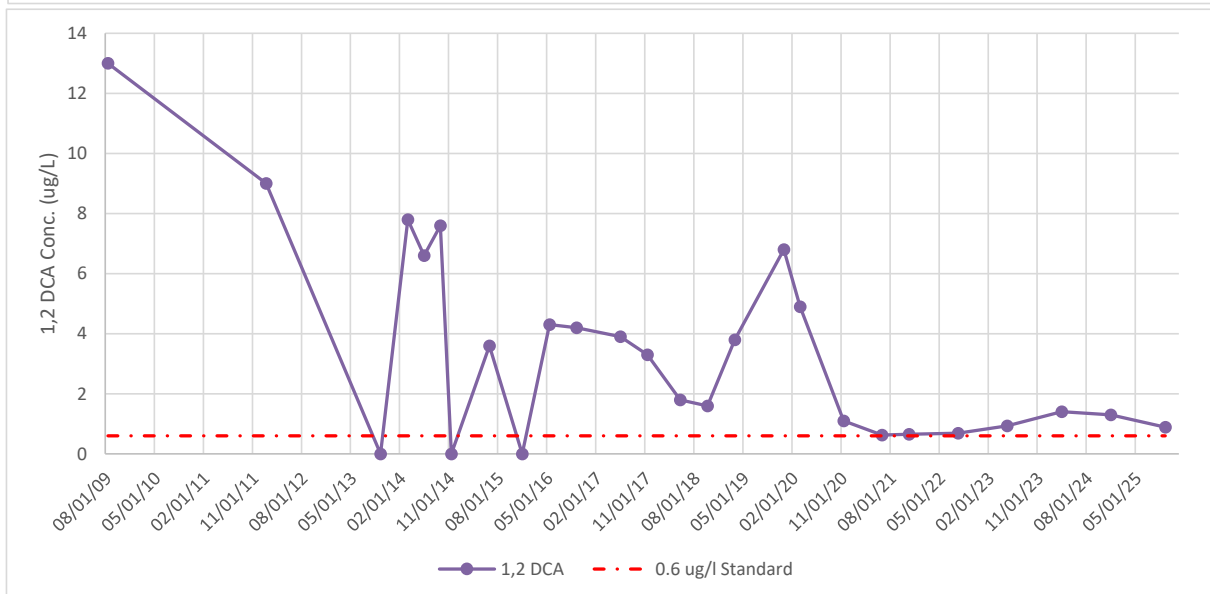
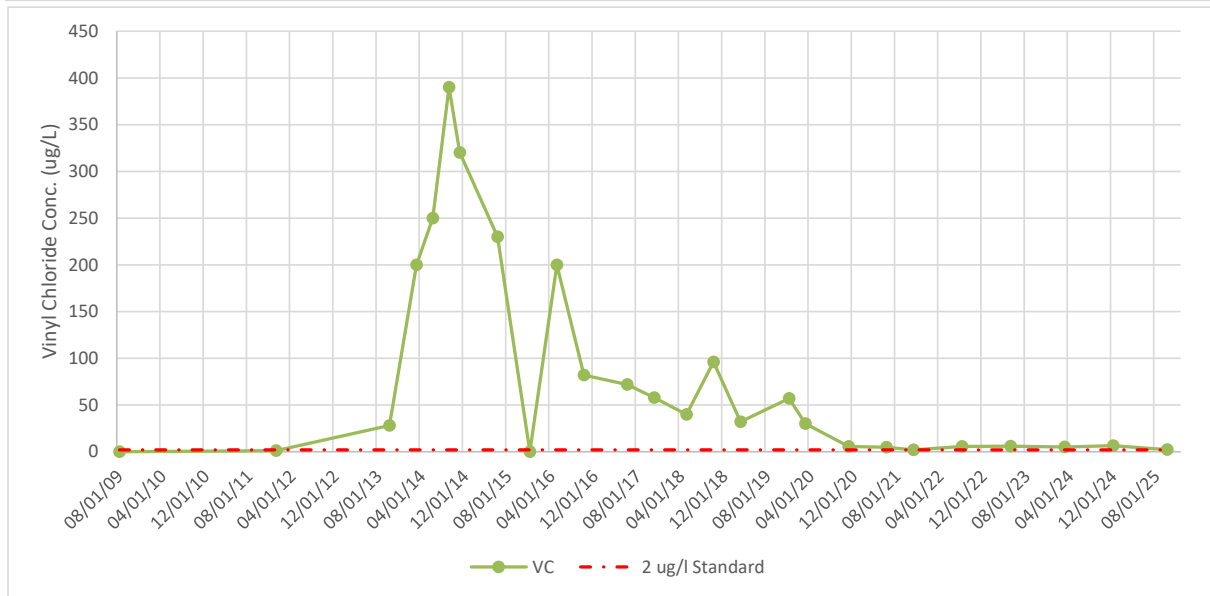
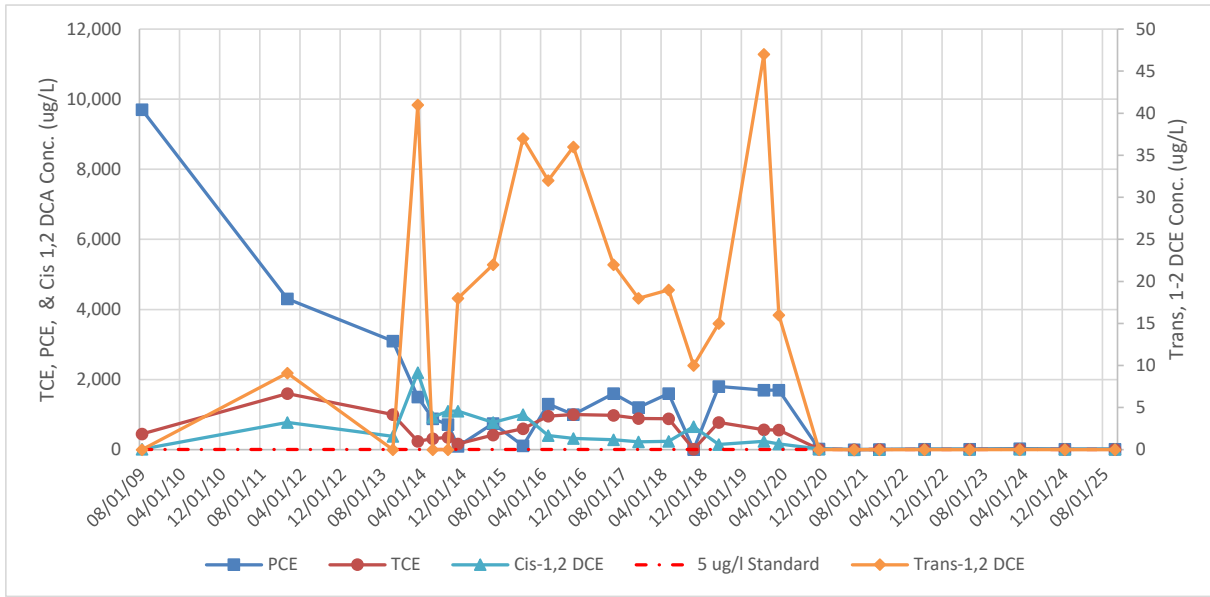




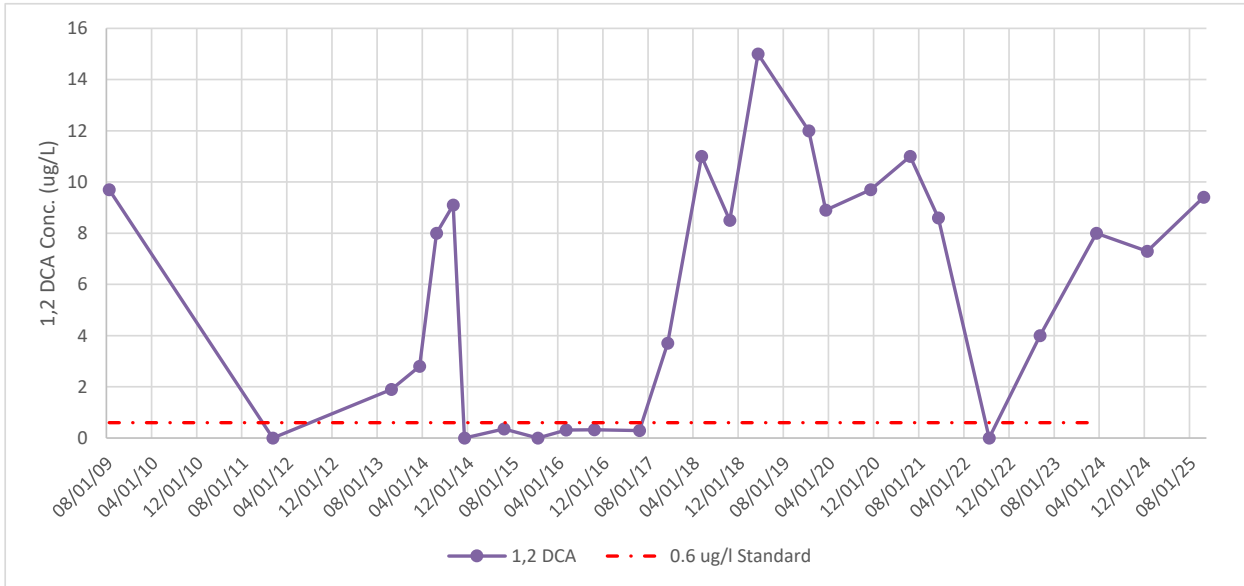
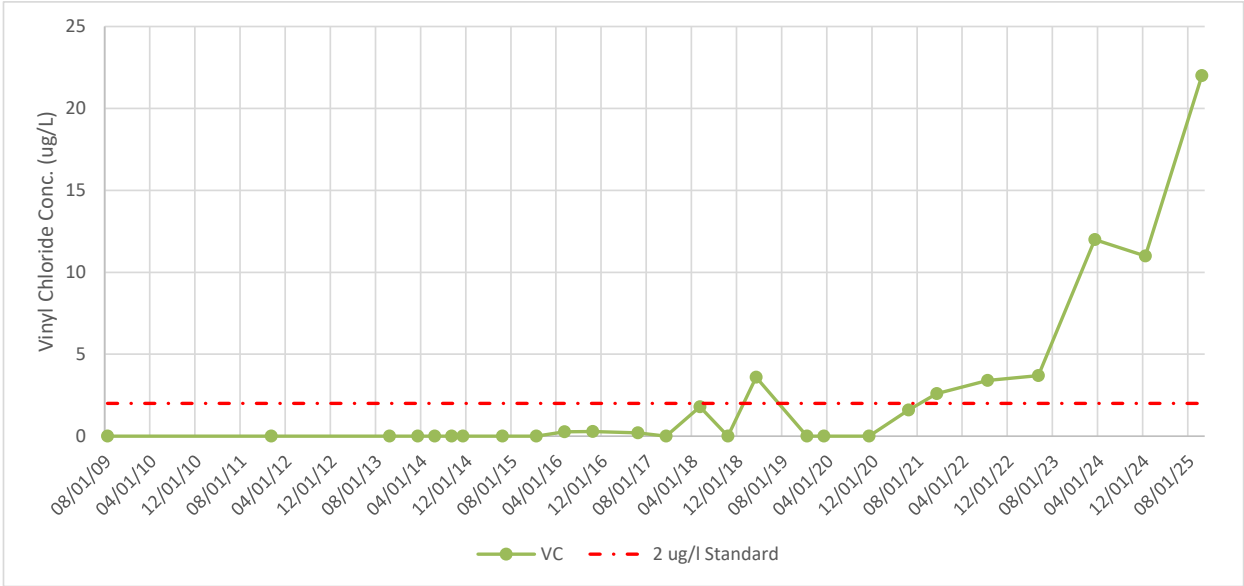
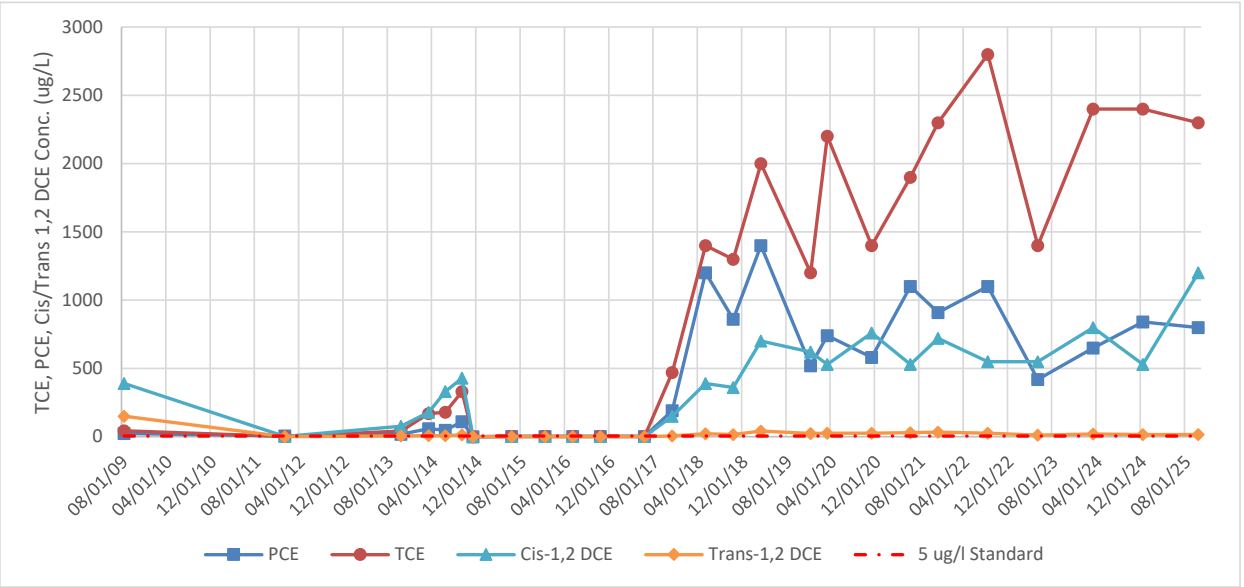
**Groundwater Quality Trends**  
**Monitoring Well GZ-22D**  
**441 and 442 Waverly Avenue**



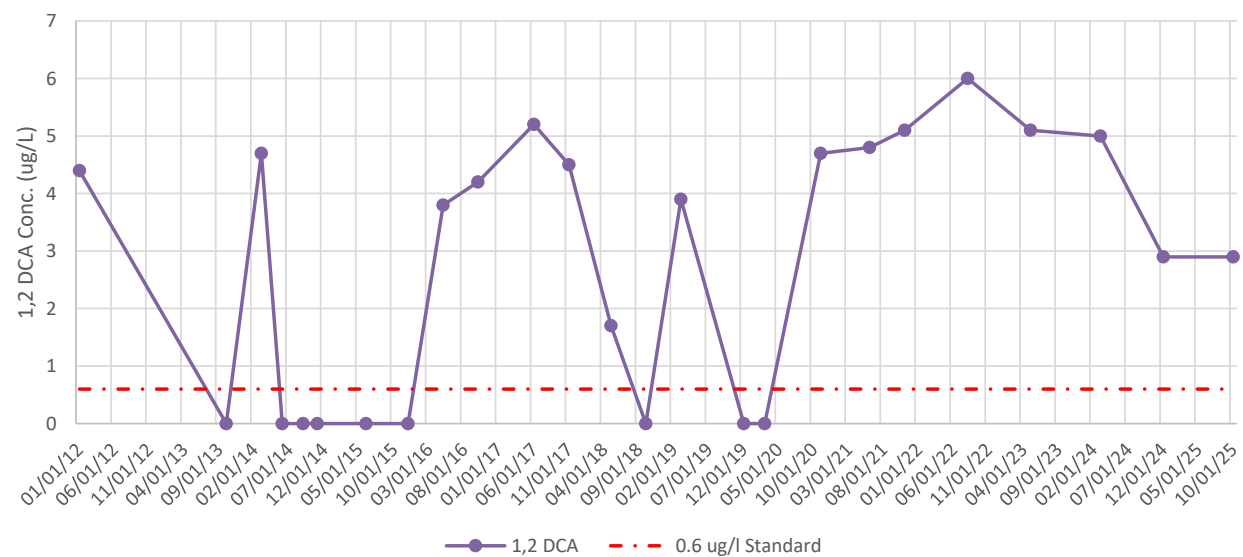
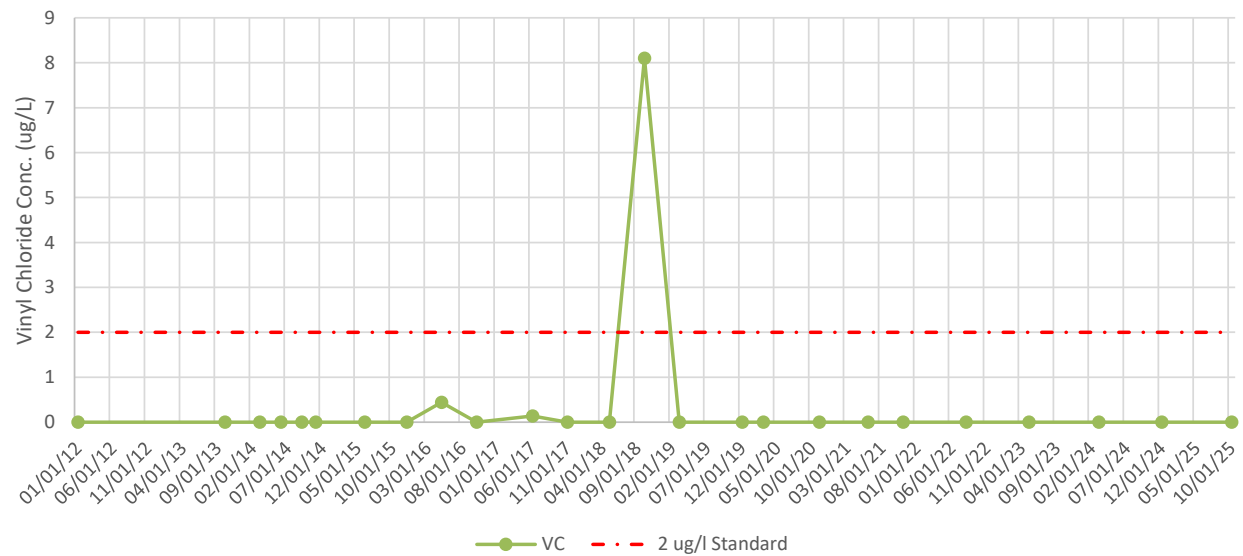
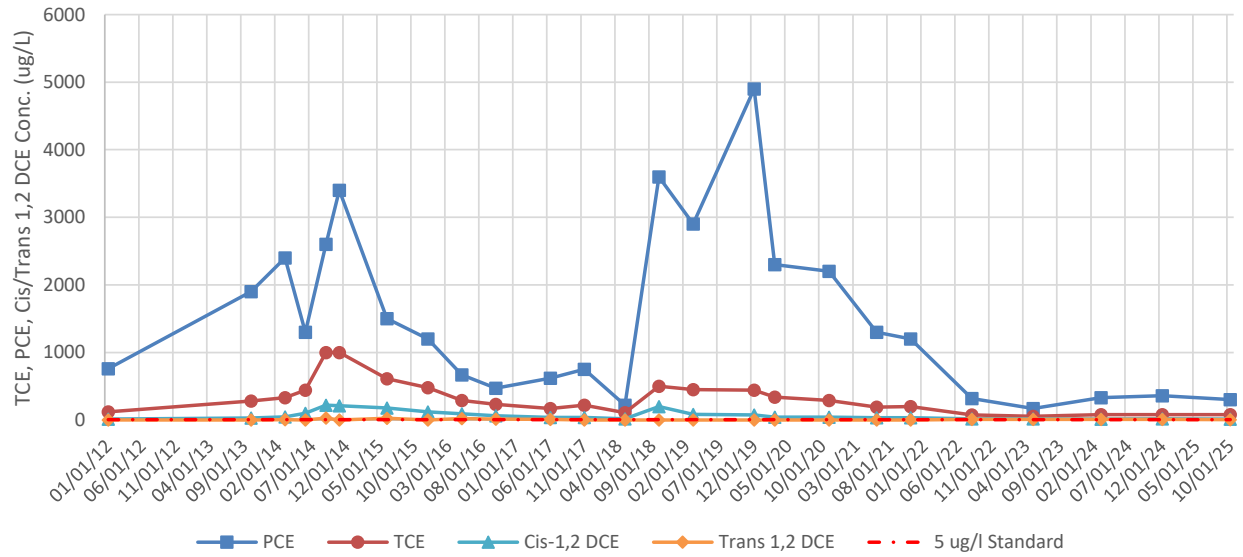
**Groundwater Quality Trends  
Monitoring Well GZ-23D  
441 and 442 Waverly Avenue**



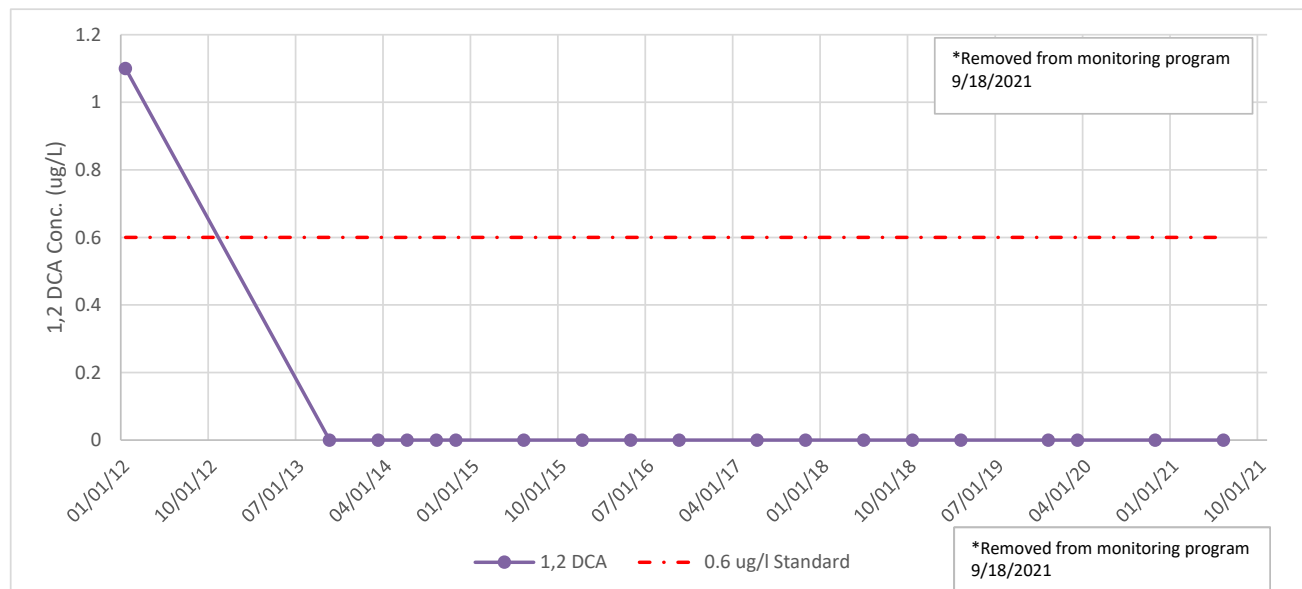
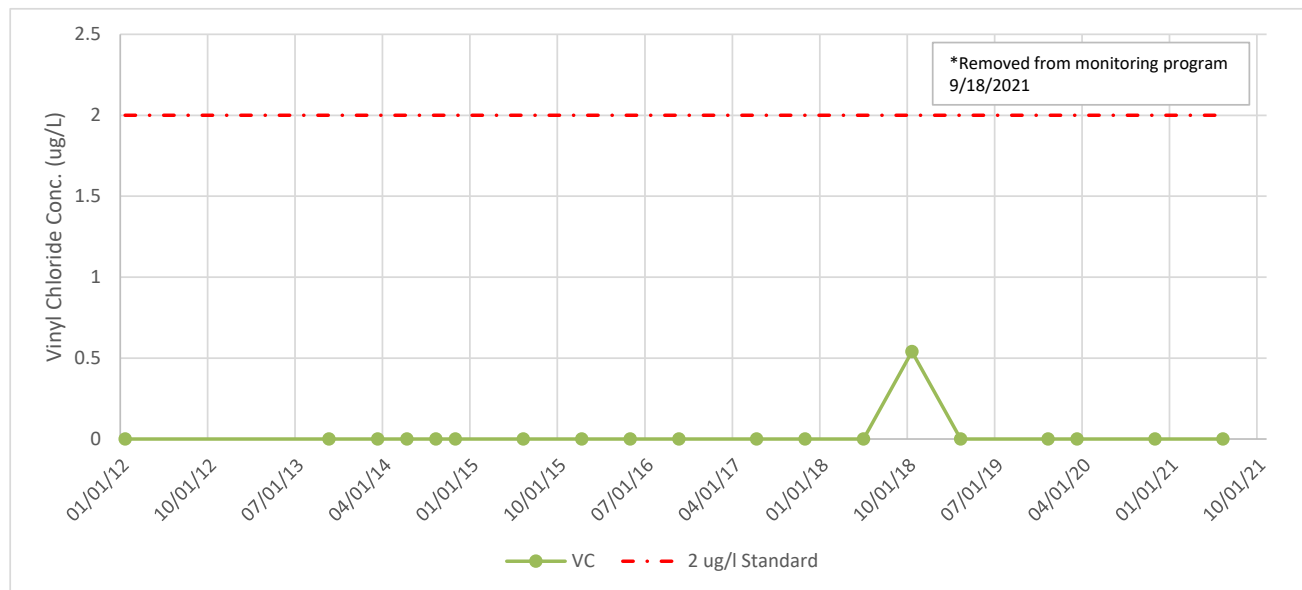
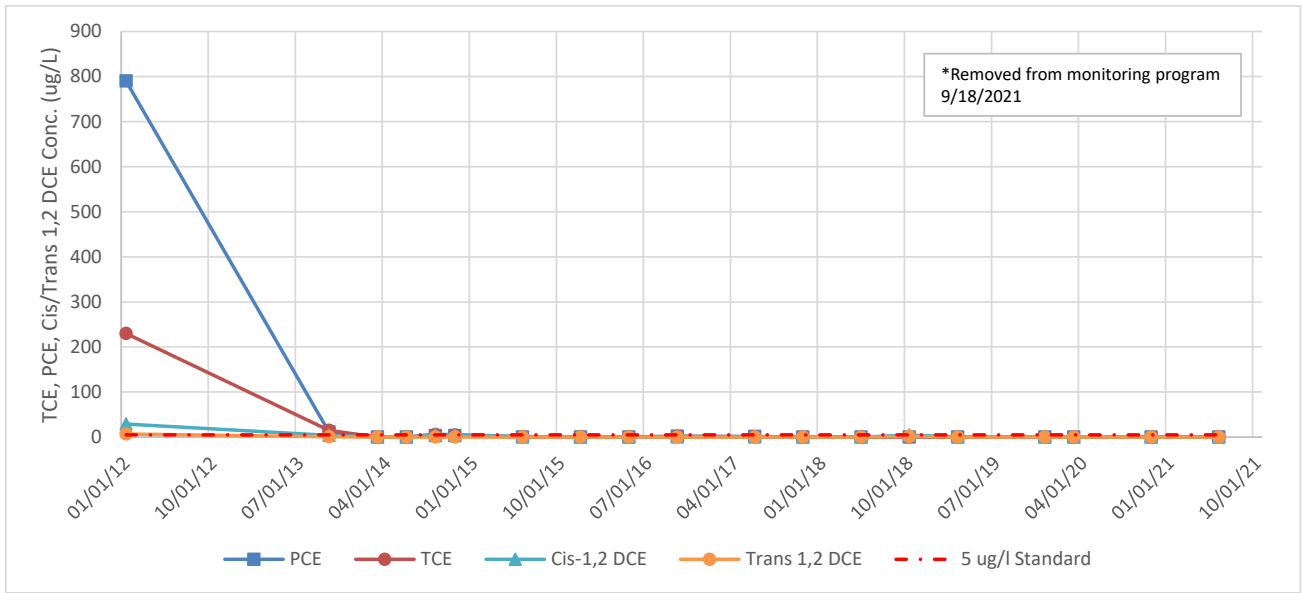
Groundwater Quality Trends  
Monitoring Well B6-OWD  
441 and 442 Waverly Avenue



**Groundwater Quality Trends**  
**Monitoring Well OSMW-3**  
**441 and 442 Waverly Avenue**



**Groundwater Quality Trends  
Monitoring Well OSMW-4  
441 and 442 Waverly Avenue**



## **DAILY FIELD REPORT**

**STERLING**

Sterling Environmental Engineering, P.C.

