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**Post-Closure Groundwater Monitoring Semiannual Report 2025**

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# **COLDWATER ROAD LANDFILL - MID 005 356 860 POST-CLOSURE GROUNDWATER MONITORING REPORT**



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# **COLDWATER ROAD LANDFILL - MID 005 356 860 POST-CLOSURE GROUNDWATER MONITORING REPORT**

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## 1. INTRODUCTION

On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, Ramboll Americas Engineering Solutions, Inc. (Ramboll) has prepared this report to present the results of the semiannual groundwater sampling event conducted in June 2025 in accordance with the recently updated and approved 2024 Post-Closure Care Plan (PCCP) (**Figure 1**).

## 2. SAMPLING AND ANALYSIS

During this event groundwater samples were collected from six monitoring wells screened in perched zone (B-7, B-9, B-18A, B-19AR, B-24R, and B-28) and six monitoring wells screened in the drift unit (B-20D, B-21D, B-22D, B-23DR, B-27D, and OBG MW-16D). Samples were collected during the week of June 2, 2025.

The groundwater samples were analyzed for specific conductivity (Method 120.1), chloride (Method 300.0), cyanide (CN, Method 335.4), sulfate (Method 300.0), phenols (Method 420.1), total organic carbon (TOC, Method 5310C), total organic halides (TOX, Method 9020B), volatile organic compounds (VOCs, Method 8260C), dissolved metals (chromium [Cr], copper [Cu], nickel [Ni], zinc [Zn], iron [Fe], manganese [Mn]), and total sodium ([Na], Method 200.8).

The event also included field measurements for pH, specific conductivity, dissolved oxygen, oxidation reduction potential, temperature, and turbidity. Groundwater samples from the perched zone were collected using a peristaltic pump (B-7, B-9, B-24R, and B-28) or Whale pump (B-18A & B-19AR). The wells were purged "dry", allowed to recharge, and the samples were collected as soon as sufficient water was present to obtain the necessary sample volume. This was done in accordance with Ramboll procedures and the site-specific Field Method Guide (**Appendix A**) because low-flow sampling techniques resulted in greater than 0.3 ft of drawdown in each of the perched zone wells sampled during this event. Monitoring well B-28 sample was collected during purging after more than three well volumes were purged.

Groundwater samples from the drift unit were collected using a bladder pump and low-flow sampling techniques. Samples to be analyzed for dissolved metals were field filtered. Groundwater sampling logs are included in **Appendix B**.

Well gauging was conducted on June 2, 2025, and sampling occurred between June 3, 2025, and June 6, 2025. The results are presented in three separate tables: **Table 1** - Depth to Groundwater Levels in Monitoring Wells; **Table 2** - Post-Closure Monitoring - Historical Analytical Results (Physical Parameters, TOC, TOX, and Metals); and **Table 3** - Post-Closure Monitoring - Analytical Results (Volatile Organics). Laboratory analytical reports are included in **Appendix C**.

A Site location map (**Figure 1**) and monitoring well location (*i.e.*, Site layout) map (**Figure 2**) are also included. A groundwater elevation contour map was prepared for the perched zone (**Figure 3**) and a potentiometric surface contour map was prepared for the deeper drift unit (**Figure 4**). Additional site monitoring wells (not part of the landfill monitoring program) were used to aid in the creation of the contour maps. When reviewing the groundwater elevation contour map for the perched zone please keep in mind that groundwater in the perched zone includes discontinuous perched saturated zones within an otherwise clayey matrix.

Based on these contours, the groundwater flow direction in the perched zone appears to continue to be predominantly toward the northwest but turning toward the west in the westward extension of the Site. The perched zone static water elevations were generally higher compared to the previous gauging event (November 2024), yet consistent with historical data.

The drift unit static water elevations were consistent with historical data and the previous gauging event (November 2024). Groundwater in the drift unit flows in a southerly direction.

Review of the analytical data presented in the attached tables indicates analytical results similar to previous sampling events, a summary of the data is provided below:

- Chromium concentrations were not detected above the reporting limit of 5 µg/l. The results were within the range of the historical results, which ranged from below the reporting limit to 37 µg/l at B-9 (8/31/1995).
- Copper concentrations were not detected above the reporting limit of 5 µg/l. The results were within the range of the historical results, which ranged from below the reporting limit to 203 µg/l at OBG MW-16D (6/25/2009).
- Nickel concentrations were not detected above the reporting limit of 5 µg/l. The results were within the range of the historical results, which ranged from below the reporting limit to 370 µg/l at B-22D (6/21/1995).
- Zinc concentrations ranged from below the reporting limit of 5 µg/l in monitoring wells B-9, B-19AR, B-20D, B-21D, B-22D, B-23DR, B-28D, and OBG MW-16D to 24 µg/l in monitoring well B-27D. The results were within the range of the historical results, which ranged from below the reporting limit to 150 µg/l at B-18A (6/21/1995).
- Iron concentrations ranged from below the reporting limit of 20 µg/l in monitoring well B-7 to 2,160 µg/l in monitoring well OBG-MW-16D. The results were within the range of historical results, which ranged from below the reporting limit to 10,600 µg/l at B-24R (6/7/2005).
- Manganese concentrations ranged from below the reporting limit of 5 µg/l in monitoring wells B-7 and B-19AR to 165 µg/l in monitoring well B-9. The results were within the range of historical results, which ranged from below the reporting limit to 1,900 µg/l at B-9 (6/5/2007).
- Sodium concentrations ranged from 11,400 µg/l in monitoring well B-28 to 62,900 µg/l in monitoring well B-24R. The results were within the range of the historical results, which ranged from 7,280 µg/l in monitoring well OBG MW-16D (6/25/2014) to 114,000 µg/l at B-19AR (12/9/2004).
- TOC concentrations ranged from 1.1 mg/l in monitoring wells B-21D, B-23DR, and B-27D to 4.2 mg/l in monitoring well B-7. The results were within the range of the historical results, which ranged from below the reporting limit to 71 mg/l at B-9 (11/13/1996).
- TOX concentrations ranged from below the reporting limit of 10 µg/l in monitoring well B-9, B-18A, B-19AR, B-20D, B-21D, B-22D, B-23DR, B-27D, and OBG MW-16D to 12.8 µg/l in monitoring well B-7. One sample (MW-DUP-1-20250606 (B-18A)) had an estimated value less than the reporting limit, but greater than the method detection limit and was qualified with a "J" value. The results were within the range of the historical results, which ranged from below the reporting limit to 230 µg/l at B-7 (11/30/2016).