**DAILY FIELD REPORT**

Project Name: 441 &amp; 442 Waverly Avenue

Project No: 28012

Client Name: TJ Milo

Date: 10-13-2025

Location: Mamaroneck, NY

Personnel: PWS-Paul Scholer

Weather: 60° F Rain

## Work Description:

1000 - PWS onsite, set up at GZ-22D

1255 - Collect GZ-22D

1300 - Collect GZ-22D ms

1305 - Collect GZ-22D MSD

1350 - Collect GZ-22D, DUPLICATE 2025 @ GZ-21D

1435 Collect GZ-23D

1520 - Collect OSMW-3

1615 - Collect BB-OWD, inspect cover system, containerize  
purge water in drum.

1800 - PWS off site

Signature: 

24 Wade Road  
Latham, N.Y. 12110

Project Name:

Location Mamaroneck, NY

Field Personnel:

Measuring Device: Depth to Water Meter[illegible]



**SITE-WIDE INSPECTION FORM**  
**SITE #C360108**  
**441/442 WAVERLY AVENUE**

Date: 10-13-2025

Inspected By: PWS

| Site Property Item                 | Condition  |                | Remarks |
|------------------------------------|------------|----------------|---------|
|                                    | Acceptable | Not Acceptable |         |
| 1. Asphalt Cover                   | ✓          |                | NA      |
| 2. Light Pole Islands / Soil Cover | ✓          |                | ↓       |
| 3. Stormwater Catch Basins         | ✓          |                |         |
| 4. Entrance/Exit Ramps             | ✓          |                |         |
| 5. Retaining Walls                 | ✓          |                |         |
| 6. Fences and Gates                | ✓          |                |         |

**441/442 WAVERLY AVENUE, MAMARONECK, NEW YORK  
SITE #C360108**

**ASPHALT AND SOIL COVER SYSTEM INSPECTION FORM**

Inspector: P. Scholer Date: 10-13-2025

1. Describe cover system condition and list needed repairs (note location and photograph\*).

a. Asphalt – Inspect for cracks, potholes, and other penetrations:

Good

b. Curbed lighting areas, retaining walls, and other miscellaneous areas – Inspect for signs of erosion

Good

2. Indicate corrective actions to be taken for any and all above noted deficiencies. Note who completed the repair and date completed:

None needed

\*Attach photographs for cover systems inspection to this report with a description of each photograph taken and date.

## **PURGING/SAMPLING DATA SHEETS**

## Well Sampling Data Sheet

Project: 441 & 442 Waverly Avenue  
 Site: Mamaroneck, NY  
 Date: 10/13/2025  
 Sampling Personnel: PWJ  
 Sampling Device: Bladder Pump  
 Static Water Level: 10.00  
 Measuring Point: Top of PVC  
 Total Volume Purged: 4L

Well No.: GZ-22D  
 Sample Time: 1255  
 Well Depth: 46.0'  
 Well Diameter: 2"  
 Screen Length: 5'  
 Casing Type: Steel  
 Tubing Type: 1/2" HDPE  
 Other Info: NA

| Time | Pump Rate<br>(L/min.) | Depth to Water<br>(ft.) | Drawdown<br>( $< 1\text{m}$ ) | pH<br>( $\pm 0.1$ ) | Temp.<br>( $^{\circ}\text{C}$ ) ( $\pm 3\%$ ) | SC<br>(mS/cm) ( $\pm 3\%$ ) | ORP<br>(mV) ( $\pm 10$ ) | DO<br>(mg/L) ( $\pm 10\%$ ) | Turbidity<br>(nTu) ( $\pm 10\%$ ) |
|------|-----------------------|-------------------------|-------------------------------|---------------------|-----------------------------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|
| 1240 | 0.200                 | 10.00                   | NA                            | 6.07                | 16.7                                          | 0.838                       | 313.4                    | 6.89                        | 2.29                              |
| 1245 | 0.200                 | 10.10                   | 0.10                          | 6.51                | 16.5                                          | 0.868                       | 290.5                    | 6.20                        | 1.93                              |
| 1250 | 0.200                 | 10.10                   | 0.90                          | 6.59                | 16.7                                          | 0.870                       | 284.6                    | 6.14                        | 1.98                              |
| 1255 | 0.200                 | 10.10                   | 0.00                          | 6.60                | 16.5                                          | 0.870                       | 283.4                    | 6.70                        | 2.07                              |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |

Notes: < 1ppm, No Odor, No Sheen

Types of Samples Collected: VOCs GZ-22D MS @ 1300 GZ-22D MSD @ 1305

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.,  $\text{Vol}_{\text{cyl}} = \pi r^2 h$ , 1 ft<sup>3</sup> = 7.48 gal./28.31L

## Well Sampling Data Sheet

Project: 441 & 442 Waverly Avenue  
 Site: Mamaroneck, NY  
 Date: 10-13-2025  
 Sampling Personnel: PWS  
 Sampling Device: Bladder Pump  
 Static Water Level: 8.83  
 Measuring Point: Top of PVC  
 Total Volume Purged: 5 L

Well No.: GZ-21D  
 Sample Time: 1350  
 Well Depth: 44.21'  
 Well Diameter: 2"  
 Screen Length: 5'  
 Casing Type: Steel  
 Tubing Type: 1/4" HDPE  
 Other Info: NA

| Time | Pump Rate<br>(L/min.) | Depth to Water<br>(ft.) | Drawdown<br>( $< 1$ m) | pH<br>( $\pm 0.1$ ) | Temp.<br>( $^{\circ}$ C) ( $\pm 3\%$ ) | SC<br>(mS/cm) ( $\pm 3\%$ ) | ORP<br>(mV) ( $\pm 10$ ) | DO<br>(mg/L) ( $\pm 10\%$ ) | Turbidity<br>(nTu) ( $\pm 10\%$ ) |
|------|-----------------------|-------------------------|------------------------|---------------------|----------------------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|
| 1330 | 0.200                 | 8.83                    | NA                     | 6.81                | 16.1                                   | 1.198                       | -60.6                    | 4.54                        | 4.24                              |
| 1335 | 0.200                 | 9.01                    | 0.18                   | 6.62                | 16.5                                   | 2.358                       | 12.4                     | 0.58                        | 4.75                              |
| 1340 | 0.200                 | 9.10                    | 0.27                   | 6.67                | 16.2                                   | 2.356                       | 47.4                     | 0.50                        | 9.49                              |
| 1345 | 0.200                 | 9.12                    | 0.29                   | 6.69                | 16.0                                   | 2.354                       | 79.1                     | 0.37                        | 7.46                              |
| 1350 | 0.200                 | 9.12                    | 0.29                   | 6.70                | 16.0                                   | 2.358                       | 53.7                     | 0.46                        | 8.88                              |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                        |                             |                          |                             |                                   |

Notes: Clear, No Odor, No Sheen

Types of Samples Collected:

VO GS

PVP10132025 e GZ-21D

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.,  $\text{Vol}_{\text{cyl}} = \pi r^2 h$ , 1 ft<sup>3</sup> = 7.48 gal./28.31L



Sterling Environmental Engineering, P.C.

# Well Sampling Data Sheet

Project: 441 & 442 Waverly Avenue  
 Site: Mamaroneck, NY  
 Date: 10-13-2025  
 Sampling Personnel: PWS  
 Sampling Device: Waterra  
 Static Water Level: 10.80  
 Measuring Point: Top of PVC  
 Total Volume Purged: 51

Well No.: GZ-23D  
 Sample Time: 1435  
 Well Depth: 44.86'  
 Well Diameter: 2"  
 Screen Length: 5'  
 Casing Type: Steel  
 Tubing Type: 1/4" HDPE  
 Other Info: Bends in Well

| Time | Pump Rate<br>(L/min.) | Depth to Water<br>(ft.) | Drawdown<br>( $< 1\text{m}$ ) | pH<br>( $\pm 0.1$ ) | Temp.<br>( $^{\circ}\text{C}$ ) ( $\pm 3\%$ ) | SC<br>(mS/cm) ( $\pm 3\%$ ) | ORP<br>(mV) ( $\pm 10$ ) | DO<br>(mg/L) ( $\pm 10\%$ ) | Turbidity<br>(nTu) ( $\pm 10\%$ ) |
|------|-----------------------|-------------------------|-------------------------------|---------------------|-----------------------------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|
| 1416 | 0.200                 | 10.80                   | NA                            | 6.58                | 17.4                                          | 0.528                       | 35.7                     | 0.52                        | 586.81                            |
| 1420 | 0.200                 | 10.80                   | 0.0                           | 6.32                | 17.4                                          | 0.555                       | 25.0                     | 0.50                        | 201.32                            |
| 1425 | 0.200                 | 10.80                   |                               | 6.30                | 17.4                                          | 0.552                       | 22.8                     | 0.44                        | 70.33                             |
| 1430 | 0.200                 | 10.80                   |                               | 6.29                | 17.4                                          | 0.556                       | 23.3                     | 0.43                        | 113.20                            |
| 1435 | 0.200                 | 10.80                   |                               | 6.28                | 17.4                                          | 0.565                       | 23.8                     | 0.43                        | 74.42                             |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                   |

Notes: Clear, Sweet Odor, No Sheen water was red during purging

Types of Samples Collected: VOCs

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.,  $\text{Vol}_{\text{cyl}} = \pi r^2 h$ , 1 ft<sup>3</sup> = 7.48 gal./28.31L

## Well Sampling Data Sheet

Project: 441 & 442 Waverly Avenue  
 Site: Mamaroneck, NY  
 Date: 10-13-2025  
 Sampling Personnel: PUKS  
 Sampling Device: Peristaltic Pump  
 Static Water Level: 9.80  
 Measuring Point: Top of PVC  
 Total Volume Purged: 4L

Well No.: OSMW-3  
 Sample Time: 1520  
 Well Depth: 39.40'  
 Well Diameter: 1"  
 Screen Length: NA  
 Casing Type: Steel  
 Tubing Type: 1/4" HDPE  
 Other Info: NA

| Time | Pump Rate<br>(L/min.) | Depth to Water<br>(ft.) | Drawdown<br>( $< 1\text{m}$ ) | pH<br>( $\pm 0.1$ ) | Temp.<br>( $^{\circ}\text{C}$ ) ( $\pm 3\%$ ) | SC<br>(mS/cm) ( $\pm 3\%$ ) | ORP<br>(mV) ( $\pm 10$ ) | DO<br>(mg/L) ( $\pm 10\%$ ) | Turbidity<br>(nTu)( $\pm 10\%$ ) |
|------|-----------------------|-------------------------|-------------------------------|---------------------|-----------------------------------------------|-----------------------------|--------------------------|-----------------------------|----------------------------------|
| 1505 | 0.200                 | 9.80                    | NA                            | 6.73                | 16.3                                          | 1.100                       | 9.1                      | 1.64                        | 29.04                            |
| 1510 | 0.200                 | 9.90                    | 0.10                          | 6.72                | 16.2                                          | 1.109                       | -11.8                    | 0.54                        | 2.33                             |
| 1515 | 0.200                 | 9.90                    | 0.00                          | 6.73                | 16.2                                          | 1.108                       | -14.6                    | 0.50                        | 1.71                             |
| 1526 | 0.200                 | 9.90                    | 0.00                          | 6.74                | 16.1                                          | 1.105                       | -18.7                    | 0.47                        | 1.98                             |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |
|      |                       |                         |                               |                     |                                               |                             |                          |                             |                                  |

Notes: Clear, No odor, No Seen

Types of Samples Collected:

VOCs

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.,  $\text{Vol}_{\text{cyl}} = \pi r^2 h$ ,  $1 \text{ ft}^3 = 7.48 \text{ gal./28.31L}$

## Well Sampling Data Sheet

Project: 441 & 442 Waverly Avenue  
 Site: Mamaroneck, NY  
 Date: 10-13-2025  
 Sampling Personnel: PWS  
 Sampling Device: Peristaltic Pump  
 Static Water Level: 9.45  
 Measuring Point: Top of PVC  
 Total Volume Purged:

Well No.: B6-OWD  
 Sample Time:  
 Well Depth: 36.05'  
 Well Diameter: 2"  
 Screen Length: 5'  
 Casing Type: NA  
 Tubing Type: 1/4" HDPE  
 Other Info: NA

| Time | Pump Rate<br>(L/min.) | Depth to Water<br>(ft.) | Drawdown<br>( $< 1$ m) | pH<br>( $\pm 0.1$ ) | Temp.<br>( $^{\circ}\text{C}$ ) ( $\pm 3\%$ ) | SC<br>(mS/cm) ( $\pm 3\%$ ) | ORP<br>(mV) ( $\pm 10$ ) | DO<br>(mg/L) ( $\pm 10\%$ ) | Turbidity<br>(nTu) ( $\pm 10\%$ ) |
|------|-----------------------|-------------------------|------------------------|---------------------|-----------------------------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|
| 1550 | 0.200                 | 9.45                    | NA                     | 7.04                | 16.5                                          | 1.895                       | -107.0                   | 1.12                        | 29.0                              |
| 1555 | ↓                     | ↓                       | ↓                      | 7.05                | 16.5                                          | 1.917                       | -113.8                   | 0.84                        | 55.37                             |
| 1600 | ↓                     | ↓                       | ↓                      | 7.06                | 16.5                                          | 1.937                       | -116.7                   | 0.50                        | 106.73                            |
| 1605 | ↓                     | ↓                       | ↓                      | 7.08                | 16.4                                          | 1.930                       | -138.7                   | 0.55                        | 26.26                             |
| 1610 | ↓                     | ↓                       | ↓                      | 7.09                | 16.4                                          | 1.927                       | -142.5                   | 0.45                        | 28.72                             |
| 1615 | 0.200                 | 9.85                    | 0.10                   |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |
|      |                       |                         |                        |                     |                                               |                             |                          |                             |                                   |

Notes: Clear, No odor, No Sheen

Types of Samples Collected: VOLs

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.,  $\text{Vol}_{\text{cyl}} = \pi r^2 h$ , 1 ft<sup>3</sup> = 7.48 gal./28.31L



**LABORATORY ANALYSIS REPORT  
AND  
DATA USABILITY SUMMARY REPORT (DUSR)**



Friday, October 24, 2025

Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

Project ID: WAVERLY  
SDG ID: GCU49463  
Sample ID#s: CU49463 - CU49469

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

October 24, 2025

SDG I.D.: GCU49463

---

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.



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Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

October 24, 2025

SDG I.D.: GCU49463

Project ID: WAVERLY

---

| Client Id   | Lab Id  | Matrix       | Col Date       |
|-------------|---------|--------------|----------------|
| GZ-22D      | CU49463 | GROUND WATER | 10/13/25 12:55 |
| GZ-21D      | CU49464 | GROUND WATER | 10/13/25 13:50 |
| GZ-23D      | CU49465 | GROUND WATER | 10/13/25 14:35 |
| OSMW-3      | CU49466 | GROUND WATER | 10/13/25 15:20 |
| B6-OWD      | CU49467 | GROUND WATER | 10/13/25 16:15 |
| TB10132025  | CU49468 | WATER        | 10/13/25 0:00  |
| DUP10132025 | CU49469 | GROUND WATER | 10/13/25 0:00  |



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

October 24, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

## Date

10/13/25 12:55  
10/14/25 17:05

## Time

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49463

Project ID: WAVERLY  
Client ID: GZ-22D

| Parameter     | Result    | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference |
|---------------|-----------|------------|-------|----------|-----------|----|-----------|
| Client MS/MSD | Completed |            |       |          | 10/15/25  |    |           |

## Volatiles

|                             |    |      |      |   |          |    |         |
|-----------------------------|----|------|------|---|----------|----|---------|
| 1,1,1,2-Tetrachloroethane   | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1,1-Trichloroethane       | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1,2,2-Tetrachloroethane   | ND | 0.50 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1,2-Trichloroethane       | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1-Dichloroethane          | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1-Dichloroethene          | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1-Dichloropropene         | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,3-Trichlorobenzene      | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,3-Trichloropropane      | ND | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,4-Trichlorobenzene      | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,4-Trimethylbenzene      | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dibromoethane           | ND | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dichlorobenzene         | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dichloroethane          | 15 | 0.60 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dichloropropane         | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,3,5-Trimethylbenzene      | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,3-Dichlorobenzene         | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,3-Dichloropropane         | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,4-Dichlorobenzene         | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2,2-Dichloropropane         | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2-Chlorotoluene             | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2-Hexanone                  | ND | 5.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2-Isopropyltoluene          | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 4-Chlorotoluene             | ND | 1.0  | ug/L | 1 | 10/14/25 | MH | SW8260D |

| Parameter                   | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|-----------------------------|--------|------------|-------|----------|-----------|----|------------|
| 4-Methyl-2-pentanone        | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acetone                     | ND     | 25         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                     | 1.6    | 0.70       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane        | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide            | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene      | 11     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene     | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane        | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane              | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene         | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene            | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone         | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE) | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene              | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene            | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene           | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene           | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)       | ND     | 2.5        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene    | 61     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene   | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride              | 8.1    | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b>QA/QC Surrogates</b>     |        |            |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4    | 105    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene        | 90     |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1

| Parameter                     | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|-------------------------------|--------|------------|-------|----------|-----------|----|------------|
| % Dibromofluoromethane        | 108    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Toluene-d8                  | 97     |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (5x) | 101    |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)     | 91     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)   | 94     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (5x)             | 103    |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 24, 2025**

**Reviewed and Released by: Alejandro Paredes, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



## Analysis Report

October 24, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

### Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

10/13/25 13:50  
10/14/25 17:05

### Time

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49464

Project ID: WAVERLY  
Client ID: GZ-21D

| Parameter                   | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------|----------|-----------|----|-----------|
| <b><u>Volatiles</u></b>     |        |            |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 51     | 3.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |



| Parameter                      | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 25         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                        | ND     | 0.70       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | 76     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene              | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 2.5        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | 1.3    | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b><u>QA/QC Surrogates</u></b> |        |            |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4       | 106    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene           | 87     |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Dibromofluoromethane         | 103    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1

| Parameter                     | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|-------------------------------|--------|------------|-------|----------|-----------|----|------------|
| % Toluene-d8                  | 98     |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (5x) | 103    |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)     | 92     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)   | 96     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (5x)             | 100    |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

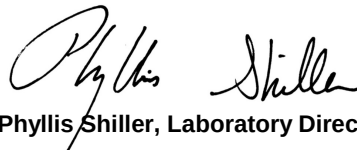
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 24, 2025**

**Reviewed and Released by: Alejandro Paredes, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



## Analysis Report

October 24, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

### Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

10/13/25 14:35  
10/14/25 17:05

### Time

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49465

Project ID: WAVERLY  
Client ID: GZ-23D

| Parameter                   | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------|----------|-----------|----|-----------|
| <b><u>Volatiles</u></b>     |        |            |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 0.89   | 0.60       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |

| Parameter                      | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 25         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                        | 11     | 0.70       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                   | 2.8    | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | 12     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                       | 1.4    | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene              | 13     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 2.5        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes                  | 1.4    | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene                | 8.3    | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride                 | 2.3    | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b><u>QA/QC Surrogates</u></b> |        |            |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4       | 119    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene           | 103    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Dibromofluoromethane         | 109    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |

| Parameter    | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------|--------|------------|-------|----------|-----------|----|------------|
| % Toluene-d8 | 97     |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

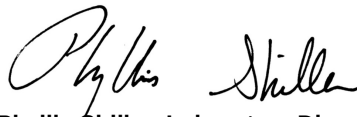
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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**Phyllis Shiller, Laboratory Director**

**October 24, 2025**

**Reviewed and Released by: Alejandro Paredes, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



## Analysis Report

October 24, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

### Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

10/13/25 15:20  
10/14/25 17:05

### Time

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49466

Project ID: WAVERLY  
Client ID: OSMW-3

| Parameter                   | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------|----------|-----------|----|-----------|
| <b><u>Volatiles</u></b>     |        |            |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 2.5        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 2.5        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 4.7        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 2.9    | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 3.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 25         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 25         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |

| Parameter                      | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 50         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Benzene                        | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromobenzene                   | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 2.5        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromoform                      | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 25         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chloroform                     | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | 15     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 2.5        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 25         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| o-Xylene                       | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Styrene                        | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Tetrachloroethene              | 300    | 40         | ug/L  | 40       | 10/15/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 13         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Toluene                        | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Total Xylenes                  | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | 6.7    | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 1.3        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 13         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Trichloroethene                | 79     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Vinyl chloride                 | ND     | 2.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| <b><u>QA/QC Surrogates</u></b> |        |            |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4 (5x)  | 103    |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)      | 88     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)    | 97     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |

| Parameter                      | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------|----------|-----------|----|------------|
| % Toluene-d8 (5x)              | 98     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (40x) | 103    |            | %     | 40       | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (40x)     | 89     |            | %     | 40       | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (40x)   | 94     |            | %     | 40       | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (40x)             | 103    |            | %     | 40       | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

October 24, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

October 24, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

| Date     | Time  |
|----------|-------|
| 10/13/25 | 16:15 |
| 10/14/25 | 17:05 |

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49467

Project ID: WAVERLY  
Client ID: B6-OWD

| Parameter                   | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>            |        |            |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 2.5        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 10         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 2.5        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 10         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 2.5        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 4.7        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 9.4    | 6.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 2.5        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 3.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 50         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 50         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |

| Parameter                      | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 50         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Benzene                        | 7.7    | 7.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromobenzene                   | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromoform                      | ND     | 10         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 50         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chloroform                     | ND     | 7.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | 1200   | 100        | ug/L  | 100      | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 2.5        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 2.5        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 10         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 50         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 10         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| o-Xylene                       | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Styrene                        | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Tetrachloroethene              | 800    | 100        | ug/L  | 100      | 10/15/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 25         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Toluene                        | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Total Xylenes                  | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | 16     | 10         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 2.5        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 25         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Trichloroethene                | 2300   | 100        | ug/L  | 100      | 10/15/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 5.0        | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Vinyl chloride                 | 22     | 10         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| <b><u>QA/QC Surrogates</u></b> |        |            |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4 (10x) | 117    |            | %     | 10       | 10/17/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (10x)     | 76     |            | %     | 10       | 10/17/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (10x)   | 106    |            | %     | 10       | 10/17/25  | MH | 70 - 130 % |

| Parameter                       | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|---------------------------------|--------|------------|-------|----------|-----------|----|------------|
| % Toluene-d8 (10x)              | 110    |            | %     | 10       | 10/17/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (100x) | 105    |            | %     | 100      | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (100x)     | 90     |            | %     | 100      | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (100x)   | 98     |            | %     | 100      | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (100x)             | 98     |            | %     | 100      | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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Phyllis Shiller, Laboratory Director

October 24, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



## Analysis Report

October 24, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

### Sample Information

Matrix: WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

10/13/25  
10/14/25 17:05

### Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49468

Project ID: WAVERLY  
Client ID: TB10132025

| Parameter                   | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------|----------|-----------|----|-----------|
| <b><u>Volatiles</u></b>     |        |            |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | ND     | 0.60       | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |

| Parameter                      | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 25         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                        | ND     | 0.70       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                      | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 0.50       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene              | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 2.5        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                        | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes                  | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 0.40       | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 5.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene                | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride                 | ND     | 1.0        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b><u>QA/QC Surrogates</u></b> |        |            |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4       | 101    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene           | 91     |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Dibromofluoromethane         | 106    |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1

| Parameter    | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------|--------|------------|-------|----------|-----------|----|------------|
| % Toluene-d8 | 94     |            | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

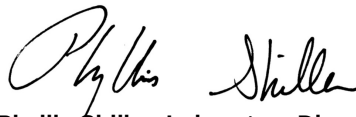
**Comments:**

TRIP BLANK INCLUDED.

**Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 24, 2025**

**Reviewed and Released by: Alejandro Paredes, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



## Analysis Report

October 24, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

### Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

10/13/25  
10/14/25 17:05

### Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49469

Project ID: WAVERLY  
Client ID: DUP10132025

| Parameter                   | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------|----------|-----------|----|-----------|
| <b><u>Volatiles</u></b>     |        |            |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 49     | 3.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |

| Parameter                      | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 25         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Benzene                        | ND     | 0.70       | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromobenzene                   | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 0.50       | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromoform                      | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 5.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chloroform                     | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | 76     | 5.0        | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 0.40       | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 0.50       | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 0.40       | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 5.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| o-Xylene                       | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Styrene                        | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Tetrachloroethene              | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 2.5        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Toluene                        | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Total Xylenes                  | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | 1.1    | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 0.40       | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 5.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Trichloroethene                | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Vinyl chloride                 | ND     | 1.0        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| <b><u>QA/QC Surrogates</u></b> |        |            |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4       | 113    |            | %     | 1        | 10/19/25  | MH | 70 - 130 % |
| % Bromofluorobenzene           | 83     |            | %     | 1        | 10/19/25  | MH | 70 - 130 % |
| % Dibromofluoromethane         | 101    |            | %     | 1        | 10/19/25  | MH | 70 - 130 % |

1



| Parameter                     | Result | RL/<br>PQL | Units | Dilution | Date/Time | By | Reference  |
|-------------------------------|--------|------------|-------|----------|-----------|----|------------|
| % Toluene-d8                  | 98     |            | %     | 1        | 10/19/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (5x) | 101    |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)     | 90     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)   | 99     |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (5x)             | 100    |            | %     | 5        | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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**Phyllis Shiller, Laboratory Director**

**October 24, 2025**

**Reviewed and Released by: Alejandro Paredes, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



## QA/QC Report

October 24, 2025

### QA/QC Data

SDG I.D.: GCU49463

| Parameter                                                                             | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------------------------------------------------------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 808777 (ug/L), QC Sample No: CU49463 (CU49463, CU49464, CU49465, CU49468) |       |           |          |           |            |         |          |           |                    |                    |
| <b>Volatiles - Ground Water</b>                                                       |       |           |          |           |            |         |          |           |                    |                    |
| 1,1,1,2-Tetrachloroethane                                                             | ND    | 1.0       | 103      | 111       | 7.5        | 100     | 104      | 3.9       | 70 - 130           | 20                 |
| 1,1,1-Trichloroethane                                                                 | ND    | 1.0       | 108      | 108       | 0.0        | 112     | 115      | 2.6       | 70 - 130           | 20                 |
| 1,1,2,2-Tetrachloroethane                                                             | ND    | 0.50      | 98       | 101       | 3.0        | 93      | 97       | 4.2       | 70 - 130           | 20                 |
| 1,1,2-Trichloroethane                                                                 | ND    | 1.0       | 106      | 111       | 4.6        | 104     | 111      | 6.5       | 70 - 130           | 20                 |
| 1,1-Dichloroethane                                                                    | ND    | 1.0       | 109      | 107       | 1.9        | 110     | 114      | 3.6       | 70 - 130           | 20                 |
| 1,1-Dichloroethene                                                                    | ND    | 1.0       | 107      | 107       | 0.0        | 112     | 117      | 4.4       | 70 - 130           | 20                 |
| 1,1-Dichloropropene                                                                   | ND    | 1.0       | 98       | 108       | 9.7        | 103     | 108      | 4.7       | 70 - 130           | 20                 |
| 1,2,3-Trichlorobenzene                                                                | ND    | 1.0       | 99       | 104       | 4.9        | 95      | 100      | 5.1       | 70 - 130           | 20                 |
| 1,2,3-Trichloropropane                                                                | ND    | 1.0       | 98       | 98        | 0.0        | 89      | 96       | 7.6       | 70 - 130           | 20                 |
| 1,2,4-Trichlorobenzene                                                                | ND    | 1.0       | 99       | 106       | 6.8        | 95      | 100      | 5.1       | 70 - 130           | 20                 |
| 1,2,4-Trimethylbenzene                                                                | ND    | 1.0       | 109      | 116       | 6.2        | 106     | 112      | 5.5       | 70 - 130           | 20                 |
| 1,2-Dibromo-3-chloropropane                                                           | ND    | 1.0       | 106      | 100       | 5.8        | 89      | 101      | 12.6      | 70 - 130           | 20                 |
| 1,2-Dibromoethane                                                                     | ND    | 1.0       | 105      | 109       | 3.7        | 96      | 101      | 5.1       | 70 - 130           | 20                 |
| 1,2-Dichlorobenzene                                                                   | ND    | 1.0       | 96       | 101       | 5.1        | 92      | 95       | 3.2       | 70 - 130           | 20                 |
| 1,2-Dichloroethane                                                                    | ND    | 1.0       | 96       | 109       | 12.7       | 85      | 88       | 3.5       | 70 - 130           | 20                 |
| 1,2-Dichloropropane                                                                   | ND    | 1.0       | 105      | 111       | 5.6        | 106     | 109      | 2.8       | 70 - 130           | 20                 |
| 1,3,5-Trimethylbenzene                                                                | ND    | 1.0       | 109      | 117       | 7.1        | 109     | 112      | 2.7       | 70 - 130           | 20                 |
| 1,3-Dichlorobenzene                                                                   | ND    | 1.0       | 100      | 104       | 3.9        | 97      | 100      | 3.0       | 70 - 130           | 20                 |
| 1,3-Dichloropropane                                                                   | ND    | 1.0       | 106      | 110       | 3.7        | 100     | 103      | 3.0       | 70 - 130           | 20                 |
| 1,4-Dichlorobenzene                                                                   | ND    | 1.0       | 96       | 101       | 5.1        | 94      | 97       | 3.1       | 70 - 130           | 20                 |
| 2,2-Dichloropropane                                                                   | ND    | 1.0       | 112      | 111       | 0.9        | 97      | 100      | 3.0       | 70 - 130           | 20                 |
| 2-Chlorotoluene                                                                       | ND    | 1.0       | 103      | 109       | 5.7        | 101     | 108      | 6.7       | 70 - 130           | 20                 |
| 2-Hexanone                                                                            | ND    | 5.0       | 97       | 101       | 4.0        | 98      | 103      | 5.0       | 70 - 130           | 20                 |
| 2-Isopropyltoluene                                                                    | ND    | 1.0       | 105      | 113       | 7.3        | 105     | 112      | 6.5       | 70 - 130           | 20                 |
| 4-Chlorotoluene                                                                       | ND    | 1.0       | 97       | 105       | 7.9        | 99      | 104      | 4.9       | 70 - 130           | 20                 |
| 4-Methyl-2-pentanone                                                                  | ND    | 5.0       | 102      | 102       | 0.0        | 92      | 102      | 10.3      | 70 - 130           | 20                 |
| Acetone                                                                               | ND    | 5.0       | 103      | 96        | 7.0        | 138     | 146      | 5.6       | 70 - 130           | 20 m               |
| Acrylonitrile                                                                         | ND    | 5.0       | 112      | 104       | 7.4        | 103     | 121      | 16.1      | 70 - 130           | 20                 |
| Benzene                                                                               | ND    | 0.70      | 106      | 112       | 5.5        | 105     | 110      | 4.7       | 70 - 130           | 20                 |
| Bromobenzene                                                                          | ND    | 1.0       | 97       | 106       | 8.9        | 96      | 101      | 5.1       | 70 - 130           | 20                 |
| Bromochloromethane                                                                    | ND    | 1.0       | 110      | 105       | 4.7        | 106     | 109      | 2.8       | 70 - 130           | 20                 |
| Bromodichloromethane                                                                  | ND    | 0.50      | 107      | 112       | 4.6        | 102     | 109      | 6.6       | 70 - 130           | 20                 |
| Bromoform                                                                             | ND    | 1.0       | 105      | 114       | 8.2        | 95      | 100      | 5.1       | 70 - 130           | 20                 |
| Bromomethane                                                                          | ND    | 1.0       | 85       | 93        | 9.0        | 50      | 62       | 21.4      | 70 - 130           | 20 m,r             |
| Carbon Disulfide                                                                      | ND    | 1.0       | 111      | 111       | 0.0        | 113     | 120      | 6.0       | 70 - 130           | 20                 |
| Carbon tetrachloride                                                                  | ND    | 1.0       | 102      | 102       | 0.0        | 107     | 112      | 4.6       | 70 - 130           | 20                 |
| Chlorobenzene                                                                         | ND    | 1.0       | 99       | 106       | 6.8        | 102     | 104      | 1.9       | 70 - 130           | 20                 |
| Chloroethane                                                                          | ND    | 1.0       | 112      | 116       | 3.5        | 115     | 114      | 0.9       | 70 - 130           | 20                 |
| Chloroform                                                                            | ND    | 1.0       | 102      | 101       | 1.0        | 101     | 105      | 3.9       | 70 - 130           | 20                 |
| Chloromethane                                                                         | ND    | 1.0       | 101      | 106       | 4.8        | 107     | 112      | 4.6       | 70 - 130           | 20                 |
| cis-1,2-Dichloroethene                                                                | ND    | 1.0       | 114      | 111       | 2.7        | 112     | 124      | 10.2      | 70 - 130           | 20                 |

# QA/QC Data

SDG I.D.: GCU49463

| Parameter                   | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-----------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| cis-1,3-Dichloropropene     | ND    | 0.40      | 109      | 121       | 10.4       | 105     | 113      | 7.3       | 70 - 130           | 20                 |
| Dibromochloromethane        | ND    | 0.50      | 103      | 109       | 5.7        | 95      | 100      | 5.1       | 70 - 130           | 20                 |
| Dibromomethane              | ND    | 1.0       | 105      | 112       | 6.5        | 103     | 109      | 5.7       | 70 - 130           | 20                 |
| Dichlorodifluoromethane     | ND    | 1.0       | 115      | 123       | 6.7        | 113     | 113      | 0.0       | 70 - 130           | 20                 |
| Ethylbenzene                | ND    | 1.0       | 107      | 116       | 8.1        | 108     | 114      | 5.4       | 70 - 130           | 20                 |
| Hexachlorobutadiene         | ND    | 0.40      | 97       | 111       | 13.5       | 100     | 105      | 4.9       | 70 - 130           | 20                 |
| Isopropylbenzene            | ND    | 1.0       | 100      | 113       | 12.2       | 108     | 114      | 5.4       | 70 - 130           | 20                 |
| m&p-Xylene                  | ND    | 1.0       | 110      | 118       | 7.0        | 111     | 114      | 2.7       | 70 - 130           | 20                 |
| Methyl ethyl ketone         | ND    | 5.0       | 112      | 102       | 9.3        | 113     | 123      | 8.5       | 70 - 130           | 20                 |
| Methyl t-butyl ether (MTBE) | ND    | 1.0       | 115      | 110       | 4.4        | 100     | 106      | 5.8       | 70 - 130           | 20                 |
| Methylene chloride          | ND    | 1.0       | 105      | 103       | 1.9        | 102     | 106      | 3.8       | 70 - 130           | 20                 |
| Naphthalene                 | ND    | 1.0       | 105      | 111       | 5.6        | 97      | 110      | 12.6      | 70 - 130           | 20                 |
| n-Butylbenzene              | ND    | 1.0       | 107      | 116       | 8.1        | 105     | 112      | 6.5       | 70 - 130           | 20                 |
| n-Propylbenzene             | ND    | 1.0       | 98       | 110       | 11.5       | 101     | 111      | 9.4       | 70 - 130           | 20                 |
| o-Xylene                    | ND    | 1.0       | 106      | 116       | 9.0        | 108     | 112      | 3.6       | 70 - 130           | 20                 |
| p-Isopropyltoluene          | ND    | 1.0       | 108      | 119       | 9.7        | 110     | 115      | 4.4       | 70 - 130           | 20                 |
| sec-Butylbenzene            | ND    | 1.0       | 102      | 112       | 9.3        | 106     | 110      | 3.7       | 70 - 130           | 20                 |
| Styrene                     | ND    | 1.0       | 113      | 119       | 5.2        | 110     | 115      | 4.4       | 70 - 130           | 20                 |
| tert-Butylbenzene           | ND    | 1.0       | 105      | 116       | 10.0       | 106     | 114      | 7.3       | 70 - 130           | 20                 |
| Tetrachloroethene           | ND    | 1.0       | 103      | 111       | 7.5        | 111     | 114      | 2.7       | 70 - 130           | 20                 |
| Tetrahydrofuran (THF)       | ND    | 2.5       | 111      | 101       | 9.4        | 101     | 118      | 15.5      | 70 - 130           | 20                 |
| Toluene                     | ND    | 1.0       | 105      | 112       | 6.5        | 108     | 113      | 4.5       | 70 - 130           | 20                 |
| trans-1,2-Dichloroethene    | ND    | 1.0       | 109      | 106       | 2.8        | NC      | NC       | NC        | 70 - 130           | 20                 |
| trans-1,3-Dichloropropene   | ND    | 0.40      | 117      | 124       | 5.8        | 107     | 115      | 7.2       | 70 - 130           | 20                 |
| trans-1,4-dichloro-2-butene | ND    | 5.0       | 118      | 120       | 1.7        | 79      | 85       | 7.3       | 70 - 130           | 20                 |
| Trichloroethene             | ND    | 1.0       | 103      | 111       | 7.5        | 108     | 111      | 2.7       | 70 - 130           | 20                 |
| Trichlorofluoromethane      | ND    | 1.0       | 109      | 113       | 3.6        | 116     | 117      | 0.9       | 70 - 130           | 20                 |
| Trichlorotrifluoroethane    | ND    | 1.0       | 113      | 117       | 3.5        | 121     | 124      | 2.4       | 70 - 130           | 20                 |
| Vinyl chloride              | ND    | 1.0       | 113      | 117       | 3.5        | 113     | 119      | 5.2       | 70 - 130           | 20                 |
| % 1,2-dichlorobenzene-d4    | 107   | %         | 99       | 100       | 1.0        | 99      | 100      | 1.0       | 70 - 130           | 20                 |
| % Bromofluorobenzene        | 94    | %         | 105      | 105       | 0.0        | 101     | 101      | 0.0       | 70 - 130           | 20                 |
| % Dibromofluoromethane      | 106   | %         | 108      | 94        | 13.9       | 102     | 103      | 1.0       | 70 - 130           | 20                 |
| % Toluene-d8                | 93    | %         | 101      | 103       | 2.0        | 103     | 105      | 1.9       | 70 - 130           | 20                 |

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 809025 (ug/L), QC Sample No: CU49464 (CU49463 (5X) , CU49464 (5X) , CU49466 (5X, 40X) , CU49467 (100X) , CU49469 (5X) )

## Volatiles - Ground Water

|                             |    |      |     |     |      |  |  |  |          |    |
|-----------------------------|----|------|-----|-----|------|--|--|--|----------|----|
| 1,1,1,2-Tetrachloroethane   | ND | 1.0  | 109 | 123 | 12.1 |  |  |  | 70 - 130 | 20 |
| 1,1,1-Trichloroethane       | ND | 1.0  | 97  | 104 | 7.0  |  |  |  | 70 - 130 | 20 |
| 1,1,2,2-Tetrachloroethane   | ND | 0.50 | 100 | 115 | 14.0 |  |  |  | 70 - 130 | 20 |
| 1,1,2-Trichloroethane       | ND | 1.0  | 99  | 113 | 13.2 |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloroethane          | ND | 1.0  | 97  | 105 | 7.9  |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloroethene          | ND | 1.0  | 95  | 100 | 5.1  |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloropropene         | ND | 1.0  | 93  | 108 | 14.9 |  |  |  | 70 - 130 | 20 |
| 1,2,3-Trichlorobenzene      | ND | 1.0  | 102 | 117 | 13.7 |  |  |  | 70 - 130 | 20 |
| 1,2,3-Trichloropropane      | ND | 1.0  | 107 | 124 | 14.7 |  |  |  | 70 - 130 | 20 |
| 1,2,4-Trichlorobenzene      | ND | 1.0  | 102 | 120 | 16.2 |  |  |  | 70 - 130 | 20 |
| 1,2,4-Trimethylbenzene      | ND | 1.0  | 106 | 121 | 13.2 |  |  |  | 70 - 130 | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0  | 103 | 118 | 13.6 |  |  |  | 70 - 130 | 20 |
| 1,2-Dibromoethane           | ND | 1.0  | 103 | 116 | 11.9 |  |  |  | 70 - 130 | 20 |
| 1,2-Dichlorobenzene         | ND | 1.0  | 97  | 114 | 16.1 |  |  |  | 70 - 130 | 20 |

## QA/QC Data

SDG I.D.: GCU49463

| Parameter                   | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-----------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| 1,2-Dichloroethane          | ND    | 1.0       | 100      | 104       | 3.9        |         |          |           | 70 - 130           | 20                 |
| 1,2-Dichloropropane         | ND    | 1.0       | 97       | 112       | 14.4       |         |          |           | 70 - 130           | 20                 |
| 1,3,5-Trimethylbenzene      | ND    | 1.0       | 106      | 121       | 13.2       |         |          |           | 70 - 130           | 20                 |
| 1,3-Dichlorobenzene         | ND    | 1.0       | 102      | 117       | 13.7       |         |          |           | 70 - 130           | 20                 |
| 1,3-Dichloropropane         | ND    | 1.0       | 102      | 115       | 12.0       |         |          |           | 70 - 130           | 20                 |
| 1,4-Dichlorobenzene         | ND    | 1.0       | 99       | 115       | 15.0       |         |          |           | 70 - 130           | 20                 |
| 2,2-Dichloropropane         | ND    | 1.0       | 99       | 105       | 5.9        |         |          |           | 70 - 130           | 20                 |
| 2-Chlorotoluene             | ND    | 1.0       | 102      | 117       | 13.7       |         |          |           | 70 - 130           | 20                 |
| 2-Hexanone                  | ND    | 5.0       | 98       | 109       | 10.6       |         |          |           | 70 - 130           | 20                 |
| 2-Isopropyltoluene          | ND    | 1.0       | 104      | 120       | 14.3       |         |          |           | 70 - 130           | 20                 |
| 4-Chlorotoluene             | ND    | 1.0       | 100      | 116       | 14.8       |         |          |           | 70 - 130           | 20                 |
| 4-Methyl-2-pentanone        | ND    | 5.0       | 98       | 113       | 14.2       |         |          |           | 70 - 130           | 20                 |
| Acetone                     | ND    | 5.0       | 87       | 99        | 12.9       |         |          |           | 70 - 130           | 20                 |
| Acrylonitrile               | ND    | 5.0       | 94       | 108       | 13.9       |         |          |           | 70 - 130           | 20                 |
| Benzene                     | ND    | 0.70      | 100      | 114       | 13.1       |         |          |           | 70 - 130           | 20                 |
| Bromobenzene                | ND    | 1.0       | 101      | 117       | 14.7       |         |          |           | 70 - 130           | 20                 |
| Bromochloromethane          | ND    | 1.0       | 102      | 106       | 3.8        |         |          |           | 70 - 130           | 20                 |
| Bromodichloromethane        | ND    | 0.50      | 101      | 115       | 13.0       |         |          |           | 70 - 130           | 20                 |
| Bromoform                   | ND    | 1.0       | 113      | 123       | 8.5        |         |          |           | 70 - 130           | 20                 |
| Bromomethane                | ND    | 1.0       | 83       | 93        | 11.4       |         |          |           | 70 - 130           | 20                 |
| Carbon Disulfide            | ND    | 1.0       | 95       | 104       | 9.0        |         |          |           | 70 - 130           | 20                 |
| Carbon tetrachloride        | ND    | 1.0       | 96       | 106       | 9.9        |         |          |           | 70 - 130           | 20                 |
| Chlorobenzene               | ND    | 1.0       | 102      | 117       | 13.7       |         |          |           | 70 - 130           | 20                 |
| Chloroethane                | ND    | 1.0       | 102      | 108       | 5.7        |         |          |           | 70 - 130           | 20                 |
| Chloroform                  | ND    | 1.0       | 96       | 107       | 10.8       |         |          |           | 70 - 130           | 20                 |
| Chloromethane               | ND    | 1.0       | 93       | 101       | 8.2        |         |          |           | 70 - 130           | 20                 |
| cis-1,2-Dichloroethene      | ND    | 1.0       | 98       | 104       | 5.9        |         |          |           | 70 - 130           | 20                 |
| cis-1,3-Dichloropropene     | ND    | 0.40      | 105      | 118       | 11.7       |         |          |           | 70 - 130           | 20                 |
| Dibromochloromethane        | ND    | 0.50      | 104      | 118       | 12.6       |         |          |           | 70 - 130           | 20                 |
| Dibromomethane              | ND    | 1.0       | 97       | 112       | 14.4       |         |          |           | 70 - 130           | 20                 |
| Dichlorodifluoromethane     | ND    | 1.0       | 94       | 102       | 8.2        |         |          |           | 70 - 130           | 20                 |
| Ethylbenzene                | ND    | 1.0       | 105      | 120       | 13.3       |         |          |           | 70 - 130           | 20                 |
| Hexachlorobutadiene         | ND    | 0.40      | 97       | 114       | 16.1       |         |          |           | 70 - 130           | 20                 |
| Isopropylbenzene            | ND    | 1.0       | 102      | 117       | 13.7       |         |          |           | 70 - 130           | 20                 |
| m&p-Xylene                  | ND    | 1.0       | 106      | 120       | 12.4       |         |          |           | 70 - 130           | 20                 |
| Methyl ethyl ketone         | ND    | 5.0       | 93       | 107       | 14.0       |         |          |           | 70 - 130           | 20                 |
| Methyl t-butyl ether (MTBE) | ND    | 1.0       | 100      | 108       | 7.7        |         |          |           | 70 - 130           | 20                 |
| Methylene chloride          | ND    | 1.0       | 93       | 104       | 11.2       |         |          |           | 70 - 130           | 20                 |
| Naphthalene                 | ND    | 1.0       | 102      | 123       | 18.7       |         |          |           | 70 - 130           | 20                 |
| n-Butylbenzene              | ND    | 1.0       | 103      | 119       | 14.4       |         |          |           | 70 - 130           | 20                 |
| n-Propylbenzene             | ND    | 1.0       | 102      | 115       | 12.0       |         |          |           | 70 - 130           | 20                 |
| o-Xylene                    | ND    | 1.0       | 104      | 120       | 14.3       |         |          |           | 70 - 130           | 20                 |
| p-Isopropyltoluene          | ND    | 1.0       | 104      | 120       | 14.3       |         |          |           | 70 - 130           | 20                 |
| sec-Butylbenzene            | ND    | 1.0       | 101      | 115       | 13.0       |         |          |           | 70 - 130           | 20                 |
| Styrene                     | ND    | 1.0       | 111      | 126       | 12.7       |         |          |           | 70 - 130           | 20                 |
| tert-Butylbenzene           | ND    | 1.0       | 102      | 117       | 13.7       |         |          |           | 70 - 130           | 20                 |
| Tetrachloroethene           | ND    | 1.0       | 97       | 107       | 9.8        |         |          |           | 70 - 130           | 20                 |
| Tetrahydrofuran (THF)       | ND    | 2.5       | 93       | 108       | 14.9       |         |          |           | 70 - 130           | 20                 |
| Toluene                     | ND    | 1.0       | 99       | 112       | 12.3       |         |          |           | 70 - 130           | 20                 |
| trans-1,2-Dichloroethene    | ND    | 1.0       | 96       | 101       | 5.1        |         |          |           | 70 - 130           | 20                 |
| trans-1,3-Dichloropropene   | ND    | 0.40      | 108      | 124       | 13.8       |         |          |           | 70 - 130           | 20                 |
| trans-1,4-dichloro-2-butene | ND    | 5.0       | 111      | 129       | 15.0       |         |          |           | 70 - 130           | 20                 |
| Trichloroethene             | ND    | 1.0       | 102      | 112       | 9.3        |         |          |           | 70 - 130           | 20                 |

# QA/QC Data

SDG I.D.: GCU49463

| Parameter                | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|--------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| Trichlorofluoromethane   | ND    | 1.0       | 98       | 99        | 1.0        |         |          |           | 70 - 130           | 20                 |
| Trichlorotrifluoroethane | ND    | 1.0       | 103      | 112       | 8.4        |         |          |           | 70 - 130           | 20                 |
| Vinyl chloride           | ND    | 1.0       | 95       | 103       | 8.1        |         |          |           | 70 - 130           | 20                 |
| % 1,2-dichlorobenzene-d4 | 98    | %         | 98       | 99        | 1.0        |         |          |           | 70 - 130           | 20                 |
| % Bromofluorobenzene     | 93    | %         | 102      | 104       | 1.9        |         |          |           | 70 - 130           | 20                 |
| % Dibromofluoromethane   | 95    | %         | 95       | 88        | 7.7        |         |          |           | 70 - 130           | 20                 |
| % Toluene-d8             | 100   | %         | 98       | 99        | 1.0        |         |          |           | 70 - 130           | 20                 |

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 809624 (ug/L), QC Sample No: CU50822 (CU49467 (10X) )

## Volatiles - Ground Water

|                             |    |      |     |     |      |  |  |  |          |    |
|-----------------------------|----|------|-----|-----|------|--|--|--|----------|----|
| 1,1,1,2-Tetrachloroethane   | ND | 1.0  | 97  | 101 | 4.0  |  |  |  | 70 - 130 | 20 |
| 1,1,1-Trichloroethane       | ND | 1.0  | 98  | 103 | 5.0  |  |  |  | 70 - 130 | 20 |
| 1,1,2,2-Tetrachloroethane   | ND | 0.50 | 95  | 99  | 4.1  |  |  |  | 70 - 130 | 20 |
| 1,1,2-Trichloroethane       | ND | 1.0  | 105 | 115 | 9.1  |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloroethane          | ND | 1.0  | 97  | 101 | 4.0  |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloroethene          | ND | 1.0  | 96  | 98  | 2.1  |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloropropene         | ND | 1.0  | 101 | 107 | 5.8  |  |  |  | 70 - 130 | 20 |
| 1,2,3-Trichlorobenzene      | ND | 1.0  | 106 | 109 | 2.8  |  |  |  | 70 - 130 | 20 |
| 1,2,3-Trichloropropane      | ND | 1.0  | 95  | 99  | 4.1  |  |  |  | 70 - 130 | 20 |
| 1,2,4-Trichlorobenzene      | ND | 1.0  | 104 | 108 | 3.8  |  |  |  | 70 - 130 | 20 |
| 1,2,4-Trimethylbenzene      | ND | 1.0  | 108 | 114 | 5.4  |  |  |  | 70 - 130 | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0  | 100 | 101 | 1.0  |  |  |  | 70 - 130 | 20 |
| 1,2-Dibromoethane           | ND | 1.0  | 96  | 100 | 4.1  |  |  |  | 70 - 130 | 20 |
| 1,2-Dichlorobenzene         | ND | 1.0  | 96  | 100 | 4.1  |  |  |  | 70 - 130 | 20 |
| 1,2-Dichloroethane          | ND | 1.0  | 101 | 108 | 6.7  |  |  |  | 70 - 130 | 20 |
| 1,2-Dichloropropane         | ND | 1.0  | 86  | 91  | 5.6  |  |  |  | 70 - 130 | 20 |
| 1,3,5-Trimethylbenzene      | ND | 1.0  | 108 | 115 | 6.3  |  |  |  | 70 - 130 | 20 |
| 1,3-Dichlorobenzene         | ND | 1.0  | 100 | 103 | 3.0  |  |  |  | 70 - 130 | 20 |
| 1,3-Dichloropropane         | ND | 1.0  | 99  | 102 | 3.0  |  |  |  | 70 - 130 | 20 |
| 1,4-Dichlorobenzene         | ND | 1.0  | 94  | 99  | 5.2  |  |  |  | 70 - 130 | 20 |
| 2,2-Dichloropropane         | ND | 1.0  | 104 | 108 | 3.8  |  |  |  | 70 - 130 | 20 |
| 2-Chlorotoluene             | ND | 1.0  | 102 | 107 | 4.8  |  |  |  | 70 - 130 | 20 |
| 2-Hexanone                  | ND | 5.0  | 87  | 96  | 9.8  |  |  |  | 70 - 130 | 20 |
| 2-Isopropyltoluene          | ND | 1.0  | 105 | 110 | 4.7  |  |  |  | 70 - 130 | 20 |
| 4-Chlorotoluene             | ND | 1.0  | 99  | 105 | 5.9  |  |  |  | 70 - 130 | 20 |
| 4-Methyl-2-pentanone        | ND | 5.0  | 104 | 114 | 9.2  |  |  |  | 70 - 130 | 20 |
| Acetone                     | ND | 5.0  | 99  | 100 | 1.0  |  |  |  | 70 - 130 | 20 |
| Acrylonitrile               | ND | 5.0  | 102 | 105 | 2.9  |  |  |  | 70 - 130 | 20 |
| Benzene                     | ND | 0.70 | 106 | 114 | 7.3  |  |  |  | 70 - 130 | 20 |
| Bromobenzene                | ND | 1.0  | 99  | 106 | 6.8  |  |  |  | 70 - 130 | 20 |
| Bromochloromethane          | ND | 1.0  | 95  | 99  | 4.1  |  |  |  | 70 - 130 | 20 |
| Bromodichloromethane        | ND | 0.50 | 100 | 101 | 1.0  |  |  |  | 70 - 130 | 20 |
| Bromoform                   | ND | 1.0  | 99  | 104 | 4.9  |  |  |  | 70 - 130 | 20 |
| Bromomethane                | ND | 1.0  | 81  | 89  | 9.4  |  |  |  | 70 - 130 | 20 |
| Carbon Disulfide            | ND | 1.0  | 97  | 101 | 4.0  |  |  |  | 70 - 130 | 20 |
| Carbon tetrachloride        | ND | 1.0  | 94  | 95  | 1.1  |  |  |  | 70 - 130 | 20 |
| Chlorobenzene               | ND | 1.0  | 95  | 101 | 6.1  |  |  |  | 70 - 130 | 20 |
| Chloroethane                | ND | 1.0  | 94  | 100 | 6.2  |  |  |  | 70 - 130 | 20 |
| Chloroform                  | ND | 1.0  | 92  | 102 | 10.3 |  |  |  | 70 - 130 | 20 |
| Chloromethane               | ND | 1.0  | 99  | 111 | 11.4 |  |  |  | 70 - 130 | 20 |
| cis-1,3-Dichloropropene     | ND | 0.40 | 110 | 121 | 9.5  |  |  |  | 70 - 130 | 20 |

## QA/QC Data

SDG I.D.: GCU49463

| Parameter                   | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-----------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| Dibromochloromethane        | ND    | 0.50      | 95       | 100       | 5.1        |         |          |           | 70 - 130           | 20                 |
| Dibromomethane              | ND    | 1.0       | 90       | 95        | 5.4        |         |          |           | 70 - 130           | 20                 |
| Dichlorodifluoromethane     | ND    | 1.0       | 117      | 122       | 4.2        |         |          |           | 70 - 130           | 20                 |
| Ethylbenzene                | ND    | 1.0       | 105      | 111       | 5.6        |         |          |           | 70 - 130           | 20                 |
| Hexachlorobutadiene         | ND    | 0.40      | 99       | 102       | 3.0        |         |          |           | 70 - 130           | 20                 |
| Isopropylbenzene            | ND    | 1.0       | 102      | 114       | 11.1       |         |          |           | 70 - 130           | 20                 |
| m&p-Xylene                  | ND    | 1.0       | 105      | 113       | 7.3        |         |          |           | 70 - 130           | 20                 |
| Methyl ethyl ketone         | ND    | 5.0       | 105      | 109       | 3.7        |         |          |           | 70 - 130           | 20                 |
| Methyl t-butyl ether (MTBE) | ND    | 1.0       | 100      | 104       | 3.9        |         |          |           | 70 - 130           | 20                 |
| Methylene chloride          | ND    | 1.0       | 93       | 99        | 6.3        |         |          |           | 70 - 130           | 20                 |
| Naphthalene                 | ND    | 1.0       | 104      | 111       | 6.5        |         |          |           | 70 - 130           | 20                 |
| n-Butylbenzene              | ND    | 1.0       | 109      | 113       | 3.6        |         |          |           | 70 - 130           | 20                 |
| n-Propylbenzene             | ND    | 1.0       | 104      | 111       | 6.5        |         |          |           | 70 - 130           | 20                 |
| o-Xylene                    | ND    | 1.0       | 103      | 112       | 8.4        |         |          |           | 70 - 130           | 20                 |
| p-Isopropyltoluene          | ND    | 1.0       | 107      | 113       | 5.5        |         |          |           | 70 - 130           | 20                 |
| sec-Butylbenzene            | ND    | 1.0       | 105      | 113       | 7.3        |         |          |           | 70 - 130           | 20                 |
| Styrene                     | ND    | 1.0       | 108      | 118       | 8.8        |         |          |           | 70 - 130           | 20                 |
| tert-Butylbenzene           | ND    | 1.0       | 106      | 114       | 7.3        |         |          |           | 70 - 130           | 20                 |
| Tetrahydrofuran (THF)       | ND    | 2.5       | 102      | 104       | 1.9        |         |          |           | 70 - 130           | 20                 |
| Toluene                     | ND    | 1.0       | 102      | 113       | 10.2       |         |          |           | 70 - 130           | 20                 |
| trans-1,2-Dichloroethene    | ND    | 1.0       | 97       | 103       | 6.0        |         |          |           | 70 - 130           | 20                 |
| trans-1,3-Dichloropropene   | ND    | 0.40      | 112      | 121       | 7.7        |         |          |           | 70 - 130           | 20                 |
| trans-1,4-dichloro-2-butene | ND    | 5.0       | 105      | 109       | 3.7        |         |          |           | 70 - 130           | 20                 |
| Trichlorofluoromethane      | ND    | 1.0       | 97       | 104       | 7.0        |         |          |           | 70 - 130           | 20                 |
| Trichlorotrifluoroethane    | ND    | 1.0       | 103      | 110       | 6.6        |         |          |           | 70 - 130           | 20                 |
| Vinyl chloride              | ND    | 1.0       | 109      | 112       | 2.7        |         |          |           | 70 - 130           | 20                 |
| % 1,2-dichlorobenzene-d4    | 108   | %         | 104      | 102       | 1.9        |         |          |           | 70 - 130           | 20                 |
| % Bromofluorobenzene        | 81    | %         | 98       | 98        | 0.0        |         |          |           | 70 - 130           | 20                 |
| % Dibromofluoromethane      | 105   | %         | 100      | 101       | 1.0        |         |          |           | 70 - 130           | 20                 |
| % Toluene-d8                | 92    | %         | 106      | 109       | 2.8        |         |          |           | 70 - 130           | 20                 |

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 809804 (ug/L), QC Sample No: CU51342 (CU49469)

### Volatiles - Ground Water

|                             |    |      |     |     |      |  |  |  |          |    |
|-----------------------------|----|------|-----|-----|------|--|--|--|----------|----|
| 1,1,1,2-Tetrachloroethane   | ND | 1.0  | 107 | 102 | 4.8  |  |  |  | 70 - 130 | 20 |
| 1,1,1-Trichloroethane       | ND | 1.0  | 110 | 106 | 3.7  |  |  |  | 70 - 130 | 20 |
| 1,1,2,2-Tetrachloroethane   | ND | 0.50 | 107 | 102 | 4.8  |  |  |  | 70 - 130 | 20 |
| 1,1,2-Trichloroethane       | ND | 1.0  | 120 | 99  | 19.2 |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloroethane          | ND | 1.0  | 112 | 107 | 4.6  |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloroethene          | ND | 1.0  | 107 | 107 | 0.0  |  |  |  | 70 - 130 | 20 |
| 1,1-Dichloropropene         | ND | 1.0  | 112 | 97  | 14.4 |  |  |  | 70 - 130 | 20 |
| 1,2,3-Trichlorobenzene      | ND | 1.0  | 123 | 115 | 6.7  |  |  |  | 70 - 130 | 20 |
| 1,2,3-Trichloropropane      | ND | 1.0  | 107 | 101 | 5.8  |  |  |  | 70 - 130 | 20 |
| 1,2,4-Trichlorobenzene      | ND | 1.0  | 118 | 113 | 4.3  |  |  |  | 70 - 130 | 20 |
| 1,2,4-Trimethylbenzene      | ND | 1.0  | 126 | 119 | 5.7  |  |  |  | 70 - 130 | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0  | 114 | 112 | 1.8  |  |  |  | 70 - 130 | 20 |
| 1,2-Dibromoethane           | ND | 1.0  | 109 | 104 | 4.7  |  |  |  | 70 - 130 | 20 |
| 1,2-Dichlorobenzene         | ND | 1.0  | 108 | 103 | 4.7  |  |  |  | 70 - 130 | 20 |
| 1,2-Dichloropropane         | ND | 1.0  | 114 | 97  | 16.1 |  |  |  | 70 - 130 | 20 |
| 1,3,5-Trimethylbenzene      | ND | 1.0  | 126 | 119 | 5.7  |  |  |  | 70 - 130 | 20 |

## QA/QC Data

SDG I.D.: GCU49463

| Parameter                   | Blank | Blk<br>RL | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-----------------------------|-------|-----------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| 1,3-Dichlorobenzene         | ND    | 1.0       | 113      | 106       | 6.4        |         |          |           | 70 - 130           | 20                 |
| 1,3-Dichloropropane         | ND    | 1.0       | 109      | 105       | 3.7        |         |          |           | 70 - 130           | 20                 |
| 1,4-Dichlorobenzene         | ND    | 1.0       | 111      | 106       | 4.6        |         |          |           | 70 - 130           | 20                 |
| 2,2-Dichloropropane         | ND    | 1.0       | 120      | 116       | 3.4        |         |          |           | 70 - 130           | 20                 |
| 2-Chlorotoluene             | ND    | 1.0       | 115      | 112       | 2.6        |         |          |           | 70 - 130           | 20                 |
| 2-Hexanone                  | ND    | 5.0       | 105      | 100       | 4.9        |         |          |           | 70 - 130           | 20                 |
| 2-Isopropyltoluene          | ND    | 1.0       | 121      | 116       | 4.2        |         |          |           | 70 - 130           | 20                 |
| 4-Chlorotoluene             | ND    | 1.0       | 118      | 110       | 7.0        |         |          |           | 70 - 130           | 20                 |
| 4-Methyl-2-pentanone        | ND    | 5.0       | 122      | 98        | 21.8       |         |          |           | 70 - 130           | 20                 |
| Acetone                     | ND    | 5.0       | 109      | 103       | 5.7        |         |          |           | 70 - 130           | 20                 |
| Acrylonitrile               | ND    | 5.0       | 116      | 110       | 5.3        |         |          |           | 70 - 130           | 20                 |
| Benzene                     | ND    | 0.70      | 120      | 102       | 16.2       |         |          |           | 70 - 130           | 20                 |
| Bromobenzene                | ND    | 1.0       | 116      | 107       | 8.1        |         |          |           | 70 - 130           | 20                 |
| Bromochloromethane          | ND    | 1.0       | 110      | 104       | 5.6        |         |          |           | 70 - 130           | 20                 |
| Bromodichloromethane        | ND    | 0.50      | 119      | 100       | 17.4       |         |          |           | 70 - 130           | 20                 |
| Bromoform                   | ND    | 1.0       | 110      | 106       | 3.7        |         |          |           | 70 - 130           | 20                 |
| Bromomethane                | ND    | 1.0       | 85       | 93        | 9.0        |         |          |           | 70 - 130           | 20                 |
| Carbon Disulfide            | ND    | 1.0       | 113      | 110       | 2.7        |         |          |           | 70 - 130           | 20                 |
| Carbon tetrachloride        | ND    | 1.0       | 111      | 106       | 4.6        |         |          |           | 70 - 130           | 20                 |
| Chlorobenzene               | ND    | 1.0       | 107      | 102       | 4.8        |         |          |           | 70 - 130           | 20                 |
| Chloroethane                | ND    | 1.0       | 107      | 109       | 1.9        |         |          |           | 70 - 130           | 20                 |
| Chloroform                  | ND    | 1.0       | 110      | 101       | 8.5        |         |          |           | 70 - 130           | 20                 |
| Chloromethane               | ND    | 1.0       | 123      | 120       | 2.5        |         |          |           | 70 - 130           | 20                 |
| cis-1,3-Dichloropropene     | ND    | 0.40      | 128      | 108       | 16.9       |         |          |           | 70 - 130           | 20                 |
| Dibromochloromethane        | ND    | 0.50      | 107      | 100       | 6.8        |         |          |           | 70 - 130           | 20                 |
| Dibromomethane              | ND    | 1.0       | 102      | 99        | 3.0        |         |          |           | 70 - 130           | 20                 |
| Dichlorodifluoromethane     | ND    | 1.0       | 132      | 138       | 4.4        |         |          |           | 70 - 130           | 20                 |
| Ethylbenzene                | ND    | 1.0       | 119      | 115       | 3.4        |         |          |           | 70 - 130           | 20                 |
| Hexachlorobutadiene         | ND    | 0.40      | 109      | 105       | 3.7        |         |          |           | 70 - 130           | 20                 |
| Isopropylbenzene            | ND    | 1.0       | 124      | 120       | 3.3        |         |          |           | 70 - 130           | 20                 |
| m&p-Xylene                  | ND    | 1.0       | 120      | 114       | 5.1        |         |          |           | 70 - 130           | 20                 |
| Methyl ethyl ketone         | ND    | 5.0       | 122      | 110       | 10.3       |         |          |           | 70 - 130           | 20                 |
| Methyl t-butyl ether (MTBE) | ND    | 1.0       | 113      | 111       | 1.8        |         |          |           | 70 - 130           | 20                 |
| Methylene chloride          | ND    | 1.0       | 107      | 104       | 2.8        |         |          |           | 70 - 130           | 20                 |
| Naphthalene                 | ND    | 1.0       | 121      | 115       | 5.1        |         |          |           | 70 - 130           | 20                 |
| n-Butylbenzene              | ND    | 1.0       | 123      | 117       | 5.0        |         |          |           | 70 - 130           | 20                 |
| n-Propylbenzene             | ND    | 1.0       | 120      | 115       | 4.3        |         |          |           | 70 - 130           | 20                 |
| o-Xylene                    | ND    | 1.0       | 121      | 117       | 3.4        |         |          |           | 70 - 130           | 20                 |
| p-Isopropyltoluene          | ND    | 1.0       | 125      | 119       | 4.9        |         |          |           | 70 - 130           | 20                 |
| sec-Butylbenzene            | ND    | 1.0       | 121      | 115       | 5.1        |         |          |           | 70 - 130           | 20                 |
| Styrene                     | ND    | 1.0       | 128      | 121       | 5.6        |         |          |           | 70 - 130           | 20                 |
| tert-Butylbenzene           | ND    | 1.0       | 123      | 119       | 3.3        |         |          |           | 70 - 130           | 20                 |
| Tetrachloroethene           | ND    | 1.0       | 119      | 101       | 16.4       |         |          |           | 70 - 130           | 20                 |
| Tetrahydrofuran (THF)       | ND    | 2.5       | 116      | 111       | 4.4        |         |          |           | 70 - 130           | 20                 |
| Toluene                     | ND    | 1.0       | 121      | 103       | 16.1       |         |          |           | 70 - 130           | 20                 |
| trans-1,2-Dichloroethene    | ND    | 1.0       | 109      | 108       | 0.9        |         |          |           | 70 - 130           | 20                 |
| trans-1,3-Dichloropropene   | ND    | 0.40      | 130      | 110       | 16.7       |         |          |           | 70 - 130           | 20                 |
| trans-1,4-dichloro-2-butene | ND    | 5.0       | 110      | 106       | 3.7        |         |          |           | 70 - 130           | 20                 |
| Trichloroethene             | ND    | 1.0       | 108      | 105       | 2.8        |         |          |           | 70 - 130           | 20                 |
| Trichlorofluoromethane      | ND    | 1.0       | 107      | 111       | 3.7        |         |          |           | 70 - 130           | 20                 |
| Trichlorotrifluoroethane    | ND    | 1.0       | 114      | 119       | 4.3        |         |          |           | 70 - 130           | 20                 |
| Vinyl chloride              | ND    | 1.0       | 121      | 121       | 0.0        |         |          |           | 70 - 130           | 20                 |
| % 1,2-dichlorobenzene-d4    | 110   | %         | 100      | 100       | 0.0        |         |          |           | 70 - 130           | 20                 |

## QA/QC Data

SDG I.D.: GCU49463

| Parameter              | Blk   |    | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|------------------------|-------|----|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
|                        | Blank | RL |          |           |            |         |          |           |                    |                    |
| % Bromofluorobenzene   | 80    | %  | 100      | 98        | 2.0        |         |          |           | 70 - 130           | 20                 |
| % Dibromofluoromethane | 104   | %  | 99       | 103       | 4.0        |         |          |           | 70 - 130           | 20                 |
| % Toluene-d8           | 97    | %  | 108      | 95        | 12.8       |         |          |           | 70 - 130           | 20                 |

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution

Phyllis Shiller, Laboratory Director  
October 24, 2025



Friday, October 24, 2025

Criteria: NY: GW

State: NY

# Sample Criteria Exceedances Report

GCU49463 - STERLING

| SampNo  | Acode     | Phoenix Analyte             | Criteria                                              | Result | RL   | Criteria | RL<br>Criteria | Analysis<br>Units |
|---------|-----------|-----------------------------|-------------------------------------------------------|--------|------|----------|----------------|-------------------|
| CU49463 | \$8260GWR | 1,2-Dichloroethane          | NY / TAGM - Volatile Organics / Groundwater Standards | 15     | 0.60 | 5        | 5              | ug/L              |
| CU49463 | \$8260GWR | Benzene                     | NY / TAGM - Volatile Organics / Groundwater Standards | 1.6    | 0.70 | 0.7      | 0.7            | ug/L              |
| CU49463 | \$8260GWR | trans-1,2-Dichloroethene    | NY / TAGM - Volatile Organics / Groundwater Standards | 61     | 5.0  | 5        | 5              | ug/L              |
| CU49463 | \$8260GWR | Vinyl chloride              | NY / TAGM - Volatile Organics / Groundwater Standards | 8.1    | 1.0  | 2        | 2              | ug/L              |
| CU49463 | \$8260GWR | Vinyl chloride              | NY / TOGS - Water Quality / GA Criteria               | 8.1    | 1.0  | 2        | 2              | ug/L              |
| CU49463 | \$8260GWR | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.50 | 0.04     | 0.04           | ug/L              |
| CU49463 | \$8260GWR | 1,2-Dibromoethane           | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.0006   | 0.0006         | ug/L              |
| CU49463 | \$8260GWR | 1,2-Dichloroethane          | NY / TOGS - Water Quality / GA Criteria               | 15     | 0.60 | 0.6      | 0.6            | ug/L              |
| CU49463 | \$8260GWR | Benzene                     | NY / TOGS - Water Quality / GA Criteria               | 1.6    | 0.70 | 1        | 1              | ug/L              |
| CU49463 | \$8260GWR | cis-1,2-Dichloroethene      | NY / TOGS - Water Quality / GA Criteria               | 11     | 1.0  | 5        | 5              | ug/L              |
| CU49463 | \$8260GWR | trans-1,2-Dichloroethene    | NY / TOGS - Water Quality / GA Criteria               | 61     | 5.0  | 5        | 5              | ug/L              |
| CU49463 | \$8260GWR | 1,2,3-Trichloropropane      | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.04     | 0.04           | ug/L              |
| CU49464 | \$8260GWR | 1,2-Dichloroethane          | NY / TAGM - Volatile Organics / Groundwater Standards | 51     | 3.0  | 5        | 5              | ug/L              |
| CU49464 | \$8260GWR | cis-1,2-Dichloroethene      | NY / TOGS - Water Quality / GA Criteria               | 76     | 5.0  | 5        | 5              | ug/L              |
| CU49464 | \$8260GWR | 1,2-Dichloroethane          | NY / TOGS - Water Quality / GA Criteria               | 51     | 3.0  | 0.6      | 0.6            | ug/L              |
| CU49464 | \$8260GWR | 1,2-Dibromoethane           | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.0006   | 0.0006         | ug/L              |
| CU49464 | \$8260GWR | 1,2,3-Trichloropropane      | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.04     | 0.04           | ug/L              |
| CU49464 | \$8260GWR | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.50 | 0.04     | 0.04           | ug/L              |
| CU49465 | \$8260GWR | Tetrachloroethene           | NY / TAGM - Volatile Organics / Groundwater Standards | 13     | 1.0  | 5        | 5              | ug/L              |
| CU49465 | \$8260GWR | Vinyl chloride              | NY / TAGM - Volatile Organics / Groundwater Standards | 2.3    | 1.0  | 2        | 2              | ug/L              |
| CU49465 | \$8260GWR | Trichloroethene             | NY / TAGM - Volatile Organics / Groundwater Standards | 8.3    | 1.0  | 5        | 5              | ug/L              |
| CU49465 | \$8260GWR | Benzene                     | NY / TAGM - Volatile Organics / Groundwater Standards | 11     | 0.70 | 0.7      | 0.7            | ug/L              |
| CU49465 | \$8260GWR | Vinyl chloride              | NY / TOGS - Water Quality / GA Criteria               | 2.3    | 1.0  | 2        | 2              | ug/L              |
| CU49465 | \$8260GWR | Trichloroethene             | NY / TOGS - Water Quality / GA Criteria               | 8.3    | 1.0  | 5        | 5              | ug/L              |
| CU49465 | \$8260GWR | Tetrachloroethene           | NY / TOGS - Water Quality / GA Criteria               | 13     | 1.0  | 5        | 5              | ug/L              |
| CU49465 | \$8260GWR | Benzene                     | NY / TOGS - Water Quality / GA Criteria               | 11     | 0.70 | 1        | 1              | ug/L              |
| CU49465 | \$8260GWR | 1,2-Dibromoethane           | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.0006   | 0.0006         | ug/L              |
| CU49465 | \$8260GWR | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.50 | 0.04     | 0.04           | ug/L              |
| CU49465 | \$8260GWR | 1,2,3-Trichloropropane      | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.04     | 0.04           | ug/L              |
| CU49465 | \$8260GWR | cis-1,2-Dichloroethene      | NY / TOGS - Water Quality / GA Criteria               | 12     | 1.0  | 5        | 5              | ug/L              |
| CU49465 | \$8260GWR | 1,2-Dichloroethane          | NY / TOGS - Water Quality / GA Criteria               | 0.89   | 0.60 | 0.6      | 0.6            | ug/L              |
| CU49466 | \$8260GWR | Trichloroethene             | NY / TAGM - Volatile Organics / Groundwater Standards | 79     | 5.0  | 5        | 5              | ug/L              |
| CU49466 | \$8260GWR | Benzene                     | NY / TAGM - Volatile Organics / Groundwater Standards | ND     | 1.3  | 0.7      | 0.7            | ug/L              |
| CU49466 | \$8260GWR | Tetrachloroethene           | NY / TAGM - Volatile Organics / Groundwater Standards | 300    | 40   | 5        | 5              | ug/L              |
| CU49466 | \$8260GWR | trans-1,2-Dichloroethene    | NY / TAGM - Volatile Organics / Groundwater Standards | 6.7    | 5.0  | 5        | 5              | ug/L              |
| CU49466 | \$8260GWR | 1,2-Dichloropropane         | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 1        | 1              | ug/L              |
| CU49466 | \$8260GWR | 1,2-Dichloroethane          | NY / TOGS - Water Quality / GA Criteria               | 2.9    | 1.3  | 0.6      | 0.6            | ug/L              |
| CU49466 | \$8260GWR | 1,2-Dibromoethane           | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 0.0006   | 0.0006         | ug/L              |
| CU49466 | \$8260GWR | 1,2,3-Trichloropropane      | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 0.04     | 0.04           | ug/L              |
| CU49466 | \$8260GWR | 1,1,2-Trichloroethane       | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 1        | 1              | ug/L              |

Friday, October 24, 2025

Criteria: NY: GW

State: NY

# Sample Criteria Exceedances Report

GCU49463 - STERLING

| SampNo  | Acode     | Phoenix Analyte             | Criteria                                              | Result | RL   | Criteria | RL<br>Criteria | Analysis<br>Units |
|---------|-----------|-----------------------------|-------------------------------------------------------|--------|------|----------|----------------|-------------------|
| CU49466 | \$8260GWR | Hexachlorobutadiene         | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 0.5      | 0.5            | ug/L              |
| CU49466 | \$8260GWR | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 0.04     | 0.04           | ug/L              |
| CU49466 | \$8260GWR | cis-1,3-Dichloropropene     | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 0.4      | 0.4            | ug/L              |
| CU49466 | \$8260GWR | Benzene                     | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 1        | 1              | ug/L              |
| CU49466 | \$8260GWR | Tetrachloroethene           | NY / TOGS - Water Quality / GA Criteria               | 300    | 40   | 5        | 5              | ug/L              |
| CU49466 | \$8260GWR | trans-1,2-Dichloroethene    | NY / TOGS - Water Quality / GA Criteria               | 6.7    | 5.0  | 5        | 5              | ug/L              |
| CU49466 | \$8260GWR | trans-1,3-Dichloropropene   | NY / TOGS - Water Quality / GA Criteria               | ND     | 1.3  | 0.4      | 0.4            | ug/L              |
| CU49466 | \$8260GWR | trans-1,4-dichloro-2-butene | NY / TOGS - Water Quality / GA Criteria               | ND     | 13   | 5        | 5              | ug/L              |
| CU49466 | \$8260GWR | Trichloroethene             | NY / TOGS - Water Quality / GA Criteria               | 79     | 5.0  | 5        | 5              | ug/L              |
| CU49466 | \$8260GWR | cis-1,2-Dichloroethene      | NY / TOGS - Water Quality / GA Criteria               | 15     | 5.0  | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | Trichloroethene             | NY / TAGM - Volatile Organics / Groundwater Standards | 2300   | 100  | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | Vinyl chloride              | NY / TAGM - Volatile Organics / Groundwater Standards | 22     | 10   | 2        | 2              | ug/L              |
| CU49467 | \$8260GWR | Tetrachloroethene           | NY / TAGM - Volatile Organics / Groundwater Standards | 800    | 100  | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | 1,2-Dichloroethane          | NY / TAGM - Volatile Organics / Groundwater Standards | 9.4    | 6.0  | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | trans-1,2-Dichloroethene    | NY / TAGM - Volatile Organics / Groundwater Standards | 16     | 10   | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | Benzene                     | NY / TAGM - Volatile Organics / Groundwater Standards | 7.7    | 7.0  | 0.7      | 0.7            | ug/L              |
| CU49467 | \$8260GWR | Tetrachloroethene           | NY / TOGS - Water Quality / GA Criteria               | 800    | 100  | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | trans-1,2-Dichloroethene    | NY / TOGS - Water Quality / GA Criteria               | 16     | 10   | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | trans-1,3-Dichloropropene   | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 0.4      | 0.4            | ug/L              |
| CU49467 | \$8260GWR | Trichloroethene             | NY / TOGS - Water Quality / GA Criteria               | 2300   | 100  | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | Vinyl chloride              | NY / TOGS - Water Quality / GA Criteria               | 22     | 10   | 2        | 2              | ug/L              |
| CU49467 | \$8260GWR | trans-1,4-dichloro-2-butene | NY / TOGS - Water Quality / GA Criteria               | ND     | 25   | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | 1,1,2-Trichloroethane       | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 1        | 1              | ug/L              |
| CU49467 | \$8260GWR | cis-1,2-Dichloroethene      | NY / TOGS - Water Quality / GA Criteria               | 1200   | 100  | 5        | 5              | ug/L              |
| CU49467 | \$8260GWR | Benzene                     | NY / TOGS - Water Quality / GA Criteria               | 7.7    | 7.0  | 1        | 1              | ug/L              |
| CU49467 | \$8260GWR | 1,2-Dichloropropane         | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 1        | 1              | ug/L              |
| CU49467 | \$8260GWR | 1,2-Dichloroethane          | NY / TOGS - Water Quality / GA Criteria               | 9.4    | 6.0  | 0.6      | 0.6            | ug/L              |
| CU49467 | \$8260GWR | 1,2-Dibromoethane           | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 0.0006   | 0.0006         | ug/L              |
| CU49467 | \$8260GWR | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria               | ND     | 5.0  | 0.04     | 0.04           | ug/L              |
| CU49467 | \$8260GWR | 1,2,3-Trichloropropane      | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 0.04     | 0.04           | ug/L              |
| CU49467 | \$8260GWR | cis-1,3-Dichloropropene     | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 0.4      | 0.4            | ug/L              |
| CU49467 | \$8260GWR | Hexachlorobutadiene         | NY / TOGS - Water Quality / GA Criteria               | ND     | 2.5  | 0.5      | 0.5            | ug/L              |
| CU49468 | \$8260GWR | 1,2-Dibromoethane           | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.0006   | 0.0006         | ug/L              |
| CU49468 | \$8260GWR | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.50 | 0.04     | 0.04           | ug/L              |
| CU49468 | \$8260GWR | 1,2,3-Trichloropropane      | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.04     | 0.04           | ug/L              |
| CU49469 | \$8260GWR | 1,2-Dichloroethane          | NY / TAGM - Volatile Organics / Groundwater Standards | 49     | 3.0  | 5        | 5              | ug/L              |
| CU49469 | \$8260GWR | 1,2,3-Trichloropropane      | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.04     | 0.04           | ug/L              |
| CU49469 | \$8260GWR | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.50 | 0.04     | 0.04           | ug/L              |
| CU49469 | \$8260GWR | 1,2-Dibromoethane           | NY / TOGS - Water Quality / GA Criteria               | ND     | 0.25 | 0.0006   | 0.0006         | ug/L              |
| CU49469 | \$8260GWR | 1,2-Dichloroethane          | NY / TOGS - Water Quality / GA Criteria               | 49     | 3.0  | 0.6      | 0.6            | ug/L              |

Friday, October 24, 2025

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report  
GCU49463 - STERLING

| SampNo  | Acode     | Phoenix Analyte        | Criteria                                | Result | RL  | Criteria | RL<br>Criteria | Analysis<br>Units |
|---------|-----------|------------------------|-----------------------------------------|--------|-----|----------|----------------|-------------------|
| CU49469 | \$8260GWR | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 76     | 5.0 | 5        | 5              | ug/L              |

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

October 24, 2025

SDG I.D.: GCU49463

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### VOA Narration

**CHEM02 10/15/25-1:** CU49463, CU49464, CU49466, CU49467, CU49469

The following Initial Calibration compounds did not meet RSD% criteria: trans-1,4-dichloro-2-butene 30% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 22%L (20%), Dichlorodifluoromethane 31%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

**CHEM17 10/14/25-2:** CU49463, CU49464, CU49465, CU49468

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 1,2,4-Trimethylbenzene 21% (20%), Bromomethane 23% (20%), Isopropylbenzene 26% (20%), Naphthalene 27% (20%), p-Isopropyltoluene 25% (20%), Styrene 23% (20%), tert-Butylbenzene 24% (20%), trans-1,4-dichloro-2-butene 24% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 27%L (20%), trans-1,4-dichloro-2-butene 23%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

**CHEM17 10/17/25-1:** CU49467

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 4-Methyl-2-pentanone 35% (20%), Acetone 23% (20%), Bromomethane 32% (20%), Isopropylbenzene 23% (20%), Naphthalene 28% (20%), Styrene 21% (20%), tert-Butylbenzene 22% (20%), trans-1,4-dichloro-2-butene 24% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 27%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

**CHEM17 10/18/25-1:** CU49469



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

October 24, 2025

SDG I.D.: GCU49463

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Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 4-Methyl-2-pentanone 35% (20%), Acetone 23% (20%), Bromomethane 32% (20%), Isopropylbenzene 23% (20%), Naphthalene 28% (20%), Styrene 21% (20%), tert-Butylbenzene 22% (20%), trans-1,4-dichloro-2-butene 24% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 28%L (20%), cis-1,3-Dichloropropene 21%H (20%), Styrene 21%H (20%), trans-1,3-Dichloropropene 22%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.



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## **NY Temperature Narration**

**October 24, 2025**

**SDG I.D.: GCU49463**

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The samples in this delivery group were received at 1.2°C.  
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



# NY/NJPA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823  
Client Services (860) 645-1102

Customer: Sterling Env  
Address: 24 Wilde Rd  
Latham NY 12110

Project: Waverly  
Report to: Sterling  
Invoice to: Sterling  
QUOTE # : \_\_\_\_\_

## Contact Options:

Phone: 518 456 9900  
Fax: \_\_\_\_\_  
Email: paul.scholar@sterlingenvironmental.com

Project P.O.: 28012

**This section MUST be completed with Bottle Quantities.**

| Client Sample - Information - Identification                                                                                                                      |                                |               | Analysis Request |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|------------------|--------------|
| Sampler's Signature                                                                                                                                               | Date                           | Sample Matrix | Analysis Request |              |
| Matrix Code:<br>DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water<br>RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe<br>B=Bulk L=Liquid |                                |               | OIL=Oil          |              |
| PHOENIX USE ONLY SAMPLE #                                                                                                                                         | Customer Sample Identification | Sample Matrix | Date Sampled     | Time Sampled |
| 49463                                                                                                                                                             | 6Z-22D                         | GW            | 10/13/25         | 1255         |
|                                                                                                                                                                   | 6Z-22DMS                       |               |                  | 1300         |
|                                                                                                                                                                   | 6Z-22DMSD                      |               |                  | 1305         |
| 49464                                                                                                                                                             | 6Z-21D                         |               |                  | 1350         |
| 49465                                                                                                                                                             | 6Z-23D                         |               |                  | 1435         |
| 49466                                                                                                                                                             | OSMW-3                         |               |                  | 1520         |
| 49467                                                                                                                                                             | B6-OWD                         |               |                  | 1615         |
| 49468                                                                                                                                                             | TB10132025                     | LW            |                  | -            |
| 49469                                                                                                                                                             | DUP10132025                    | GW            |                  | -            |

|                                                                                                                                                                                                                                                                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Relinquished by: <u>[Signature]</u>                                                                                                                                                                                                                                   | Accepted by: <u>[Signature]</u> | Date: <u>10/13/25</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Time: <u>1430</u> |
| Comments, Special Requirements or Regulations:<br>Report to: <u>TB Date</u><br><u>10/17/25</u><br><u>SR</u><br><u>paul.scholar</u><br><u>sterlingenvironmental.com</u>                                                                                                |                                 | Data Format:<br><input checked="" type="checkbox"/> Phoenix Std Report<br><input checked="" type="checkbox"/> Excel<br><input checked="" type="checkbox"/> PDF<br><input type="checkbox"/> GIS/Key                                                                                                                                                                                                                                                                                                                                                          |                   |
| Turnaround:<br><input type="checkbox"/> 1 Day*<br><input type="checkbox"/> 2 Days*<br><input type="checkbox"/> 3 Days*<br><input type="checkbox"/> 4 Days*<br><input type="checkbox"/> 5 Days*<br><input checked="" type="checkbox"/> Standard<br>* SURCHARGE APPLIES |                                 | Data Package:<br><input type="checkbox"/> NJ Reduced Deliv. *<br><input type="checkbox"/> NY Enhanced (ASP B) *                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |
| NJ<br><input type="checkbox"/> Res. Criteria<br><input type="checkbox"/> Non-Res. Criteria<br><input type="checkbox"/> Impact to GW Soil Cleanup Criteria<br><input type="checkbox"/> Impact to GW soil screen Criteria<br><input type="checkbox"/> GW Criteria       |                                 | PA<br><input type="checkbox"/> TOGS GW<br><input checked="" type="checkbox"/> CP-51 SOIL<br><input type="checkbox"/> 375SCO<br><input type="checkbox"/> Unrestricted Soil<br><input type="checkbox"/> 375SCO<br><input type="checkbox"/> Residential Soil<br><input type="checkbox"/> 375SCO<br><input type="checkbox"/> Residential Restricted Soil<br><input type="checkbox"/> 375SCO<br><input type="checkbox"/> Commercial Soil<br><input type="checkbox"/> 375SCO<br><input type="checkbox"/> Industrial Soil<br><input type="checkbox"/> Subpart 5 DW |                   |
| State Samples Collected?                                                                                                                                                                                                                                              |                                 | NY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |



Geology

Hydrology

Remediation

Water Supply

December 8, 2025

Mr. Paul W. Scholar  
Senior Geologist  
Sterling Environmental Engineering, P.C.  
24 Wade Road  
Latham, New York 12110

Re: Data Validation Report  
441 and 442 Waverly Avenue #28012  
October 2025 Ground Water Samples

Dear Mr. Scholar:

The data usability summary report (DUSR) and QA/QC review are attached to this letter for the 441 and 442 Waverly Avenue project October 2025 sampling event. The data for Pheonix Environmental Laboratories, Inc., SDG number: GCU49463 are acceptable with some minor issues identified and discussed in the DUSR and validation summary. There are no data that are qualified as rejected, unusable (R) in the data pack.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,  
Alpha Geoscience

Donald Anné  
Senior Chemist

DCA:dca  
attachments

z:\projects\2009\09600 - 09620\09619-waverly ave\temp-review\waverly ave-252.ltr.docx



# Alpha Geoscience: Acronyms and Definitions

## Data Validation Acronyms

|             |                                                                   |
|-------------|-------------------------------------------------------------------|
| AA          | Atomic absorption, flame technique                                |
| BHC         | Hexachlorocyclohexane                                             |
| BFB         | Bromofluorobenzene                                                |
| CCB         | Continuing calibration blank                                      |
| CCC         | Calibration check compound                                        |
| CCV         | Continuing calibration verification                               |
| CN          | Cyanide                                                           |
| CRDL        | Contract required detection limit                                 |
| CRQL        | Contract required quantitation limit                              |
| CVAA        | Atomic adsorption, cold vapor technique                           |
| DCAA        | 2,4-Dichlorophenylacetic acid                                     |
| DCB         | Decachlorobiphenyl                                                |
| DFTPP       | Decafluorotriphenyl phosphine                                     |
| ECD         | Electron capture detector                                         |
| FAA         | Atomic absorption, furnace technique                              |
| FID         | Flame ionization detector                                         |
| FNP         | 1-Fluoronaphthalene                                               |
| GC          | Gas chromatography                                                |
| GC/MS       | Gas chromatography/mass spectrometry                              |
| GPC         | Gel permeation chromatography                                     |
| ICB         | Initial calibration blank                                         |
| ICP         | Inductively coupled plasma-atomic emission spectrometer           |
| ICV         | Initial calibration verification                                  |
| IDL         | Instrument detection limit                                        |
| IS          | Internal standard                                                 |
| LCS         | Laboratory control sample                                         |
| LCS/LCSD    | Laboratory control sample/laboratory control sample duplicate     |
| MSA         | Method of standard additions                                      |
| MS/MSD      | Matrix spike/matrix spike duplicate                               |
| PID         | Photo ionization detector                                         |
| PCB         | Polychlorinated biphenyl                                          |
| PCDD        | Polychlorinated dibenzodioxins                                    |
| PCDF        | Polychlorinated dibenzofurans                                     |
| QA          | Quality assurance                                                 |
| QC          | Quality control                                                   |
| RF          | Response factor                                                   |
| RPD         | Relative percent difference                                       |
| RRF         | Relative response factor                                          |
| RRF(number) | Relative response factor at concentration of the number following |
| RT          | Retention time                                                    |
| RRT         | Relative retention time                                           |
| SDG         | Sample delivery group                                             |
| SPCC        | System performance check compound                                 |
| TCX         | Tetrachloro-m-xylene                                              |
| %D          | Percent difference                                                |
| %R          | Percent recovery                                                  |
| %RSD        | Percent relative standard deviation                               |

## **Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II**

|    |   |                                                                                                                                                                                   |
|----|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U  | = | Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank. |
| R  | = | Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.              |
| N  | = | Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.                         |
| J  | = | Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.                                     |
| J- | = | Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.                      |
| J+ | = | Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.                     |
| UJ | = | Not detected, quantitation limit may be inaccurate or imprecise.                                                                                                                  |

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report for  
Phoenix Environmental Laboratories, Inc.  
SDG: GCU49463**

**5 Ground Samples, 1 Field Duplicate,  
and 1 Trip Blank  
Collected October 13, 2025**

Prepared by: Donald Anné  
December 8, 2025

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results for 5 ground water samples, 1 field duplicate, and 1 trip blank analyzed for volatiles.

The overall performances of the analyses are acceptable. Phoenix Environmental Laboratories, Inc. did fulfill the requirements of the analytical method.

The data are acceptable with some minor issues that are identified in the accompanying data validation review. The following data were flagged:

- The “not detected” volatile result for bromomethane was qualified as “estimated” (UJ) for sample GZ-22D because 2 of 2 percent recoveries for bromomethane were below QC limits, but not below 30% in the aqueous MS/MSD sample.

All data are considered usable, with estimated (UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

# Qualified Data Section



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

December 03, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

| Date     | Time  |
|----------|-------|
| 10/13/25 | 12:55 |
| 10/14/25 | 17:05 |

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49463

Project ID: WAVERLY  
Client ID: GZ-22D

| Parameter     | Result    | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|---------------|-----------|------------|-------------|-------|----------|-----------|----|-----------|
| Client MS/MSD | Completed |            |             |       |          | 10/15/25  |    |           |

## Volatiles

|                             |    |      |      |      |   |          |    |         |
|-----------------------------|----|------|------|------|---|----------|----|---------|
| 1,1,1,2-Tetrachloroethane   | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1,1-Trichloroethane       | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1,2,2-Tetrachloroethane   | ND | 0.50 | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1,2-Trichloroethane       | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1-Dichloroethane          | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1-Dichloroethene          | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,1-Dichloropropene         | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,3-Trichlorobenzene      | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,3-Trichloropropane      | ND | 0.25 | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,4-Trichlorobenzene      | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2,4-Trimethylbenzene      | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | 0.50 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dibromoethane           | ND | 0.25 | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dichlorobenzene         | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dichloroethane          | 15 | 0.60 | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,2-Dichloropropane         | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,3,5-Trimethylbenzene      | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,3-Dichlorobenzene         | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,3-Dichloropropane         | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 1,4-Dichlorobenzene         | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2,2-Dichloropropane         | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2-Chlorotoluene             | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2-Hexanone                  | ND | 5.0  | 2.5  | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 2-Isopropyltoluene          | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |
| 4-Chlorotoluene             | ND | 1.0  | 0.25 | ug/L | 1 | 10/14/25 | MH | SW8260D |

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| 4-Methyl-2-pentanone        | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acetone                     | ND     | 25         | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                     | 1.6    | 0.70       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                | ND     | UJ 1.0     | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide            | ND     | 5.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride        | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene      | 11     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene     | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene         | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone         | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE) | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride          | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                 | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)       | ND     | 2.5        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes               | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene    | 61     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene   | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride              | 8.1    | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b>QA/QC Surrogates</b>     |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4    | 105    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene        | 90     |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1

| Parameter                     | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| % Dibromofluoromethane        | 108    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Toluene-d8                  | 97     |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (5x) | 101    |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)     | 91     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)   | 94     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (5x)             | 103    |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**December 03, 2025**

**Reviewed and Released by: Rashmi Makol, Project Manager**





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

December 03, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

| Date     | Time  |
|----------|-------|
| 10/13/25 | 13:50 |
| 10/14/25 | 17:05 |

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49464

Project ID: WAVERLY  
Client ID: GZ-21D

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>            |        |            |             |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | 0.50        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 51     | 3.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D   |

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| Acetone                     | ND     | 25         | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                     | ND     | 0.70       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide            | ND     | 5.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride        | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene      | 76     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene     | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene         | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone         | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE) | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride          | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                 | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)       | ND     | 2.5        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes               | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene    | 1.3    | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene   | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b>QA/QC Surrogates</b>     |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4    | 106    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene        | 87     |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Dibromofluoromethane      | 103    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1

| Parameter                     | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| % Toluene-d8                  | 98     |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (5x) | 103    |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)     | 92     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)   | 96     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (5x)             | 100    |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

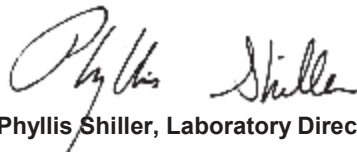
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**December 03, 2025**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

December 03, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

| Date     | Time  |
|----------|-------|
| 10/13/25 | 14:35 |
| 10/14/25 | 17:05 |

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49465

Project ID: WAVERLY  
Client ID: GZ-23D

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>            |        |            |             |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | 0.50        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 0.89   | 0.60       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D   |

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| Acetone                     | ND     | 25         | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                     | 11     | 0.70       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                | 2.8    | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide            | ND     | 5.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride        | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene      | 12     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene     | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene         | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone         | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE) | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride          | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                 | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                    | 1.4    | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene           | 13     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)       | ND     | 2.5        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes               | 1.4    | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene   | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene             | 8.3    | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride              | 2.3    | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b>QA/QC Surrogates</b>     |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4    | 119    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene        | 103    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Dibromofluoromethane      | 109    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1

| Parameter    | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|--------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| % Toluene-d8 | 97     |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

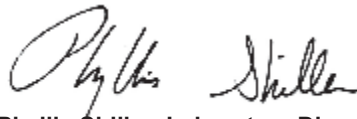
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**December 03, 2025**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

December 03, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time  
10/13/25 15:20  
10/14/25 17:05

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49466

Project ID: WAVERLY  
Client ID: OSMW-3

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>            |        |            |             |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 2.5        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 2.5        | 2.5         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 4.7        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 2.9    | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 3.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 25         | 13          | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 25         | 13          | ug/L  | 5        | 10/15/25  | MH | SW8260D   |



| Parameter                      | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 50         | 13          | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Benzene                        | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromobenzene                   | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 2.5        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromoform                      | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 25         | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chloroform                     | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | 15     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 2.5        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 25         | 13          | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 5.0        | 5.0         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 5.0        | 5.0         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| o-Xylene                       | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Styrene                        | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Tetrachloroethene              | 300    | 40         | 10          | ug/L  | 40       | 10/15/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 13         | 13          | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Toluene                        | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Total Xylenes                  | ND     | 5.0        | 5.0         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | 6.7    | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 1.3        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 13         | 13          | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Trichloroethene                | 79     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| Vinyl chloride                 | ND     | 2.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| <b><u>QA/QC Surrogates</u></b> |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4 (5x)  | 103    |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)      | 88     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)    | 97     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |

1



| Parameter                      | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| % Toluene-d8 (5x)              | 98     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (40x) | 103    |            |             | %     | 40       | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (40x)     | 89     |            |             | %     | 40       | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (40x)   | 94     |            |             | %     | 40       | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (40x)             | 103    |            |             | %     | 40       | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

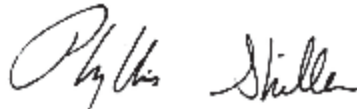
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**December 03, 2025**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

December 03, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

| Date     | Time  |
|----------|-------|
| 10/13/25 | 16:15 |
| 10/14/25 | 17:05 |

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49467

Project ID: WAVERLY  
Client ID: B6-OWD

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>            |        |            |             |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 2.5        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 10         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 2.5        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 10         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 5.0        | 5.0         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 2.5        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 4.7        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 9.4    | 6.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 2.5        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 3.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 50         | 25          | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 50         | 25          | ug/L  | 10       | 10/17/25  | MH | SW8260D   |

| Parameter                      | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|--------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| Acetone                        | ND     | 50         | 25          | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Acrylonitrile                  | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Benzene                        | 7.7    | 7.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromobenzene                   | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromochloromethane             | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromodichloromethane           | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromoform                      | ND     | 10         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Bromomethane                   | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Carbon Disulfide               | ND     | 50         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Carbon tetrachloride           | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chlorobenzene                  | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chloroethane                   | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chloroform                     | ND     | 7.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Chloromethane                  | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene         | 1200   | 100        | 25          | ug/L  | 100      | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene        | ND     | 2.5        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Dibromochloromethane           | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Dibromomethane                 | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Dichlorodifluoromethane        | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Ethylbenzene                   | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Hexachlorobutadiene            | ND     | 2.5        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Isopropylbenzene               | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| m&p-Xylene                     | ND     | 10         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Methyl ethyl ketone            | ND     | 50         | 25          | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE)    | ND     | 10         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Methylene chloride             | ND     | 5.0        | 5.0         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Naphthalene                    | ND     | 5.0        | 5.0         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| n-Butylbenzene                 | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| n-Propylbenzene                | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| o-Xylene                       | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| p-Isopropyltoluene             | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| sec-Butylbenzene               | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Styrene                        | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| tert-Butylbenzene              | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Tetrachloroethene              | 800    | 100        | 25          | ug/L  | 100      | 10/15/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)          | ND     | 25         | 25          | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Toluene                        | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Total Xylenes                  | ND     | 5.0        | 5.0         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene       | 16     | 10         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene      | ND     | 2.5        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene    | ND     | 25         | 25          | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Trichloroethene                | 2300   | 100        | 25          | ug/L  | 100      | 10/15/25  | MH | SW8260D    |
| Trichlorofluoromethane         | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Trichlorotrifluoroethane       | ND     | 5.0        | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| Vinyl chloride                 | 22     | 10         | 2.5         | ug/L  | 10       | 10/17/25  | MH | SW8260D    |
| <b>QA/QC Surrogates</b>        |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4 (10x) | 117    |            |             | %     | 10       | 10/17/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (10x)     | 76     |            |             | %     | 10       | 10/17/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (10x)   | 106    |            |             | %     | 10       | 10/17/25  | MH | 70 - 130 % |

B

1

| Parameter                       | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|---------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| % Toluene-d8 (10x)              | 110    |            |             | %     | 10       | 10/17/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (100x) | 105    |            |             | %     | 100      | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (100x)     | 90     |            |             | %     | 100      | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (100x)   | 98     |            |             | %     | 100      | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (100x)             | 98     |            |             | %     | 100      | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

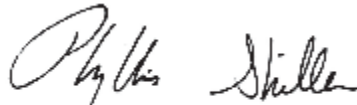
#### **Volatile Comment:**

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**December 03, 2025**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

December 03, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

10/13/25  
10/14/25 17:05

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49468

Project ID: WAVERLY  
Client ID: TB10132025

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>            |        |            |             |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | 0.50        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | ND     | 0.60       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D   |

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| Acetone                     | ND     | 25         | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Acrylonitrile               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Benzene                     | ND     | 0.70       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromobenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromochloromethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromodichloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromoform                   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Bromomethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon Disulfide            | ND     | 5.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Carbon tetrachloride        | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chlorobenzene               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloroform                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Chloromethane               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene     | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromochloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dibromomethane              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Dichlorodifluoromethane     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Ethylbenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Hexachlorobutadiene         | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Isopropylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| m&p-Xylene                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl ethyl ketone         | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE) | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Methylene chloride          | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Naphthalene                 | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Butylbenzene              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| n-Propylbenzene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| o-Xylene                    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| p-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| sec-Butylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Styrene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| tert-Butylbenzene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrachloroethene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)       | ND     | 2.5        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Toluene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Total Xylenes               | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene   | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichloroethene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorofluoromethane      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Trichlorotrifluoroethane    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| Vinyl chloride              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/14/25  | MH | SW8260D    |
| <b>QA/QC Surrogates</b>     |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4    | 101    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Bromofluorobenzene        | 91     |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |
| % Dibromofluoromethane      | 106    |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1

| Parameter    | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|--------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| % Toluene-d8 | 94     |            |             | %     | 1        | 10/14/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

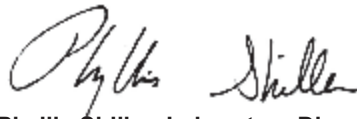
### **Comments:**

TRIP BLANK INCLUDED.

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**December 03, 2025**

**Reviewed and Released by: Rashmi Makol, Project Manager**





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102



# Analysis Report

December 03, 2025

FOR: Attn: Paul Scholar  
Sterling Env. Engineering  
24 Wade Road  
Latham, NY 12110

## Sample Information

Matrix: GROUND WATER  
Location Code: STERLING  
Rush Request: Standard  
P.O.#: 28012

## Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

10/13/25  
10/14/25 17:05

## Laboratory Data

SDG ID: GCU49463  
Phoenix ID: CU49469

Project ID: WAVERLY  
Client ID: DUP10132025

| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|-----------|
| <b>Volatiles</b>            |        |            |             |       |          |           |    |           |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1,1-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1,2,2-Tetrachloroethane   | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1,2-Trichloroethane       | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1-Dichloroethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1-Dichloroethene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,1-Dichloropropene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,3-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,3-Trichloropropane      | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,4-Trichlorobenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2,4-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dibromo-3-chloropropane | ND     | 0.50       | 0.50        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dibromoethane           | ND     | 0.25       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,2-Dichloroethane          | 49     | 3.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D   |
| 1,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,3,5-Trimethylbenzene      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,3-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,3-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 1,4-Dichlorobenzene         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2,2-Dichloropropane         | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2-Hexanone                  | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 2-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 4-Chlorotoluene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D   |
| 4-Methyl-2-pentanone        | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/19/25  | MH | SW8260D   |



| Parameter                   | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-----------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| Acetone                     | ND     | 25         | 2.5         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Acrylonitrile               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Benzene                     | ND     | 0.70       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromobenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromochloromethane          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromodichloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromoform                   | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Bromomethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Carbon Disulfide            | ND     | 5.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Carbon tetrachloride        | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chlorobenzene               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chloroethane                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chloroform                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Chloromethane               | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| cis-1,2-Dichloroethene      | 76     | 5.0        | 1.3         | ug/L  | 5        | 10/15/25  | MH | SW8260D    |
| cis-1,3-Dichloropropene     | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Dibromochloromethane        | ND     | 0.50       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Dibromomethane              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Dichlorodifluoromethane     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Ethylbenzene                | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Hexachlorobutadiene         | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Isopropylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| m&p-Xylene                  | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Methyl ethyl ketone         | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Methyl t-butyl ether (MTBE) | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Methylene chloride          | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Naphthalene                 | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| n-Butylbenzene              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| n-Propylbenzene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| o-Xylene                    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| p-Isopropyltoluene          | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| sec-Butylbenzene            | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Styrene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| tert-Butylbenzene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Tetrachloroethene           | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Tetrahydrofuran (THF)       | ND     | 2.5        | 2.5         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Toluene                     | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Total Xylenes               | ND     | 1.0        | 1.0         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| trans-1,2-Dichloroethene    | 1.1    | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| trans-1,3-Dichloropropene   | ND     | 0.40       | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| trans-1,4-dichloro-2-butene | ND     | 5.0        | 2.5         | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Trichloroethene             | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Trichlorofluoromethane      | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Trichlorotrifluoroethane    | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| Vinyl chloride              | ND     | 1.0        | 0.25        | ug/L  | 1        | 10/19/25  | MH | SW8260D    |
| <b>QA/QC Surrogates</b>     |        |            |             |       |          |           |    |            |
| % 1,2-dichlorobenzene-d4    | 113    |            |             | %     | 1        | 10/19/25  | MH | 70 - 130 % |
| % Bromofluorobenzene        | 83     |            |             | %     | 1        | 10/19/25  | MH | 70 - 130 % |
| % Dibromofluoromethane      | 101    |            |             | %     | 1        | 10/19/25  | MH | 70 - 130 % |

1

| Parameter                     | Result | RL/<br>PQL | LOD/<br>MDL | Units | Dilution | Date/Time | By | Reference  |
|-------------------------------|--------|------------|-------------|-------|----------|-----------|----|------------|
| % Toluene-d8                  | 98     |            |             | %     | 1        | 10/19/25  | MH | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (5x) | 101    |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Bromofluorobenzene (5x)     | 90     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Dibromofluoromethane (5x)   | 99     |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |
| % Toluene-d8 (5x)             | 100    |            |             | %     | 5        | 10/15/25  | MH | 70 - 130 % |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

#### **Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**December 03, 2025**

**Reviewed and Released by: Rashmi Makol, Project Manager**

# VOC Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8260D Volatiles Data  
for Phoenix Environmental Laboratories, Inc.  
SDG: GCU49463**

**5 Ground Samples, 1 Field Duplicate,  
and 1 Trip Blank  
Collected October 13, 2025**

Prepared by: Donald Anné  
December 8, 2025

---

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSD for 4-methyl-2-pentanone was above the allowable maximum (30%) for CHEM17 on 10-15-25. Positive results for 4-methyl-2-pentanone should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %Ds for dichlorodifluoromethane and bromomethane were above the method maximum on 10-15-25 (1015\_02.D). The %D for bromomethane was above the method maximum on 10-14-25 (1014\_02.D). The %D for bromomethane was above the method maximum on 10-17-25 (1016\_53.D). The %Ds for bromomethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, and styrene were above the method maximum on 10-18-25 (1018\_02.D). No action is taken when fewer than 20% of the compounds per calibration do not meet either method %D or RRF criteria, provided the RRFs are not below 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for dichlorodifluoromethane and bromomethane were above the allowable maximum (20%) on 10-15-25 (1015\_02.D). The %Ds for bromomethane and trans-1,4-dichloro-2-butene were above the allowable maximum (20%) on 10-14-25 (1014\_02.D).

The %D for bromomethane was above the allowable maximum (20%) on 10-17-25 (1016\_53.D). The %Ds for bromomethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, and styrene were above the allowable maximum (20%) on 10-18-25 (1018\_02.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: The applicable internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum; 2 of 2 percent recoveries (%Rs) for acetone were above QC limits; and 2 of 2 %Rs for bromomethane were below QC limits, but not below 30% for aqueous MS/MSD sample GZ-22D. The “not detected” result for bromomethane should be considered estimated (UJ) in sample GZ-22D.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples CU49463 LCS, CU49464 LCS, and CU50822 LCS.

The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for dichlorodifluoromethane were above QC limits for aqueous samples CU51342 LCS. Positive results for dichlorodifluoromethane should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (20%) for aqueous field duplicate pair GZ-21D/DUP101325 (attached table), as required.

Compound ID: Checked compound results were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

## WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLINGLab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463Matrix Spike - Client Id: CU49463 / GZ-22D MS Level:(low/med) Med

| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L | MS<br>CONCENTRATION<br>ug/L | MS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |        |
|-----------------------------|------------------------|---------------------------------|-----------------------------|------------------|-----------------------|--------|
| Dichlorodifluoromethane     | 10.00                  | 0.0                             | 11.35                       | 113              | 70                    | 130    |
| Chloromethane               | 10.00                  | 0.0                             | 10.71                       | 107              | 70                    | 130    |
| Vinyl Chloride              | 10.00                  | 8.1                             | 19.40                       | 113              | 70                    | 130    |
| Bromomethane                | 10.00                  | 0.41                            | 5.427                       | 50 *             | 70                    | 130    |
| Chloroethane                | 10.00                  | 0.54                            | 12.05                       | 115              | 70                    | 130    |
| Trichlorofluoromethane      | 10.00                  | 0.0                             | 11.61                       | 116              | 70                    | 130    |
| 1,1-Dichloroethene          | 10.00                  | 0.0                             | 11.24                       | 112              | 59                    | 172    |
| Trichlorotrifluoroethane    | 10.00                  | 0.0                             | 12.11                       | 121              | 70                    | 130    |
| Carbon Disulfide            | 10.00                  | 0.0                             | 11.29                       | 113              | 70                    | 130    |
| Methylene Chloride          | 10.00                  | 0.0                             | 10.20                       | 102              | 70                    | 130    |
| Acetone                     | 10.00                  | 0.0                             | 13.76                       | 138 *            | 70                    | 130    |
| Trans-1,2-Dichloroethene    | 10.00                  | 61                              | 73.06                       | NC               | 70                    | 130    |
| Methyl t-Butyl Ether (MTBE) | 10.00                  | 0.39                            | 10.37                       | 100              | 70                    | 130    |
| 1,1-Dichloroethane          | 10.00                  | 0.0                             | 11.03                       | 110              | 70                    | 130    |
| Acrylonitrile               | 10.00                  | 0.0                             | 10.29                       | 103              | 70                    | 130    |
| Cis-1,2-Dichloroethene      | 10.00                  | 11                              | 22.17                       | 112              | 70                    | 130    |
| 2,2-Dichloropropane         | 10.00                  | 0.0                             | 9.695                       | 97               | 70                    | 130    |
| Bromochloromethane          | 10.00                  | 0.0                             | 10.57                       | 106              | 70                    | 130    |
| Chloroform                  | 10.00                  | 0.0                             | 10.06                       | 101              | 70                    | 130    |
| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | MSD<br>CONCENTRATION<br>ug/L    | MSD<br>%<br>REC #           | %<br>RPD         | QC LIMITS             |        |
|                             |                        |                                 |                             |                  | RPD                   | REC.   |
| Dichlorodifluoromethane     | 10.00                  | 11.33                           | 113                         | 0.0              | 30                    | 70 130 |
| Chloromethane               | 10.00                  | 11.16                           | 112                         | 4.6              | 30                    | 70 130 |
| Vinyl Chloride              | 10.00                  | 20.00                           | 119                         | 5.2              | 30                    | 70 130 |
| Bromomethane                | 10.00                  | 6.617                           | 62 *                        | 21.4             | 30                    | 70 130 |
| Chloroethane                | 10.00                  | 11.94                           | 114                         | 0.9              | 30                    | 70 130 |
| Trichlorofluoromethane      | 10.00                  | 11.73                           | 117                         | 0.9              | 30                    | 70 130 |
| 1,1-Dichloroethene          | 10.00                  | 11.72                           | 117                         | 4.4              | 30                    | 59 172 |
| Trichlorotrifluoroethane    | 10.00                  | 12.36                           | 124                         | 2.4              | 30                    | 70 130 |
| Carbon Disulfide            | 10.00                  | 11.98                           | 120                         | 6.0              | 30                    | 70 130 |
| Methylene Chloride          | 10.00                  | 10.64                           | 106                         | 3.8              | 30                    | 70 130 |
| Acetone                     | 10.00                  | 14.56                           | 146 *                       | 5.6              | 30                    | 70 130 |
| Trans-1,2-Dichloroethene    | 10.00                  | 74.13                           | NC                          | NC               | 30                    | 70 130 |
| Methyl t-Butyl Ether (MTBE) | 10.00                  | 11.02                           | 106                         | 5.8              | 30                    | 70 130 |
| 1,1-Dichloroethane          | 10.00                  | 11.43                           | 114                         | 3.6              | 30                    | 70 130 |
| Acrylonitrile               | 10.00                  | 12.08                           | 121                         | 16.1             | 30                    | 70 130 |
| Cis-1,2-Dichloroethene      | 10.00                  | 23.36                           | 124                         | 10.2             | 30                    | 70 130 |
| 2,2-Dichloropropane         | 10.00                  | 9.972                           | 100                         | 3.0              | 30                    | 70 130 |
| Bromochloromethane          | 10.00                  | 10.89                           | 109                         | 2.8              | 30                    | 70 130 |
| Chloroform                  | 10.00                  | 10.49                           | 105                         | 3.9              | 30                    | 70 130 |

FORM III VOA

## WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLINGLab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463Matrix Spike - Client Id: CU49463 / GZ-22D MS Level:(low/med) Med

| COMPOUND                  | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L | MS<br>CONCENTRATION<br>ug/L | MS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |        |
|---------------------------|------------------------|---------------------------------|-----------------------------|------------------|-----------------------|--------|
| Carbon Tetrachloride      | 10.00                  | 0.0                             | 10.74                       | 107              | 70                    | 130    |
| Tetrahydrofuran (THF)     | 25.00                  | 0.0                             | 25.27                       | 101              | 70                    | 130    |
| 1,1,1-Trichloroethane     | 10.00                  | 0.0                             | 11.22                       | 112              | 70                    | 130    |
| Methyl Ethyl Ketone       | 10.00                  | 0.0                             | 11.27                       | 113              | 70                    | 130    |
| 1,1-Dichloropropene       | 10.00                  | 0.0                             | 10.32                       | 103              | 70                    | 130    |
| Benzene                   | 10.00                  | 1.6                             | 12.18                       | 105              | 66                    | 142    |
| 1,2-Dichloroethane        | 10.00                  | 15                              | 22.98                       | 85               | 70                    | 130    |
| Trichloroethene           | 10.00                  | 0.0                             | 10.83                       | 108              | 62                    | 137    |
| Dibromomethane            | 10.00                  | 0.0                             | 10.31                       | 103              | 70                    | 130    |
| 1,2-dichloropropane       | 10.00                  | 0.0                             | 10.62                       | 106              | 70                    | 130    |
| Bromodichloromethane      | 10.00                  | 0.0                             | 10.19                       | 102              | 70                    | 130    |
| cis-1,3-Dichloropropene   | 10.00                  | 0.0                             | 10.52                       | 105              | 70                    | 130    |
| Toluene                   | 10.00                  | 0.0                             | 10.84                       | 108              | 59                    | 139    |
| 4-Methyl-2-Pentanone      | 10.00                  | 0.0                             | 9.181                       | 92               | 70                    | 130    |
| Tetrachloroethene         | 10.00                  | 0.0                             | 11.11                       | 111              | 70                    | 130    |
| trans-1,3-Dichloropropene | 10.00                  | 0.0                             | 10.66                       | 107              | 70                    | 130    |
| 1,1,2-Trichloroethane     | 10.00                  | 0.0                             | 10.44                       | 104              | 70                    | 130    |
| Dibromochloromethane      | 10.00                  | 0.0                             | 9.528                       | 95               | 70                    | 130    |
| 1,3-Dichloropropane       | 10.00                  | 0.0                             | 9.965                       | 100              | 70                    | 130    |
| COMPOUND                  | SPIKE<br>ADDED<br>ug/L | MSD<br>CONCENTRATION<br>ug/L    | MSD<br>%<br>REC #           | %<br>RPD         | QC LIMITS             |        |
|                           |                        |                                 |                             |                  | RPD                   | REC.   |
| Carbon Tetrachloride      | 10.00                  | 11.18                           | 112                         | 4.6              | 30                    | 70 130 |
| Tetrahydrofuran (THF)     | 25.00                  | 29.53                           | 118                         | 15.5             | 30                    | 70 130 |
| 1,1,1-Trichloroethane     | 10.00                  | 11.46                           | 115                         | 2.6              | 30                    | 70 130 |
| Methyl Ethyl Ketone       | 10.00                  | 12.28                           | 123                         | 8.5              | 30                    | 70 130 |
| 1,1-Dichloropropene       | 10.00                  | 10.85                           | 108                         | 4.7              | 30                    | 70 130 |
| Benzene                   | 10.00                  | 12.65                           | 110                         | 4.7              | 30                    | 66 142 |
| 1,2-Dichloroethane        | 10.00                  | 23.34                           | 88                          | 3.5              | 30                    | 70 130 |
| Trichloroethene           | 10.00                  | 11.06                           | 111                         | 2.7              | 30                    | 62 137 |
| Dibromomethane            | 10.00                  | 10.90                           | 109                         | 5.7              | 30                    | 70 130 |
| 1,2-dichloropropane       | 10.00                  | 10.90                           | 109                         | 2.8              | 30                    | 70 130 |
| Bromodichloromethane      | 10.00                  | 10.87                           | 109                         | 6.6              | 30                    | 70 130 |
| cis-1,3-Dichloropropene   | 10.00                  | 11.25                           | 113                         | 7.3              | 30                    | 70 130 |
| Toluene                   | 10.00                  | 11.25                           | 113                         | 4.5              | 30                    | 59 139 |
| 4-Methyl-2-Pentanone      | 10.00                  | 10.24                           | 102                         | 10.3             | 30                    | 70 130 |
| Tetrachloroethene         | 10.00                  | 11.41                           | 114                         | 2.7              | 30                    | 70 130 |
| trans-1,3-Dichloropropene | 10.00                  | 11.49                           | 115                         | 7.2              | 30                    | 70 130 |
| 1,1,2-Trichloroethane     | 10.00                  | 11.07                           | 111                         | 6.5              | 30                    | 70 130 |
| Dibromochloromethane      | 10.00                  | 9.974                           | 100                         | 5.1              | 30                    | 70 130 |
| 1,3-Dichloropropane       | 10.00                  | 10.31                           | 103                         | 3.0              | 30                    | 70 130 |

FORM III VOA

## WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLINGLab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463Matrix Spike - Client Id: CU49463 / GZ-22D MS Level:(low/med) Med

| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L | MS<br>CONCENTRATION<br>ug/L | MS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |           |      |
|-----------------------------|------------------------|---------------------------------|-----------------------------|------------------|-----------------------|-----------|------|
| 1,2-Dibromoethane           | 10.00                  | 0.0                             | 9.608                       | 96               | 70                    | 130       |      |
| 2-Hexanone                  | 10.00                  | 0.0                             | 9.844                       | 98               | 70                    | 130       |      |
| Chlorobenzene               | 10.00                  | 0.0                             | 10.16                       | 102              | 60                    | 133       |      |
| Ethylbenzene                | 10.00                  | 0.0                             | 10.85                       | 108              | 70                    | 130       |      |
| 1,1,1,2-Tetrachloroethane   | 10.00                  | 0.0                             | 10.03                       | 100              | 70                    | 130       |      |
| m&p-Xylene                  | 20.00                  | 0.0                             | 22.22                       | 111              | 70                    | 130       |      |
| o-Xylene                    | 10.00                  | 0.0                             | 10.84                       | 108              | 70                    | 130       |      |
| Styrene                     | 10.00                  | 0.0                             | 10.99                       | 110              | 70                    | 130       |      |
| Bromoform                   | 10.00                  | 0.0                             | 9.511                       | 95               | 70                    | 130       |      |
| Isopropylbenzene            | 10.00                  | 0.0                             | 10.78                       | 108              | 70                    | 130       |      |
| Bromobenzene                | 10.00                  | 0.0                             | 9.606                       | 96               | 70                    | 130       |      |
| n-Propylbenzene             | 10.00                  | 0.0                             | 10.15                       | 101              | 70                    | 130       |      |
| 1,1,2,2-Tetrachloroethane   | 10.00                  | 0.0                             | 9.260                       | 93               | 70                    | 130       |      |
| 2-Chlorotoluene             | 10.00                  | 0.0                             | 10.05                       | 101              | 70                    | 130       |      |
| 1,3,5-Trimethylbenzene      | 10.00                  | 0.0                             | 10.95                       | 109              | 70                    | 130       |      |
| 1,2,3-Trichloropropane      | 10.00                  | 0.0                             | 8.930                       | 89               | 70                    | 130       |      |
| trans-1,4-Dichloro-2-butene | 50.00                  | 0.0                             | 39.34                       | 79               | 70                    | 130       |      |
| 4-Chlorotoluene             | 10.00                  | 0.0                             | 9.884                       | 99               | 70                    | 130       |      |
| tert-Butylbenzene           | 10.00                  | 0.0                             | 10.56                       | 106              | 70                    | 130       |      |
| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | MSD<br>CONCENTRATION<br>ug/L    | MSD<br>%<br>REC #           | %<br>RPD         | #                     | QC LIMITS |      |
|                             |                        |                                 |                             |                  |                       | RPD       | REC. |
| 1,2-Dibromoethane           | 10.00                  | 10.10                           | 101                         | 5.1              | 30                    | 70        | 130  |
| 2-Hexanone                  | 10.00                  | 10.26                           | 103                         | 5.0              | 30                    | 70        | 130  |
| Chlorobenzene               | 10.00                  | 10.40                           | 104                         | 1.9              | 30                    | 60        | 133  |
| Ethylbenzene                | 10.00                  | 11.39                           | 114                         | 5.4              | 30                    | 70        | 130  |
| 1,1,1,2-Tetrachloroethane   | 10.00                  | 10.36                           | 104                         | 3.9              | 30                    | 70        | 130  |
| m&p-Xylene                  | 20.00                  | 22.78                           | 114                         | 2.7              | 30                    | 70        | 130  |
| o-Xylene                    | 10.00                  | 11.20                           | 112                         | 3.6              | 30                    | 70        | 130  |
| Styrene                     | 10.00                  | 11.47                           | 115                         | 4.4              | 30                    | 70        | 130  |
| Bromoform                   | 10.00                  | 10.00                           | 100                         | 5.1              | 30                    | 70        | 130  |
| Isopropylbenzene            | 10.00                  | 11.40                           | 114                         | 5.4              | 30                    | 70        | 130  |
| Bromobenzene                | 10.00                  | 10.14                           | 101                         | 5.1              | 30                    | 70        | 130  |
| n-Propylbenzene             | 10.00                  | 11.07                           | 111                         | 9.4              | 30                    | 70        | 130  |
| 1,1,2,2-Tetrachloroethane   | 10.00                  | 9.728                           | 97                          | 4.2              | 30                    | 70        | 130  |
| 2-Chlorotoluene             | 10.00                  | 10.78                           | 108                         | 6.7              | 30                    | 70        | 130  |
| 1,3,5-Trimethylbenzene      | 10.00                  | 11.24                           | 112                         | 2.7              | 30                    | 70        | 130  |
| 1,2,3-Trichloropropane      | 10.00                  | 9.641                           | 96                          | 7.6              | 30                    | 70        | 130  |
| trans-1,4-Dichloro-2-butene | 50.00                  | 42.38                           | 85                          | 7.3              | 30                    | 70        | 130  |
| 4-Chlorotoluene             | 10.00                  | 10.37                           | 104                         | 4.9              | 30                    | 70        | 130  |
| tert-Butylbenzene           | 10.00                  | 11.40                           | 114                         | 7.3              | 30                    | 70        | 130  |

FORM III VOA



## WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLINGLab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463Matrix Spike - Client Id: CU49463 / GZ-22D MS Level:(low/med) Med

| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L |                   | MS<br>CONCENTRATION<br>ug/L | MS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |      |
|-----------------------------|------------------------|---------------------------------|-------------------|-----------------------------|------------------|-----------------------|------|
| 1,2,4-Trimethylbenzene      | 10.00                  | 0.0                             |                   | 10.64                       | 106              | 70                    | 130  |
| sec-Butylbenzene            | 10.00                  | 0.0                             |                   | 10.58                       | 106              | 70                    | 130  |
| p-Isopropyltoluene          | 10.00                  | 0.0                             |                   | 10.98                       | 110              | 70                    | 130  |
| 1,3-Dichlorobenzene         | 10.00                  | 0.0                             |                   | 9.652                       | 97               | 70                    | 130  |
| 1,4-Dichlorobenzene         | 10.00                  | 0.0                             |                   | 9.419                       | 94               | 70                    | 130  |
| 2-Isopropyltoluene          | 10.00                  | 0.0                             |                   | 10.52                       | 105              | 70                    | 130  |
| n-Butylbenzene              | 10.00                  | 0.0                             |                   | 10.46                       | 105              | 70                    | 130  |
| 1,2-Dichlorobenzene         | 10.00                  | 0.0                             |                   | 9.151                       | 92               | 70                    | 130  |
| 1,2-Dibromo-3-Chloropropane | 10.00                  | 0.0                             |                   | 8.936                       | 89               | 70                    | 130  |
| Hexachlorobutadiene         | 10.00                  | 0.0                             |                   | 9.981                       | 100              | 70                    | 130  |
| 1,2,4-Trichlorobenzene      | 10.00                  | 0.0                             |                   | 9.502                       | 95               | 70                    | 130  |
| Naphthalene                 | 10.00                  | 0.0                             |                   | 9.748                       | 97               | 70                    | 130  |
| 1,2,3-Trichlorobenzene      | 10.00                  | 0.0                             |                   | 9.461                       | 95               | 70                    | 130  |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | MSD<br>CONCENTRATION<br>ug/L    | MSD<br>%<br>REC # | %<br>RPD                    | #                | QC LIMITS             |      |
|                             |                        |                                 |                   |                             |                  | RPD                   | REC. |
| 1,2,4-Trimethylbenzene      | 10.00                  | 11.20                           | 112               | 5.5                         | 30               | 70                    | 130  |
| sec-Butylbenzene            | 10.00                  | 11.05                           | 110               | 3.7                         | 30               | 70                    | 130  |
| p-Isopropyltoluene          | 10.00                  | 11.48                           | 115               | 4.4                         | 30               | 70                    | 130  |
| 1,3-Dichlorobenzene         | 10.00                  | 10.02                           | 100               | 3.0                         | 30               | 70                    | 130  |
| 1,4-Dichlorobenzene         | 10.00                  | 9.699                           | 97                | 3.1                         | 30               | 70                    | 130  |
| 2-Isopropyltoluene          | 10.00                  | 11.24                           | 112               | 6.5                         | 30               | 70                    | 130  |
| n-Butylbenzene              | 10.00                  | 11.17                           | 112               | 6.5                         | 30               | 70                    | 130  |
| 1,2-Dichlorobenzene         | 10.00                  | 9.504                           | 95                | 3.2                         | 30               | 70                    | 130  |
| 1,2-Dibromo-3-Chloropropane | 10.00                  | 10.09                           | 101               | 12.6                        | 30               | 70                    | 130  |
| Hexachlorobutadiene         | 10.00                  | 10.54                           | 105               | 4.9                         | 30               | 70                    | 130  |
| 1,2,4-Trichlorobenzene      | 10.00                  | 9.981                           | 100               | 5.1                         | 30               | 70                    | 130  |
| Naphthalene                 | 10.00                  | 10.99                           | 110               | 12.6                        | 30               | 70                    | 130  |
| 1,2,3-Trichlorobenzene      | 10.00                  | 9.998                           | 100               | 5.1                         | 30               | 70                    | 130  |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |
|                             |                        |                                 |                   |                             |                  |                       |      |

FORM III VOA

3C  
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463

LCS Spike - Client Id: CU51342 LCS Level:(low/med) Med

| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L | LCS<br>CONCENTRATION<br>ug/L | LCS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |        |
|-----------------------------|------------------------|---------------------------------|------------------------------|-------------------|-----------------------|--------|
| Dichlorodifluoromethane     | 10                     | 0.0                             | 13.19                        | 132 *             | 70                    | 130    |
| Chloromethane               | 10                     | 0.0                             | 12.34                        | 123               | 70                    | 130    |
| Vinyl Chloride              | 10                     | 0.0                             | 12.07                        | 121               | 70                    | 130    |
| Bromomethane                | 10                     | 0.0                             | 8.541                        | 85                | 70                    | 130    |
| Chloroethane                | 10                     | 0.0                             | 10.73                        | 107               | 70                    | 130    |
| Trichlorofluoromethane      | 10                     | 0.0                             | 10.72                        | 107               | 70                    | 130    |
| 1,1-Dichloroethene          | 10                     | 0.0                             | 10.74                        | 107               | 70                    | 130    |
| Trichlorotrifluoroethane    | 10                     | 0.0                             | 11.43                        | 114               | 70                    | 130    |
| Carbon Disulfide            | 10                     | 0.0                             | 11.27                        | 113               | 70                    | 130    |
| Methylene Chloride          | 10                     | 0.0                             | 10.71                        | 107               | 70                    | 130    |
| Acetone                     | 10                     | 0.0                             | 10.93                        | 109               | 70                    | 130    |
| Trans-1,2-Dichloroethene    | 10                     | 0.0                             | 10.90                        | 109               | 70                    | 130    |
| Methyl t-Butyl Ether (MTBE) | 10                     | 0.0                             | 11.34                        | 113               | 70                    | 130    |
| 1,1-Dichloroethane          | 10                     | 0.0                             | 11.17                        | 112               | 70                    | 130    |
| Acrylonitrile               | 10                     | 0.0                             | 11.57                        | 116               | 70                    | 130    |
| 2,2-Dichloropropane         | 10                     | 0.0                             | 12.04                        | 120               | 70                    | 130    |
| Bromochloromethane          | 10                     | 0.0                             | 10.99                        | 110               | 70                    | 130    |
| Chloroform                  | 10                     | 0.0                             | 11.00                        | 110               | 70                    | 130    |
| Carbon Tetrachloride        | 10                     | 0.0                             | 11.09                        | 111               | 70                    | 130    |
| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | LCSD<br>CONCENTRATION<br>ug/L   | LCSD<br>%<br>REC #           | %<br>RPD          | QC LIMITS             |        |
|                             |                        |                                 |                              |                   | RPD                   | REC.   |
| Dichlorodifluoromethane     | 10                     | 13.79                           | 138 *                        | 4.4               | 30                    | 70 130 |
| Chloromethane               | 10                     | 12.00                           | 120                          | 2.5               | 30                    | 70 130 |
| Vinyl Chloride              | 10                     | 12.11                           | 121                          | 0.0               | 30                    | 70 130 |
| Bromomethane                | 10                     | 9.343                           | 93                           | 9.0               | 30                    | 70 130 |
| Chloroethane                | 10                     | 10.87                           | 109                          | 1.9               | 30                    | 70 130 |
| Trichlorofluoromethane      | 10                     | 11.15                           | 111                          | 3.7               | 30                    | 70 130 |
| 1,1-Dichloroethene          | 10                     | 10.72                           | 107                          | 0.0               | 30                    | 70 130 |
| Trichlorotrifluoroethane    | 10                     | 11.87                           | 119                          | 4.3               | 30                    | 70 130 |
| Carbon Disulfide            | 10                     | 10.97                           | 110                          | 2.7               | 30                    | 70 130 |
| Methylene Chloride          | 10                     | 10.38                           | 104                          | 2.8               | 30                    | 70 130 |
| Acetone                     | 10                     | 10.31                           | 103                          | 5.7               | 30                    | 70 130 |
| Trans-1,2-Dichloroethene    | 10                     | 10.84                           | 108                          | 0.9               | 30                    | 70 130 |
| Methyl t-Butyl Ether (MTBE) | 10                     | 11.07                           | 111                          | 1.8               | 30                    | 70 130 |
| 1,1-Dichloroethane          | 10                     | 10.68                           | 107                          | 4.6               | 30                    | 70 130 |
| Acrylonitrile               | 10                     | 11.05                           | 110                          | 5.3               | 30                    | 70 130 |
| 2,2-Dichloropropane         | 10                     | 11.61                           | 116                          | 3.4               | 30                    | 70 130 |
| Bromochloromethane          | 10                     | 10.41                           | 104                          | 5.6               | 30                    | 70 130 |
| Chloroform                  | 10                     | 10.13                           | 101                          | 8.5               | 30                    | 70 130 |
| Carbon Tetrachloride        | 10                     | 10.56                           | 106                          | 4.6               | 30                    | 70 130 |

FORM III VOA

3C  
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463

LCS Spike - Client Id: CU51342 LCS Level:(low/med) Med

| COMPOUND                  | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L | LCS<br>CONCENTRATION<br>ug/L | LCS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |        |
|---------------------------|------------------------|---------------------------------|------------------------------|-------------------|-----------------------|--------|
| Tetrahydrofuran (THF)     | 25                     | 0.0                             | 29.06                        | 116               | 70                    | 130    |
| 1,1,1-Trichloroethane     | 10                     | 0.0                             | 11.01                        | 110               | 70                    | 130    |
| Methyl Ethyl Ketone       | 10                     | 0.0                             | 12.23                        | 122               | 70                    | 130    |
| 1,1-Dichloropropene       | 10                     | 0.0                             | 11.18                        | 112               | 70                    | 130    |
| Benzene                   | 10                     | 0.0                             | 11.98                        | 120               | 70                    | 130    |
| Trichloroethene           | 10                     | 0.0                             | 10.82                        | 108               | 70                    | 130    |
| Dibromomethane            | 10                     | 0.0                             | 10.17                        | 102               | 70                    | 130    |
| 1,2-dichloropropane       | 10                     | 0.0                             | 11.43                        | 114               | 70                    | 130    |
| Bromodichloromethane      | 10                     | 0.0                             | 11.89                        | 119               | 70                    | 130    |
| cis-1,3-Dichloropropene   | 10                     | 0.0                             | 12.83                        | 128               | 70                    | 130    |
| Toluene                   | 10                     | 0.0                             | 12.13                        | 121               | 70                    | 130    |
| 4-Methyl-2-Pentanone      | 10                     | 0.0                             | 12.20                        | 122               | 70                    | 130    |
| Tetrachloroethene         | 10                     | 0.0                             | 11.94                        | 119               | 70                    | 130    |
| trans-1,3-Dichloropropene | 10                     | 0.0                             | 13.01                        | 130               | 70                    | 130    |
| 1,1,2-Trichloroethane     | 10                     | 0.0                             | 11.96                        | 120               | 70                    | 130    |
| Dibromochloromethane      | 10                     | 0.0                             | 10.66                        | 107               | 70                    | 130    |
| 1,3-Dichloropropane       | 10                     | 0.0                             | 10.90                        | 109               | 70                    | 130    |
| 1,2-Dibromoethane         | 10                     | 0.0                             | 10.93                        | 109               | 70                    | 130    |
| 2-Hexanone                | 10                     | 0.0                             | 10.48                        | 105               | 70                    | 130    |
| COMPOUND                  | SPIKE<br>ADDED<br>ug/L | LCSD<br>CONCENTRATION<br>ug/L   | LCSD<br>%<br>REC #           | %<br>RPD          | QC LIMITS             |        |
|                           |                        |                                 |                              |                   | RPD                   | REC.   |
| Tetrahydrofuran (THF)     | 25                     | 27.67                           | 111                          | 4.4               | 30                    | 70 130 |
| 1,1,1-Trichloroethane     | 10                     | 10.62                           | 106                          | 3.7               | 30                    | 70 130 |
| Methyl Ethyl Ketone       | 10                     | 10.99                           | 110                          | 10.3              | 30                    | 70 130 |
| 1,1-Dichloropropene       | 10                     | 9.699                           | 97                           | 14.4              | 30                    | 70 130 |
| Benzene                   | 10                     | 10.16                           | 102                          | 16.2              | 30                    | 70 130 |
| Trichloroethene           | 10                     | 10.48                           | 105                          | 2.8               | 30                    | 70 130 |
| Dibromomethane            | 10                     | 9.888                           | 99                           | 3.0               | 30                    | 70 130 |
| 1,2-dichloropropane       | 10                     | 9.745                           | 97                           | 16.1              | 30                    | 70 130 |
| Bromodichloromethane      | 10                     | 9.954                           | 100                          | 17.4              | 30                    | 70 130 |
| cis-1,3-Dichloropropene   | 10                     | 10.85                           | 108                          | 16.9              | 30                    | 70 130 |
| Toluene                   | 10                     | 10.27                           | 103                          | 16.1              | 30                    | 70 130 |
| 4-Methyl-2-Pentanone      | 10                     | 9.785                           | 98                           | 21.8              | 30                    | 70 130 |
| Tetrachloroethene         | 10                     | 10.09                           | 101                          | 16.4              | 30                    | 70 130 |
| trans-1,3-Dichloropropene | 10                     | 10.98                           | 110                          | 16.7              | 30                    | 70 130 |
| 1,1,2-Trichloroethane     | 10                     | 9.948                           | 99                           | 19.2              | 30                    | 70 130 |
| Dibromochloromethane      | 10                     | 10.04                           | 100                          | 6.8               | 30                    | 70 130 |
| 1,3-Dichloropropane       | 10                     | 10.54                           | 105                          | 3.7               | 30                    | 70 130 |
| 1,2-Dibromoethane         | 10                     | 10.45                           | 104                          | 4.7               | 30                    | 70 130 |
| 2-Hexanone                | 10                     | 10.03                           | 100                          | 4.9               | 30                    | 70 130 |

FORM III VOA

3C  
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463

LCS Spike - Client Id: CU51342 LCS Level:(low/med) Med

| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L | LCS<br>CONCENTRATION<br>ug/L | LCS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |        |
|-----------------------------|------------------------|---------------------------------|------------------------------|-------------------|-----------------------|--------|
| Chlorobenzene               | 10                     | 0.0                             | 10.73                        | 107               | 70                    | 130    |
| Ethylbenzene                | 10                     | 0.0                             | 11.88                        | 119               | 70                    | 130    |
| 1,1,1,2-Tetrachloroethane   | 10                     | 0.0                             | 10.65                        | 107               | 70                    | 130    |
| m&p-Xylene                  | 20                     | 0.0                             | 24.03                        | 120               | 70                    | 130    |
| o-Xylene                    | 10                     | 0.0                             | 12.14                        | 121               | 70                    | 130    |
| Styrene                     | 10                     | 0.0                             | 12.79                        | 128               | 70                    | 130    |
| Bromoform                   | 10                     | 0.0                             | 10.99                        | 110               | 70                    | 130    |
| Isopropylbenzene            | 10                     | 0.0                             | 12.42                        | 124               | 70                    | 130    |
| Bromobenzene                | 10                     | 0.0                             | 11.56                        | 116               | 70                    | 130    |
| n-Propylbenzene             | 10                     | 0.0                             | 11.97                        | 120               | 70                    | 130    |
| 1,1,2,2-Tetrachloroethane   | 10                     | 0.0                             | 10.73                        | 107               | 70                    | 130    |
| 2-Chlorotoluene             | 10                     | 0.0                             | 11.46                        | 115               | 70                    | 130    |
| 1,3,5-Trimethylbenzene      | 10                     | 0.0                             | 12.64                        | 126               | 70                    | 130    |
| 1,2,3-Trichloropropane      | 10                     | 0.0                             | 10.72                        | 107               | 70                    | 130    |
| trans-1,4-Dichloro-2-butene | 50                     | 0.0                             | 55.23                        | 110               | 70                    | 130    |
| 4-Chlorotoluene             | 10                     | 0.0                             | 11.80                        | 118               | 70                    | 130    |
| tert-Butylbenzene           | 10                     | 0.0                             | 12.31                        | 123               | 70                    | 130    |
| 1,2,4-Trimethylbenzene      | 10                     | 0.0                             | 12.60                        | 126               | 70                    | 130    |
| sec-Butylbenzene            | 10                     | 0.0                             | 12.13                        | 121               | 70                    | 130    |
| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | LCSD<br>CONCENTRATION<br>ug/L   | LCSD<br>%<br>REC #           | %<br>RPD          | QC LIMITS             |        |
|                             |                        |                                 |                              |                   | RPD                   | REC.   |
| Chlorobenzene               | 10                     | 10.24                           | 102                          | 4.8               | 30                    | 70 130 |
| Ethylbenzene                | 10                     | 11.54                           | 115                          | 3.4               | 30                    | 70 130 |
| 1,1,1,2-Tetrachloroethane   | 10                     | 10.22                           | 102                          | 4.8               | 30                    | 70 130 |
| m&p-Xylene                  | 20                     | 22.85                           | 114                          | 5.1               | 30                    | 70 130 |
| o-Xylene                    | 10                     | 11.68                           | 117                          | 3.4               | 30                    | 70 130 |
| Styrene                     | 10                     | 12.14                           | 121                          | 5.6               | 30                    | 70 130 |
| Bromoform                   | 10                     | 10.57                           | 106                          | 3.7               | 30                    | 70 130 |
| Isopropylbenzene            | 10                     | 11.99                           | 120                          | 3.3               | 30                    | 70 130 |
| Bromobenzene                | 10                     | 10.74                           | 107                          | 8.1               | 30                    | 70 130 |
| n-Propylbenzene             | 10                     | 11.52                           | 115                          | 4.3               | 30                    | 70 130 |
| 1,1,2,2-Tetrachloroethane   | 10                     | 10.23                           | 102                          | 4.8               | 30                    | 70 130 |
| 2-Chlorotoluene             | 10                     | 11.22                           | 112                          | 2.6               | 30                    | 70 130 |
| 1,3,5-Trimethylbenzene      | 10                     | 11.91                           | 119                          | 5.7               | 30                    | 70 130 |
| 1,2,3-Trichloropropane      | 10                     | 10.08                           | 101                          | 5.8               | 30                    | 70 130 |
| trans-1,4-Dichloro-2-butene | 50                     | 52.99                           | 106                          | 3.7               | 30                    | 70 130 |
| 4-Chlorotoluene             | 10                     | 11.02                           | 110                          | 7.0               | 30                    | 70 130 |
| tert-Butylbenzene           | 10                     | 11.85                           | 119                          | 3.3               | 30                    | 70 130 |
| 1,2,4-Trimethylbenzene      | 10                     | 11.89                           | 119                          | 5.7               | 30                    | 70 130 |
| sec-Butylbenzene            | 10                     | 11.55                           | 115                          | 5.1               | 30                    | 70 130 |

FORM III VOA

3C  
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No GCU49463

LCS Spike - Client Id: CU51342 LCS Level:(low/med) Med

| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | SAMPLE<br>CONCENTRATION<br>ug/L | LCS<br>CONCENTRATION<br>ug/L | LCS<br>%<br>REC # | QC.<br>LIMITS<br>REC. |        |
|-----------------------------|------------------------|---------------------------------|------------------------------|-------------------|-----------------------|--------|
| p-Isopropyltoluene          | 10                     | 0.0                             | 12.46                        | 125               | 70                    | 130    |
| 1,3-Dichlorobenzene         | 10                     | 0.0                             | 11.25                        | 113               | 70                    | 130    |
| 1,4-Dichlorobenzene         | 10                     | 0.0                             | 11.10                        | 111               | 70                    | 130    |
| 2-Isopropyltoluene          | 10                     | 0.0                             | 12.13                        | 121               | 70                    | 130    |
| n-Butylbenzene              | 10                     | 0.0                             | 12.27                        | 123               | 70                    | 130    |
| 1,2-Dichlorobenzene         | 10                     | 0.0                             | 10.84                        | 108               | 70                    | 130    |
| 1,2-Dibromo-3-Chloropropane | 10                     | 0.0                             | 11.41                        | 114               | 70                    | 130    |
| Hexachlorobutadiene         | 10                     | 0.0                             | 10.87                        | 109               | 70                    | 130    |
| 1,2,4-Trichlorobenzene      | 10                     | 0.0                             | 11.80                        | 118               | 70                    | 130    |
| Naphthalene                 | 10                     | 0.0                             | 12.14                        | 121               | 70                    | 130    |
| 1,2,3-Trichlorobenzene      | 10                     | 0.0                             | 12.26                        | 123               | 70                    | 130    |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
| COMPOUND                    | SPIKE<br>ADDED<br>ug/L | LCSD<br>CONCENTRATION<br>ug/L   | LCSD<br>%<br>REC #           | %<br>RPD          | QC LIMITS             |        |
|                             |                        |                                 |                              |                   | RPD                   | REC.   |
| p-Isopropyltoluene          | 10                     | 11.90                           | 119                          | 4.9               | 30                    | 70 130 |
| 1,3-Dichlorobenzene         | 10                     | 10.62                           | 106                          | 6.4               | 30                    | 70 130 |
| 1,4-Dichlorobenzene         | 10                     | 10.60                           | 106                          | 4.6               | 30                    | 70 130 |
| 2-Isopropyltoluene          | 10                     | 11.61                           | 116                          | 4.2               | 30                    | 70 130 |
| n-Butylbenzene              | 10                     | 11.71                           | 117                          | 5.0               | 30                    | 70 130 |
| 1,2-Dichlorobenzene         | 10                     | 10.32                           | 103                          | 4.7               | 30                    | 70 130 |
| 1,2-Dibromo-3-Chloropropane | 10                     | 11.18                           | 112                          | 1.8               | 30                    | 70 130 |
| Hexachlorobutadiene         | 10                     | 10.55                           | 105                          | 3.7               | 30                    | 70 130 |
| 1,2,4-Trichlorobenzene      | 10                     | 11.29                           | 113                          | 4.3               | 30                    | 70 130 |
| Naphthalene                 | 10                     | 11.52                           | 115                          | 5.1               | 30                    | 70 130 |
| 1,2,3-Trichlorobenzene      | 10                     | 11.52                           | 115                          | 6.7               | 30                    | 70 130 |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |
|                             |                        |                                 |                              |                   |                       |        |

FORM III VOA

6B  
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: GCU49463

Instrument ID: CHEM17 Calibration Date(s): 10/15/25 10/15/25

Heated Purge (Y/N): N Calibration Time(s): 15:03 18:51

GC Column: \_\_\_\_\_ Method File: VT-101525.M

LAB FILE ID:

|         |           |        |           |       |           |        |           |
|---------|-----------|--------|-----------|-------|-----------|--------|-----------|
| RRF 0.5 | 1015_18.D | RRF 2  | 1015_19.D | RRF 4 | 1015_11.D | RRF 10 | 1015_12.D |
| RRF 20  | 1015_13.D | RRF 30 | 1015_14.D |       |           |        |           |

| COMPOUND                    | RRF 0.5 | RRF 2 | RRF 4 | RRF 10 | RRF 20 | RRF 30 |  |  | RRF   | % RSD  | % RSD LIMITS |
|-----------------------------|---------|-------|-------|--------|--------|--------|--|--|-------|--------|--------------|
| Dichlorodifluoromethane     | 0.662   | 0.678 | 0.831 | 0.795  | 0.735  | 0.643  |  |  | 0.724 | 10.5   | 20 (40)      |
| Chloromethane               | 0.768   | 0.676 | 0.775 | 0.734  | 0.667  | 0.594  |  |  | 0.702 | 9.9    | 20 (40)      |
| Vinyl Chloride              | 0.701   | 0.746 | 0.849 | 0.812  | 0.763  | 0.702  |  |  | 0.762 | 7.8    | 20 (30)      |
| Bromomethane                | 0.341   | 0.180 | 0.210 | 0.197  | 0.185  | 0.151  |  |  | 0.211 | 31.7 + | 20 (40)      |
| Chloroethane                | 0.347   | 0.329 | 0.357 | 0.324  | 0.284  | 0.254  |  |  | 0.316 | 12.5   | 20 (40)      |
| Trichlorofluoromethane      | 1.035   | 1.046 | 1.101 | 1.025  | 0.953  | 0.849  |  |  | 1.001 | 8.9    | 20 (40)      |
| 1,1-Dichloroethene          | 0.500   | 0.524 | 0.544 | 0.505  | 0.465  | 0.449  |  |  | 0.498 | 7.2    | 20 (30)      |
| Trichlorotrifluoroethane    | 0.384   | 0.420 | 0.426 | 0.388  | 0.362  | 0.335  |  |  | 0.386 | 9.0    | 20 (40)      |
| Carbon Disulfide            | 1.577   | 1.614 | 1.685 | 1.607  | 1.461  | 1.386  |  |  | 1.555 | 7.1    | 20 (40)      |
| Methylene Chloride          | 0.726   | 0.634 | 0.645 | 0.596  | 0.568  | 0.563  |  |  | 0.622 | 9.8    | 20 (40)      |
| Acetone                     |         | 0.235 | 0.157 | 0.148  | 0.139  | 0.172  |  |  | 0.170 | 22.5 + | 20 (40)      |
| Trans-1,2-Dichloroethene    | 0.555   | 0.553 | 0.595 | 0.554  | 0.527  | 0.524  |  |  | 0.551 | 4.6    | 20 (40)      |
| Methyl t-Butyl Ether (MTBE) | 1.479   | 1.557 | 1.572 | 1.506  | 1.515  | 1.589  |  |  | 1.536 | 2.8    | 20 (40)      |
| 1,1-Dichloroethane          | 1.101   | 1.162 | 1.187 | 1.139  | 1.074  | 1.077  |  |  | 1.123 | 4.1    | 20 (40)      |
| Acrylonitrile               | 0.220   | 0.219 | 0.188 | 0.194  | 0.190  | 0.219  |  |  | 0.205 | 7.7    | 20 (40)      |
| Cis-1,2-Dichloroethene      | 0.545   | 0.540 | 0.567 | 0.553  | 0.534  | 0.540  |  |  | 0.547 | 2.2    | 20 (40)      |
| 2,2-Dichloropropane         | 0.689   | 0.659 | 0.707 | 0.732  | 0.780  | 0.800  |  |  | 0.728 | 7.4    | 20 (40)      |
| Bromochloromethane          | 0.275   | 0.252 | 0.280 | 0.254  | 0.241  | 0.239  |  |  | 0.257 | 6.7    | 20 (40)      |
| Chloroform                  | 1.122   | 1.141 | 1.193 | 1.061  | 1.059  | 1.056  |  |  | 1.105 | 5.1    | 20 (30)      |
| Carbon Tetrachloride        | 0.743   | 0.729 | 0.816 | 0.785  | 0.747  | 0.728  |  |  | 0.758 | 4.6    | 20 (40)      |
| Tetrahydrofuran (THF)       | 0.147   | 0.116 | 0.116 | 0.110  | 0.106  | 0.140  |  |  | 0.122 | 13.7   | 20 (40)      |
| 1,1,1-Trichloroethane       | 0.890   | 0.954 | 0.986 | 0.927  | 0.907  | 0.869  |  |  | 0.922 | 4.7    | 20 (40)      |
| Methyl Ethyl Ketone         |         | 0.194 | 0.180 | 0.174  | 0.175  | 0.229  |  |  | 0.190 | 12.0   | 20 (40)      |
| 1,1-Dichloropropene         | 0.524   | 0.459 | 0.556 | 0.473  | 0.455  | 0.551  |  |  | 0.503 | 9.2    | 20 (40)      |
| Benzene                     | 1.481   | 1.247 | 1.532 | 1.295  | 1.238  | 1.539  |  |  | 1.388 | 10.4   | 20 (40)      |
| 1,2-Dichloroethane          | 0.666   | 0.537 | 0.653 | 0.537  | 0.519  | 0.650  |  |  | 0.594 | 11.7   | 20 (40)      |
| Trichloroethene             | 0.352   | 0.338 | 0.358 | 0.348  | 0.333  | 0.339  |  |  | 0.345 | 2.9    | 20 (40)      |
| Dibromomethane              | 0.288   | 0.238 | 0.281 | 0.236  | 0.241  | 0.323  |  |  | 0.268 | 13.1   | 20 (40)      |
| 1,2-dichloropropane         | 0.509   | 0.417 | 0.516 | 0.435  | 0.435  | 0.551  |  |  | 0.477 | 11.5   | 20 (30)      |
| Bromodichloromethane        | 0.556   | 0.481 | 0.597 | 0.511  | 0.514  | 0.671  |  |  | 0.555 | 12.6   | 20 (40)      |
| cis-1,3-Dichloropropene     | 0.508   | 0.470 | 0.581 | 0.571  | 0.614  | 0.814  |  |  | 0.593 | 20.3 + | 20 (40)      |
| Toluene                     | 0.929   | 0.799 | 0.965 | 0.843  | 0.850  | 1.082  |  |  | 0.911 | 11.4   | 20 (30)      |
| 4-Methyl-2-Pentanone        |         | 0.147 | 0.159 | 0.155  | 0.175  | 0.305  |  |  | 0.188 | 35.1 + | 20 (40)      |
| Tetrachloroethene           | 0.301   | 0.279 | 0.341 | 0.289  | 0.293  | 0.346  |  |  | 0.308 | 9.2    | 20 (40)      |
| trans-1,3-Dichloropropene   | 0.445   | 0.408 | 0.495 | 0.478  | 0.499  | 0.665  |  |  | 0.498 | 17.8   | 20 (40)      |
| 1,1,2-Trichloroethane       | 0.343   | 0.303 | 0.356 | 0.296  | 0.306  | 0.404  |  |  | 0.335 | 12.5   | 20 (40)      |
| Dibromochloromethane        | 0.365   | 0.418 | 0.421 | 0.419  | 0.413  | 0.438  |  |  | 0.412 | 6.0    | 20 (40)      |
| 1,3-Dichloropropane         | 0.702   | 0.802 | 0.810 | 0.763  | 0.705  | 0.719  |  |  | 0.750 | 6.5    | 20 (40)      |
| 1,2-Dibromoethane           | 0.405   | 0.446 | 0.421 | 0.402  | 0.387  | 0.416  |  |  | 0.413 | 4.9    | 20 (40)      |
| 2-Hexanone                  |         | 0.127 | 0.128 | 0.128  | 0.147  | 0.186  |  |  | 0.144 | 17.7   | 20 (40)      |
| Chlorobenzene               | 0.979   | 1.033 | 1.058 | 1.023  | 0.960  | 0.982  |  |  | 1.006 | 3.7    | 20 (40)      |
| Ethylbenzene                | 0.417   | 0.509 | 0.574 | 0.579  | 0.557  | 0.550  |  |  | 0.531 | 11.5   | 20 (30)      |
| 1,1,1,2-Tetrachloroethane   | 0.367   | 0.400 | 0.397 | 0.365  | 0.343  | 0.350  |  |  | 0.371 | 6.4    | 20 (40)      |
| m&p-Xylene                  | 0.461   | 0.600 | 0.655 | 0.644  | 0.629  | 0.628  |  |  | 0.603 | 11.9   | 20 (40)      |
| o-Xylene                    | 0.368   | 0.445 | 0.495 | 0.563  | 0.601  | 0.630  |  |  | 0.517 | 19.3   | 20 (40)      |
| Styrene                     | 0.477   | 0.608 | 0.733 | 0.810  | 0.823  | 0.882  |  |  | 0.722 | 21.2 + | 20 (40)      |
| Bromoform                   | 0.134   | 0.169 | 0.168 | 0.164  | 0.164  | 0.189  |  |  | 0.165 | 10.7   | 20 (40)      |
| Isopropylbenzene            | 0.560   | 0.665 | 0.745 | 0.848  | 0.969  | 1.046  |  |  | 0.806 | 22.9 + | 20 (40)      |

(\*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

## VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs                      Client: STERLING

Lab Code: Phoenix      Case No.:      SAS No.:      SDG No.: GCU49463

Instrument ID: CHEM17 Calibration Date(s): 10/15/25 10/15/25

|                     |   |                      |       |       |
|---------------------|---|----------------------|-------|-------|
| Heated Purge (Y/N): | N | Calibration Time(s): | 15:03 | 18:51 |
|---------------------|---|----------------------|-------|-------|

GC Column: Method File: VT-101525.M

LAB FILE ID:

|         |           |        |           |       |           |        |           |
|---------|-----------|--------|-----------|-------|-----------|--------|-----------|
| RRF 0.5 | 1015_18.D | RRF 2  | 1015_19.D | RRF 4 | 1015_11.D | RRF 10 | 1015_12.D |
| RRF 20  | 1015_13.D | RRF 30 | 1015_14.D |       |           |        |           |

[illegible]

(\*) Recommended RRF not met    (+) %D exceeds criteria %    (#) %D exceeds (maximum) %

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

FORM VI VOA

7A  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:                      SAS No.:                      SDG No.: GCU49463

Instrument: CHEM02 Calibration Date: 10/15/25 Time: 07:17

Lab File Id: 1015\_02.D Init. Calib. Date(s): 10/13/25 10/13/25

Heated Purge (Y/N): N Init. Calib. Times: 11:52 13:49

GC Column: RTX-VMS Method File: VT-101325.M

| COMPOUND                               | RRF    | RRF10  | RRF MIN | %D     | % D LIMITS |
|----------------------------------------|--------|--------|---------|--------|------------|
| Pentafluorobenzene (IS Area/Area%)     | 358008 | 373170 | n.a.    | 104.2  | 50-200     |
| 1,4-Difluorobenzene (IS Area/Area%)    | 574823 | 565662 | n.a.    | 98.4   | 50-200     |
| Chlorobenzene-d5 (IS Area/Area%)       | 470674 | 461239 | n.a.    | 98.0   | 50-200     |
| 1,4-Dichlorobenzene-d4 (IS Area/Area%) | 267842 | 260074 | n.a.    | 97.1   | 50-200     |
| 1,4-Dioxane d8 (IS Area/Area%)         | 31478  | 23893  | n.a.    | 75.9   | n.a.       |
| Dichlorodifluoromethane                | 0.651  | 0.450  | 0.010   | 30.9 + | 20 (60)    |
| Chloromethane                          | 0.851  | 0.729  | 0.010   | 14.3   | 20 (60)    |
| Vinyl Chloride                         | 0.748  | 0.628  | 0.010   | 16.0   | 20 (40)    |
| Bromomethane                           | 0.164  | 0.128  | 0.010   | 22.0 + | 20 (60)    |
| Chloroethane                           | 0.232  | 0.227  | 0.010   | 2.2    | 20 (40)    |
| Trichlorofluoromethane                 | 0.710  | 0.618  | 0.010   | 13.0   | 20 (40)    |
| 1,1-Dichloroethene                     | 0.410  | 0.381  | 0.060   | 7.1    | 20 (40)    |
| Trichlorotrifluoroethane               | 0.366  | 0.315  | 0.050   | 13.9   | 20 (40)    |
| Carbon Disulfide                       | 1.271  | 1.160  | 0.100   | 8.7    | 20 (40)    |
| Methylene Chloride                     | 0.469  | 0.450  | 0.010   | 4.1    | 20 (40)    |
| Acetone                                | 0.178  | 0.156  | 0.010   | 12.4   | 20 (60)    |
| Trans-1,2-Dichloroethene               | 0.460  | 0.450  | 0.100   | 2.2    | 20 (40)    |
| Methyl t-Butyl Ether (MTBE)            | 1.254  | 1.232  | 0.100   | 1.8    | 20 (40)    |
| 1,1-Dichloroethane                     | 0.940  | 0.935  | 0.300   | 0.5    | 20 (40)    |
| Acrylonitrile                          | 0.251  | 0.237  | 0.050   | 5.6    | 20 (40)    |
| Cis-1,2-Dichloroethene                 | 0.485  | 0.461  | 0.200   | 4.9    | 20 (40)    |
| 2,2-Dichloropropane                    | 0.666  | 0.637  | 0.050   | 4.4    | 20 (40)    |
| Bromochloromethane                     | 0.263  | 0.253  | 0.100   | 3.8    | 20 (40)    |
| Chloroform                             | 0.980  | 0.962  | 0.300   | 1.8    | 20 (40)    |
| Carbon Tetrachloride                   | 0.614  | 0.581  | 0.100   | 5.4    | 20 (40)    |
| Tetrahydrofuran (THF)                  | 0.217  | 0.204  | 0.050   | 6.0    | 20 (40)    |
| 1,1,1-Trichloroethane                  | 0.824  | 0.772  | 0.050   | 6.3    | 20 (40)    |
| Methyl Ethyl Ketone                    | 0.294  | 0.262  | 0.010   | 10.9   | 20 (60)    |
| 1,1-Dichloropropene                    | 0.458  | 0.446  | 0.050   | 2.6    | 20 (40)    |
| Benzene                                | 1.410  | 1.438  | 0.200   | -2.0   | 20 (40)    |
| 1,2-Dichloroethane                     | 0.481  | 0.488  | 0.070   | -1.5   | 20 (40)    |
| Trichloroethene                        | 0.380  | 0.377  | 0.200   | 0.8    | 20 (40)    |
| Dibromomethane                         | 0.200  | 0.202  | 0.050   | -1.0   | 20 (40)    |
| 1,2-dichloropropane                    | 0.409  | 0.421  | 0.200   | -2.9   | 20 (40)    |
| Bromodichloromethane                   | 0.391  | 0.429  | 0.300   | -9.7   | 20 (40)    |

(\* ) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors



7B  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:  SAS No.:  SDG No.: GCU49463

Instrument: CHEM02 Calibration Date: 10/15/25 Time: 07:17

Lab File Id: 1015\_02.D Init. Calib. Date(s): 10/13/25 10/13/25

Heated Purge (Y/N): N Init. Calib. Times: 11:52 13:49

GC Column: RTX-VMS Method File: VT-101325.M

| COMPOUND                    | RRF   | RRF10 | RRF MIN | %D    | % D LIMITS |
|-----------------------------|-------|-------|---------|-------|------------|
| cis-1,3-Dichloropropene     | 0.473 | 0.514 | 0.300   | -8.7  | 20 (40)    |
| Toluene                     | 0.933 | 0.956 | 0.300   | -2.5  | 20 (40)    |
| 4-Methyl-2-Pentanone        | 0.396 | 0.393 | 0.030   | 0.8   | 20 (60)    |
| Tetrachloroethene           | 0.325 | 0.307 | 0.100   | 5.5   | 20 (40)    |
| trans-1,3-Dichloropropene   | 0.408 | 0.446 | 0.300   | -9.3  | 20 (40)    |
| 1,1,2-Trichloroethane       | 0.314 | 0.322 | 0.200   | -2.5  | 20 (40)    |
| Dibromochloromethane        | 0.353 | 0.398 | 0.200   | -12.7 | 20 (40)    |
| 1,3-Dichloropropane         | 0.649 | 0.668 | 0.050   | -2.9  | 20 (40)    |
| 1,2-Dibromoethane           | 0.376 | 0.397 | 0.200   | -5.6  | 20 (40)    |
| 2-Hexanone                  | 0.318 | 0.302 | 0.010   | 5.0   | 20 (60)    |
| Chlorobenzene               | 1.226 | 1.293 | 0.400   | -5.5  | 20 (40)    |
| Ethylbenzene                | 0.675 | 0.723 | 0.400   | -7.1  | 20 (40)    |
| 1,1,1,2-Tetrachloroethane   | 0.367 | 0.399 | 0.050   | -8.7  | 20 (40)    |
| m&p-Xylene                  | 0.849 | 0.904 | 0.200   | -6.5  | 20 (40)    |
| o-Xylene                    | 0.785 | 0.836 | 0.200   | -6.5  | 20 (40)    |
| Styrene                     | 1.232 | 1.372 | 0.200   | -11.4 | 20 (40)    |
| Bromoform                   | 0.201 | 0.231 | 0.100   | -14.9 | 20 (40)    |
| Isopropylbenzene            | 1.049 | 1.062 | 0.400   | -1.2  | 20 (40)    |
| Bromobenzene                | 0.903 | 0.934 | 0.050   | -3.4  | 20 (40)    |
| n-Propylbenzene             | 1.142 | 1.184 | 0.050   | -3.7  | 20 (40)    |
| 1,1,2,2-Tetrachloroethane   | 0.913 | 0.931 | 0.200   | -2.0  | 20 (40)    |
| 2-Chlorotoluene             | 0.888 | 0.936 | 0.050   | -5.4  | 20 (40)    |
| 1,3,5-Trimethylbenzene      | 3.305 | 3.505 | 0.050   | -6.1  | 20 (40)    |
| 1,2,3-Trichloropropane      | 0.793 | 0.864 | 0.050   | -9.0  | 20 (40)    |
| trans-1,4-Dichloro-2-butene | 0.277 | 0.297 | 0.050   | -7.2  | 20 (40)    |
| 4-Chlorotoluene             | 0.956 | 1.005 | 0.050   | -5.1  | 20 (40)    |
| tert-Butylbenzene           | 2.911 | 2.992 | 0.050   | -2.8  | 20 (40)    |
| 1,2,4-Trimethylbenzene      | 3.281 | 3.506 | 0.050   | -6.9  | 20 (40)    |
| sec-Butylbenzene            | 4.597 | 4.644 | 0.050   | -1.0  | 20 (40)    |
| p-Isopropyltoluene          | 3.805 | 3.927 | 0.050   | -3.2  | 20 (40)    |
| 1,3-Dichlorobenzene         | 1.758 | 1.831 | 0.500   | -4.2  | 20 (40)    |
| 1,4-Dichlorobenzene         | 1.811 | 1.889 | 0.600   | -4.3  | 20 (40)    |
| 2-Isopropyltoluene          | 3.639 | 3.794 | 0.050   | -4.3  | 20 (40)    |
| n-Butylbenzene              | 3.471 | 3.571 | 0.050   | -2.9  | 20 (40)    |
| 1,2-Dichlorobenzene         | 1.685 | 1.723 | 0.600   | -2.3  | 20 (40)    |

(\*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

## 7B

|                     |                            |           |                          |          |                   |
|---------------------|----------------------------|-----------|--------------------------|----------|-------------------|
| Lab Name:           | Phoenix Environmental Labs |           | Client:                  | STERLING |                   |
| Lab Code:           | Phoenix                    | Case No.: |                          | SAS No.: | SDG No.: GCU49463 |
| Instrument:         | CHEM02                     |           | Calibration Date:        | 10/15/25 | Time: 07:17       |
| Lab File Id:        | 1015_02.D                  |           | Init. Calib. Date(s):    | 10/13/25 | 10/13/25          |
| Heated Purge (Y/N): | N                          |           | Init. Calib. Times:      | 11:52    | 13:49             |
| GC Column:          | RTX-VMS                    |           | Method File: VT-101325.M |          |                   |

[illegible]

(\*) Recommended RRF not met    (+) %D exceeds criteria    (#) %D exceeds (maximum) criteria  
 %D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D  
 (l) linear    (li) linear inv conc wgt    (li2) linear inv conc wgt^2    (q) quadratic    (qi) quadratic inv conc wgt    (qi2) quadratic inv conc wgt^2  
 Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7A  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:  SAS No.:  SDG No.: GCU49463

Instrument: CHEM17 Calibration Date: 10/14/25 Time: 18:15

Lab File Id: 1014\_02.D Init. Calib. Date(s): 10/01/25 10/02/25

Heated Purge (Y/N): N Init. Calib. Times: 23:04 01:28

GC Column: RTX-VMS Method File: VT-100125.M

| COMPOUND                               | RRF    | RRF10  | RRF MIN | %D     | % D LIMITS |
|----------------------------------------|--------|--------|---------|--------|------------|
| Pentafluorobenzene (IS Area/Area%)     | 366291 | 303795 | n.a.    | 82.9   | 50-200     |
| 1,4-Difluorobenzene (IS Area/Area%)    | 597855 | 510106 | n.a.    | 85.3   | 50-200     |
| Chlorobenzene-d5 (IS Area/Area%)       | 426310 | 374934 | n.a.    | 87.9   | 50-200     |
| 1,4-Dichlorobenzene-d4 (IS Area/Area%) | 163941 | 147160 | n.a.    | 89.8   | 50-200     |
| 1,4-Dioxane d8 (IS Area/Area%)         | 12407  | 12577  | n.a.    | 101.4  | n.a.       |
| Dichlorodifluoromethane                | 0.688  | 0.716  | 0.010   | -4.1   | 20 (60)    |
| Chloromethane                          | 0.713  | 0.674  | 0.010   | 5.5    | 20 (60)    |
| Vinyl Chloride                         | 0.720  | 0.763  | 0.010   | -6.0   | 20 (40)    |
| Bromomethane                           | 0.217  | 0.158  | 0.010   | 27.2 + | 20 (60)    |
| Chloroethane                           | 0.274  | 0.287  | 0.010   | -4.7   | 20 (40)    |
| Trichlorofluoromethane                 | 0.920  | 0.990  | 0.010   | -7.6   | 20 (40)    |
| 1,1-Dichloroethene                     | 0.461  | 0.492  | 0.060   | -6.7   | 20 (40)    |
| Trichlorotrifluoroethane               | 0.359  | 0.382  | 0.050   | -6.4   | 20 (40)    |
| Carbon Disulfide                       | 1.431  | 1.566  | 0.100   | -9.4   | 20 (40)    |
| Methylene Chloride                     | 0.571  | 0.592  | 0.010   | -3.7   | 20 (40)    |
| Acetone                                | 0.162  | 0.164  | 0.010   | -1.2   | 20 (60)    |
| Trans-1,2-Dichloroethene               | 0.511  | 0.542  | 0.100   | -6.1   | 20 (40)    |
| Methyl t-Butyl Ether (MTBE)            | 1.442  | 1.593  | 0.100   | -10.5  | 20 (40)    |
| 1,1-Dichloroethane                     | 1.056  | 1.153  | 0.300   | -9.2   | 20 (40)    |
| Acrylonitrile                          | 0.182  | 0.196  | 0.050   | -7.7   | 20 (40)    |
| Cis-1,2-Dichloroethene                 | 0.514  | 0.556  | 0.200   | -8.2   | 20 (40)    |
| 2,2-Dichloropropane                    | 0.711  | 0.796  | 0.050   | -12.0  | 20 (40)    |
| Bromochloromethane                     | 0.236  | 0.255  | 0.100   | -8.1   | 20 (40)    |
| Chloroform                             | 1.054  | 1.148  | 0.300   | -8.9   | 20 (40)    |
| Carbon Tetrachloride                   | 0.751  | 0.805  | 0.100   | -7.2   | 20 (40)    |
| Tetrahydrofuran (THF)                  | 0.109  | 0.117  | 0.050   | -7.3   | 20 (40)    |
| 1,1,1-Trichloroethane                  | 0.878  | 0.954  | 0.050   | -8.7   | 20 (40)    |
| Methyl Ethyl Ketone                    | 0.179  | 0.203  | 0.010   | -13.4  | 20 (60)    |
| 1,1-Dichloropropene                    | 0.447  | 0.464  | 0.050   | -3.8   | 20 (40)    |
| Benzene                                | 1.212  | 1.292  | 0.200   | -6.6   | 20 (40)    |
| 1,2-Dichloroethane                     | 0.565  | 0.587  | 0.070   | -3.9   | 20 (40)    |
| Trichloroethene                        | 0.330  | 0.341  | 0.200   | -3.3   | 20 (40)    |
| Dibromomethane                         | 0.228  | 0.239  | 0.050   | -4.8   | 20 (40)    |
| 1,2-dichloropropane                    | 0.410  | 0.428  | 0.200   | -4.4   | 20 (40)    |
| Bromodichloromethane                   | 0.491  | 0.532  | 0.300   | -8.4   | 20 (40)    |

(\*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:  SAS No.:  SDG No.: GCU49463

Instrument: CHEM17 Calibration Date: 10/14/25 Time: 18:15

Lab File Id: 1014\_02.D Init. Calib. Date(s): 10/01/25 10/02/25

Heated Purge (Y/N): N Init. Calib. Times: 23:04 01:28

GC Column: RTX-VMS Method File: VT-100125.M

| COMPOUND                    | RRF   | RRF10 | RRF MIN | %D      | % D LIMITS |
|-----------------------------|-------|-------|---------|---------|------------|
| cis-1,3-Dichloropropene     | 0.536 | 0.574 | 0.300   | -7.1    | 20 (40)    |
| Toluene                     | 0.791 | 0.838 | 0.300   | -5.9    | 20 (40)    |
| 4-Methyl-2-Pentanone        | 0.172 | 0.163 | 0.030   | 5.2     | 20 (60)    |
| Tetrachloroethene           | 0.270 | 0.284 | 0.100   | -5.2    | 20 (40)    |
| trans-1,3-Dichloropropene   | 0.437 | 0.507 | 0.300   | -16.0   | 20 (40)    |
| 1,1,2-Trichloroethane       | 0.288 | 0.302 | 0.200   | -4.9    | 20 (40)    |
| Dibromochloromethane        | 0.393 | 0.422 | 0.200   | -7.4    | 20 (40)    |
| 1,3-Dichloropropane         | 0.719 | 0.734 | 0.050   | -2.1    | 20 (40)    |
| 1,2-Dibromoethane           | 0.393 | 0.396 | 0.200   | -0.8    | 20 (40)    |
| 2-Hexanone                  | 0.138 | 0.129 | 0.010   | 6.5     | 20 (60)    |
| Chlorobenzene               | 0.952 | 0.979 | 0.400   | -2.8    | 20 (40)    |
| Ethylbenzene                | 0.517 | 0.555 | 0.400   | -7.4    | 20 (40)    |
| 1,1,1,2-Tetrachloroethane   | 0.353 | 0.358 | 0.050   | -1.4    | 20 (40)    |
| m&p-Xylene                  | 0.575 | 0.631 | 0.200   | -9.7    | 20 (40)    |
| o-Xylene                    | 0.510 | 0.550 | 0.200   | -7.8    | 20 (40)    |
| Styrene                     | 0.712 | 0.796 | 0.200   | -11.8   | 20 (40)    |
| Bromoform                   | 0.159 | 0.178 | 0.100   | -11.9   | 20 (40)    |
| Isopropylbenzene            | 0.791 | 0.866 | 0.400   | -9.5    | 20 (40)    |
| Bromobenzene                | 0.758 | 0.761 | 0.050   | -0.4    | 20 (40)    |
| n-Propylbenzene             | 0.747 | 0.791 | 0.050   | -5.9    | 20 (40)    |
| 1,1,2,2-Tetrachloroethane   | 0.841 | 0.833 | 0.200   | 1.0     | 20 (40)    |
| 2-Chlorotoluene             | 0.625 | 0.647 | 0.050   | -3.5    | 20 (40)    |
| 1,3,5-Trimethylbenzene      | 2.249 | 2.458 | 0.050   | -9.3    | 20 (40)    |
| 1,2,3-Trichloropropane      | 0.716 | 0.709 | 0.050   | 1.0     | 20 (40)    |
| trans-1,4-Dichloro-2-butene | 0.186 | 0.228 | 0.050   | -22.6 + | 20 (40)    |
| 4-Chlorotoluene             | 0.648 | 0.669 | 0.050   | -3.2    | 20 (40)    |
| tert-Butylbenzene           | 1.778 | 1.934 | 0.050   | -8.8    | 20 (40)    |
| 1,2,4-Trimethylbenzene      | 2.297 | 2.559 | 0.050   | -11.4   | 20 (40)    |
| sec-Butylbenzene            | 2.997 | 3.250 | 0.050   | -8.4    | 20 (40)    |
| p-Isopropyltoluene          | 2.301 | 2.547 | 0.050   | -10.7   | 20 (40)    |
| 1,3-Dichlorobenzene         | 1.383 | 1.367 | 0.500   | 1.2     | 20 (40)    |
| 1,4-Dichlorobenzene         | 1.409 | 1.395 | 0.600   | 1.0     | 20 (40)    |
| 2-Isopropyltoluene          | 2.310 | 2.467 | 0.050   | -6.8    | 20 (40)    |
| n-Butylbenzene              | 2.526 | 2.741 | 0.050   | -8.5    | 20 (40)    |
| 1,2-Dichlorobenzene         | 1.368 | 1.344 | 0.600   | 1.8     | 20 (40)    |

(\*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

## 7B

|                     |                            |           |                          |          |             |
|---------------------|----------------------------|-----------|--------------------------|----------|-------------|
| Lab Name:           | Phoenix Environmental Labs |           | Client:                  | STERLING |             |
| Lab Code:           | Phoenix                    | Case No.: | SAS No.:                 | SDG No.: | GCU49463    |
| Instrument:         | CHEM17                     |           | Calibration Date:        | 10/14/25 | Time: 18:15 |
| Lab File Id:        | 1014_02.D                  |           | Init. Calib. Date(s):    | 10/01/25 | 10/02/25    |
| Heated Purge (Y/N): | N                          |           | Init. Calib. Times:      | 23:04    | 01:28       |
| GC Column:          | RTX-VMS                    |           | Method File: VT-100125.M |          |             |

[illegible]

(\*) Recommended RRF not met    (+) %D exceeds criteria    (#) %D exceeds (maximum) criteria  
 %D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D  
 (l) linear    (li) linear inv conc wgt    (li2) linear inv conc wgt^2    (q) quadratic    (qi) quadratic inv conc wgt    (qi2) quadratic inv conc wgt^2  
 Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7A  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:  SAS No.:  SDG No.: GCU49463

Instrument: CHEM17 Calibration Date: 10/17/25 Time: 07:29

Lab File Id: 1016\_53.D Init. Calib. Date(s): 10/15/25 10/15/25

Heated Purge (Y/N): N Init. Calib. Times: 15:03 18:51

GC Column: RTX-VMS Method File: VT-101525.M

| COMPOUND                               | RRF    | RRF10  | RRF MIN | %D     | % D LIMITS |
|----------------------------------------|--------|--------|---------|--------|------------|
| Pentafluorobenzene (IS Area/Area%)     | 320387 | 305051 | n.a.    | 95.2   | 50-200     |
| 1,4-Difluorobenzene (IS Area/Area%)    | 530007 | 434892 | n.a.    | 82.1   | 50-200     |
| Chlorobenzene-d5 (IS Area/Area%)       | 371247 | 360661 | n.a.    | 97.1   | 50-200     |
| 1,4-Dichlorobenzene-d4 (IS Area/Area%) | 151174 | 140667 | n.a.    | 93.0   | 50-200     |
| 1,4-Dioxane d8 (IS Area/Area%)         | 8435   | 9904   | n.a.    | 117.4  | n.a.       |
| Dichlorodifluoromethane                | 0.724  | 0.753  | 0.010   | -4.0   | 20 (60)    |
| Chloromethane                          | 0.702  | 0.706  | 0.010   | -0.6   | 20 (60)    |
| Vinyl Chloride                         | 0.762  | 0.831  | 0.010   | -9.1   | 20 (40)    |
| Bromomethane                           | 0.211  | 0.154  | 0.010   | 27.0 + | 20 (60)    |
| Chloroethane                           | 0.316  | 0.310  | 0.010   | 1.9    | 20 (40)    |
| Trichlorofluoromethane                 | 1.001  | 0.996  | 0.010   | 0.5    | 20 (40)    |
| 1,1-Dichloroethene                     | 0.498  | 0.509  | 0.060   | -2.2   | 20 (40)    |
| Trichlorotrifluoroethane               | 0.386  | 0.360  | 0.050   | 6.7    | 20 (40)    |
| Carbon Disulfide                       | 1.555  | 1.600  | 0.100   | -2.9   | 20 (40)    |
| Methylene Chloride                     | 0.622  | 0.620  | 0.010   | 0.3    | 20 (40)    |
| Acetone                                | 0.170  | 0.180  | 0.010   | -5.9   | 20 (60)    |
| Trans-1,2-Dichloroethene               | 0.551  | 0.574  | 0.100   | -4.2   | 20 (40)    |
| Methyl t-Butyl Ether (MTBE)            | 1.536  | 1.599  | 0.100   | -4.1   | 20 (40)    |
| 1,1-Dichloroethane                     | 1.123  | 1.188  | 0.300   | -5.8   | 20 (40)    |
| Acrylonitrile                          | 0.205  | 0.216  | 0.050   | -5.4   | 20 (40)    |
| Cis-1,2-Dichloroethene                 | 0.547  | 0.571  | 0.200   | -4.4   | 20 (40)    |
| 2,2-Dichloropropane                    | 0.728  | 0.694  | 0.050   | 4.7    | 20 (40)    |
| Bromochloromethane                     | 0.257  | 0.262  | 0.100   | -1.9   | 20 (40)    |
| Chloroform                             | 1.105  | 1.153  | 0.300   | -4.3   | 20 (40)    |
| Carbon Tetrachloride                   | 0.758  | 0.794  | 0.100   | -4.7   | 20 (40)    |
| Tetrahydrofuran (THF)                  | 0.122  | 0.125  | 0.050   | -2.5   | 20 (40)    |
| 1,1,1-Trichloroethane                  | 0.922  | 0.958  | 0.050   | -3.9   | 20 (40)    |
| Methyl Ethyl Ketone                    | 0.190  | 0.214  | 0.010   | -12.6  | 20 (60)    |
| 1,1-Dichloropropene                    | 0.503  | 0.552  | 0.050   | -9.7   | 20 (40)    |
| Benzene                                | 1.388  | 1.564  | 0.200   | -12.7  | 20 (40)    |
| 1,2-Dichloroethane                     | 0.594  | 0.647  | 0.070   | -8.9   | 20 (40)    |
| Trichloroethene                        | 0.345  | 0.359  | 0.200   | -4.1   | 20 (40)    |
| Dibromomethane                         | 0.268  | 0.291  | 0.050   | -8.6   | 20 (40)    |
| 1,2-dichloropropane                    | 0.477  | 0.514  | 0.200   | -7.8   | 20 (40)    |
| Bromodichloromethane                   | 0.555  | 0.613  | 0.300   | -10.5  | 20 (40)    |

(\*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:  SAS No.:  SDG No.: GCU49463

Instrument: CHEM17 Calibration Date: 10/17/25 Time: 07:29

Lab File Id: 1016\_53.D Init. Calib. Date(s): 10/15/25 10/15/25

Heated Purge (Y/N): N Init. Calib. Times: 15:03 18:51

GC Column: RTX-VMS Method File: VT-101525.M

| COMPOUND                    | RRF   | RRF10 | RRF MIN | %D    | % D LIMITS |
|-----------------------------|-------|-------|---------|-------|------------|
| cis-1,3-Dichloropropene     | 0.593 | 0.636 | 0.300   | -7.3  | 20 (40)    |
| Toluene                     | 0.911 | 1.009 | 0.300   | -10.8 | 20 (40)    |
| 4-Methyl-2-Pentanone        | 0.188 | 0.198 | 0.030   | -5.3  | 20 (60)    |
| Tetrachloroethene           | 0.308 | 0.331 | 0.100   | -7.5  | 20 (40)    |
| trans-1,3-Dichloropropene   | 0.498 | 0.556 | 0.300   | -11.6 | 20 (40)    |
| 1,1,2-Trichloroethane       | 0.335 | 0.357 | 0.200   | -6.6  | 20 (40)    |
| Dibromochloromethane        | 0.412 | 0.425 | 0.200   | -3.2  | 20 (40)    |
| 1,3-Dichloropropane         | 0.750 | 0.756 | 0.050   | -0.8  | 20 (40)    |
| 1,2-Dibromoethane           | 0.413 | 0.418 | 0.200   | -1.2  | 20 (40)    |
| 2-Hexanone                  | 0.144 | 0.129 | 0.010   | 10.4  | 20 (60)    |
| Chlorobenzene               | 1.006 | 1.031 | 0.400   | -2.5  | 20 (40)    |
| Ethylbenzene                | 0.531 | 0.592 | 0.400   | -11.5 | 20 (40)    |
| 1,1,1,2-Tetrachloroethane   | 0.371 | 0.380 | 0.050   | -2.4  | 20 (40)    |
| m&p-Xylene                  | 0.603 | 0.677 | 0.200   | -12.3 | 20 (40)    |
| o-Xylene                    | 0.517 | 0.566 | 0.200   | -9.5  | 20 (40)    |
| Styrene                     | 0.722 | 0.832 | 0.200   | -15.2 | 20 (40)    |
| Bromoform                   | 0.165 | 0.170 | 0.100   | -3.0  | 20 (40)    |
| Isopropylbenzene            | 0.806 | 0.890 | 0.400   | -10.4 | 20 (40)    |
| Bromobenzene                | 0.777 | 0.815 | 0.050   | -4.9  | 20 (40)    |
| n-Propylbenzene             | 0.754 | 0.816 | 0.050   | -8.2  | 20 (40)    |
| 1,1,2,2-Tetrachloroethane   | 0.917 | 0.915 | 0.200   | 0.2   | 20 (40)    |
| 2-Chlorotoluene             | 0.643 | 0.676 | 0.050   | -5.1  | 20 (40)    |
| 1,3,5-Trimethylbenzene      | 2.298 | 2.561 | 0.050   | -11.4 | 20 (40)    |
| 1,2,3-Trichloropropane      | 0.779 | 0.763 | 0.050   | 2.1   | 20 (40)    |
| trans-1,4-Dichloro-2-butene | 0.205 | 0.211 | 0.050   | -2.9  | 20 (40)    |
| 4-Chlorotoluene             | 0.661 | 0.702 | 0.050   | -6.2  | 20 (40)    |
| tert-Butylbenzene           | 1.799 | 1.956 | 0.050   | -8.7  | 20 (40)    |
| 1,2,4-Trimethylbenzene      | 2.316 | 2.624 | 0.050   | -13.3 | 20 (40)    |
| sec-Butylbenzene            | 2.993 | 3.323 | 0.050   | -11.0 | 20 (40)    |
| p-Isopropyltoluene          | 2.320 | 2.544 | 0.050   | -9.7  | 20 (40)    |
| 1,3-Dichlorobenzene         | 1.411 | 1.433 | 0.500   | -1.6  | 20 (40)    |
| 1,4-Dichlorobenzene         | 1.439 | 1.438 | 0.600   | 0.1   | 20 (40)    |
| 2-Isopropyltoluene          | 2.330 | 2.518 | 0.050   | -8.1  | 20 (40)    |
| n-Butylbenzene              | 2.528 | 2.722 | 0.050   | -7.7  | 20 (40)    |
| 1,2-Dichlorobenzene         | 1.390 | 1.412 | 0.600   | -1.6  | 20 (40)    |

(\*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

## 7B

|                     |                            |           |                          |          |                   |
|---------------------|----------------------------|-----------|--------------------------|----------|-------------------|
| Lab Name:           | Phoenix Environmental Labs |           | Client:                  | STERLING |                   |
| Lab Code:           | Phoenix                    | Case No.: |                          | SAS No.: | SDG No.: GCU49463 |
| Instrument:         | CHEM17                     |           | Calibration Date:        | 10/17/25 | Time: 07:29       |
| Lab File Id:        | 1016_53.D                  |           | Init. Calib. Date(s):    | 10/15/25 | 10/15/25          |
| Heated Purge (Y/N): | N                          |           | Init. Calib. Times:      | 15:03    | 18:51             |
| GC Column:          | RTX-VMS                    |           | Method File: VT-101525.M |          |                   |

[illegible]

(\*) Recommended RRF not met    (+) %D exceeds criteria    (#) %D exceeds (maximum) criteria  
 %D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D  
 (l) linear    (li) linear inv conc wgt    (li2) linear inv conc wgt^2    (q) quadratic    (qi) quadratic inv conc wgt    (qi2) quadratic inv conc wgt^2  
 Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors



7A  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:                      SAS No.:                      SDG No.: GCU49463

Instrument: CHEM17 Calibration Date: 10/18/25 Time: 15:46

Lab File Id: 1018\_02.D Init. Calib. Date(s): 10/15/25 10/15/25

Heated Purge (Y/N): N Init. Calib. Times: 15:03 18:51

GC Column: RTX-VMS Method File: VT-101525.M

| COMPOUND                               | RRF    | RRF10  | RRF MIN | %D     | % D LIMITS |
|----------------------------------------|--------|--------|---------|--------|------------|
| Pentafluorobenzene (IS Area/Area%)     | 320387 | 314204 | n.a.    | 98.1   | 50-200     |
| 1,4-Difluorobenzene (IS Area/Area%)    | 530007 | 439330 | n.a.    | 82.9   | 50-200     |
| Chlorobenzene-d5 (IS Area/Area%)       | 371247 | 374777 | n.a.    | 101.0  | 50-200     |
| 1,4-Dichlorobenzene-d4 (IS Area/Area%) | 151174 | 148488 | n.a.    | 98.2   | 50-200     |
| 1,4-Dioxane d8 (IS Area/Area%)         | 8435   | 11424  | n.a.    | 135.4  | n.a.       |
| Dichlorodifluoromethane                | 0.724  | 0.654  | 0.010   | 9.7    | 20 (60)    |
| Chloromethane                          | 0.702  | 0.701  | 0.010   | 0.1    | 20 (60)    |
| Vinyl Chloride                         | 0.762  | 0.783  | 0.010   | -2.8   | 20 (40)    |
| Bromomethane                           | 0.211  | 0.151  | 0.010   | 28.4 + | 20 (60)    |
| Chloroethane                           | 0.316  | 0.295  | 0.010   | 6.6    | 20 (40)    |
| Trichlorofluoromethane                 | 1.001  | 1.011  | 0.010   | -1.0   | 20 (40)    |
| 1,1-Dichloroethene                     | 0.498  | 0.510  | 0.060   | -2.4   | 20 (40)    |
| Trichlorotrifluoroethane               | 0.386  | 0.408  | 0.050   | -5.7   | 20 (40)    |
| Carbon Disulfide                       | 1.555  | 1.588  | 0.100   | -2.1   | 20 (40)    |
| Methylene Chloride                     | 0.622  | 0.620  | 0.010   | 0.3    | 20 (40)    |
| Acetone                                | 0.170  | 0.171  | 0.010   | -0.6   | 20 (60)    |
| Trans-1,2-Dichloroethene               | 0.551  | 0.570  | 0.100   | -3.4   | 20 (40)    |
| Methyl t-Butyl Ether (MTBE)            | 1.536  | 1.581  | 0.100   | -2.9   | 20 (40)    |
| 1,1-Dichloroethane                     | 1.123  | 1.165  | 0.300   | -3.7   | 20 (40)    |
| Acrylonitrile                          | 0.205  | 0.215  | 0.050   | -4.9   | 20 (40)    |
| Cis-1,2-Dichloroethene                 | 0.547  | 0.579  | 0.200   | -5.9   | 20 (40)    |
| 2,2-Dichloropropane                    | 0.728  | 0.845  | 0.050   | -16.1  | 20 (40)    |
| Bromochloromethane                     | 0.257  | 0.258  | 0.100   | -0.4   | 20 (40)    |
| Chloroform                             | 1.105  | 1.168  | 0.300   | -5.7   | 20 (40)    |
| Carbon Tetrachloride                   | 0.758  | 0.801  | 0.100   | -5.7   | 20 (40)    |
| Tetrahydrofuran (THF)                  | 0.122  | 0.128  | 0.050   | -4.9   | 20 (40)    |
| 1,1,1-Trichloroethane                  | 0.922  | 0.987  | 0.050   | -7.0   | 20 (40)    |
| Methyl Ethyl Ketone                    | 0.190  | 0.211  | 0.010   | -11.1  | 20 (60)    |
| 1,1-Dichloropropene                    | 0.503  | 0.584  | 0.050   | -16.1  | 20 (40)    |
| Benzene                                | 1.388  | 1.609  | 0.200   | -15.9  | 20 (40)    |
| 1,2-Dichloroethane                     | 0.594  | 0.663  | 0.070   | -11.6  | 20 (40)    |
| Trichloroethene                        | 0.345  | 0.369  | 0.200   | -7.0   | 20 (40)    |
| Dibromomethane                         | 0.268  | 0.293  | 0.050   | -9.3   | 20 (40)    |
| 1,2-dichloropropane                    | 0.477  | 0.540  | 0.200   | -13.2  | 20 (40)    |
| Bromodichloromethane                   | 0.555  | 0.645  | 0.300   | -16.2  | 20 (40)    |

(\* ) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: STERLING

Lab Code: Phoenix Case No.:  SAS No.:  SDG No.: GCU49463

Instrument: CHEM17 Calibration Date: 10/18/25 Time: 15:46

Lab File Id: 1018\_02.D Init. Calib. Date(s): 10/15/25 10/15/25

Heated Purge (Y/N): N Init. Calib. Times: 15:03 18:51

GC Column: RTX-VMS Method File: VT-101525.M

| COMPOUND                    | RRF   | RRF10 | RRF MIN | %D      | % D LIMITS |
|-----------------------------|-------|-------|---------|---------|------------|
| cis-1,3-Dichloropropene     | 0.593 | 0.715 | 0.300   | -20.6 + | 20 (40)    |
| Toluene                     | 0.911 | 1.056 | 0.300   | -15.9   | 20 (40)    |
| 4-Methyl-2-Pentanone        | 0.188 | 0.220 | 0.030   | -17.0   | 20 (60)    |
| Tetrachloroethene           | 0.308 | 0.365 | 0.100   | -18.5   | 20 (40)    |
| trans-1,3-Dichloropropene   | 0.498 | 0.606 | 0.300   | -21.7 + | 20 (40)    |
| 1,1,2-Trichloroethane       | 0.335 | 0.384 | 0.200   | -14.6   | 20 (40)    |
| Dibromochloromethane        | 0.412 | 0.432 | 0.200   | -4.9    | 20 (40)    |
| 1,3-Dichloropropane         | 0.750 | 0.787 | 0.050   | -4.9    | 20 (40)    |
| 1,2-Dibromoethane           | 0.413 | 0.429 | 0.200   | -3.9    | 20 (40)    |
| 2-Hexanone                  | 0.144 | 0.144 | 0.010   | 0.0     | 20 (60)    |
| Chlorobenzene               | 1.006 | 1.055 | 0.400   | -4.9    | 20 (40)    |
| Ethylbenzene                | 0.531 | 0.604 | 0.400   | -13.7   | 20 (40)    |
| 1,1,1,2-Tetrachloroethane   | 0.371 | 0.379 | 0.050   | -2.2    | 20 (40)    |
| m&p-Xylene                  | 0.603 | 0.691 | 0.200   | -14.6   | 20 (40)    |
| o-Xylene                    | 0.517 | 0.607 | 0.200   | -17.4   | 20 (40)    |
| Styrene                     | 0.722 | 0.874 | 0.200   | -21.1 + | 20 (40)    |
| Bromoform                   | 0.165 | 0.181 | 0.100   | -9.7    | 20 (40)    |
| Isopropylbenzene            | 0.806 | 0.927 | 0.400   | -15.0   | 20 (40)    |
| Bromobenzene                | 0.777 | 0.823 | 0.050   | -5.9    | 20 (40)    |
| n-Propylbenzene             | 0.754 | 0.843 | 0.050   | -11.8   | 20 (40)    |
| 1,1,2,2-Tetrachloroethane   | 0.917 | 0.912 | 0.200   | 0.5     | 20 (40)    |
| 2-Chlorotoluene             | 0.643 | 0.711 | 0.050   | -10.6   | 20 (40)    |
| 1,3,5-Trimethylbenzene      | 2.298 | 2.630 | 0.050   | -14.4   | 20 (40)    |
| 1,2,3-Trichloropropane      | 0.779 | 0.772 | 0.050   | 0.9     | 20 (40)    |
| trans-1,4-Dichloro-2-butene | 0.205 | 0.217 | 0.050   | -5.9    | 20 (40)    |
| 4-Chlorotoluene             | 0.661 | 0.707 | 0.050   | -7.0    | 20 (40)    |
| tert-Butylbenzene           | 1.799 | 2.066 | 0.050   | -14.8   | 20 (40)    |
| 1,2,4-Trimethylbenzene      | 2.316 | 2.678 | 0.050   | -15.6   | 20 (40)    |
| sec-Butylbenzene            | 2.993 | 3.460 | 0.050   | -15.6   | 20 (40)    |
| p-Isopropyltoluene          | 2.320 | 2.706 | 0.050   | -16.6   | 20 (40)    |
| 1,3-Dichlorobenzene         | 1.411 | 1.437 | 0.500   | -1.8    | 20 (40)    |
| 1,4-Dichlorobenzene         | 1.439 | 1.475 | 0.600   | -2.5    | 20 (40)    |
| 2-Isopropyltoluene          | 2.330 | 2.618 | 0.050   | -12.4   | 20 (40)    |
| n-Butylbenzene              | 2.528 | 2.935 | 0.050   | -16.1   | 20 (40)    |
| 1,2-Dichlorobenzene         | 1.390 | 1.397 | 0.600   | -0.5    | 20 (40)    |

(\*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

## 7B

|                     |                            |           |                          |          |          |       |
|---------------------|----------------------------|-----------|--------------------------|----------|----------|-------|
| Lab Name:           | Phoenix Environmental Labs |           | Client:                  | STERLING |          |       |
| Lab Code:           | Phoenix                    | Case No.: |                          | SAS No.: |          |       |
|                     |                            |           |                          | SDG No.: | GCU49463 |       |
| Instrument:         | CHEM17                     |           | Calibration Date:        | 10/18/25 | Time:    | 15:46 |
| Lab File Id:        | 1018_02.D                  |           | Init. Calib. Date(s):    | 10/15/25 | 10/15/25 |       |
| Heated Purge (Y/N): | N                          |           | Init. Calib. Times:      | 15:03    | 18:51    |       |
| GC Column:          | RTX-VMS                    |           | Method File: VT-101525.M |          |          |       |

[illegible]

(\*) Recommended RRF not met    (+) %D exceeds criteria    (#) %D exceeds (maximum) criteria  
 %D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D  
 (l) linear    (li) linear inv conc wgt    (li2) linear inv conc wgt^2    (q) quadratic    (qi) quadratic inv conc wgt    (qi2) quadratic inv conc wgt^2  
 Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

# Field Duplicate Calculation Section

## Volatiles

### Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. GCU49463

S1= GZ-21D

S2= DUP10132025

| <u>Analyte</u>           | <u>S1</u> | <u>S2</u> | <u>RPD (%)</u> |
|--------------------------|-----------|-----------|----------------|
| 1,2-Dichloroethane       | 51        | 49        | 4%             |
| trans-1,2-Dichloroethene | 1.3       | 1.1       | 17%            |
| cis-1,2-Dichloroethene   | 76        | 76        | 0%             |

\* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

**Bold numbers were values that are below the CRQL or above the high standard.**

ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.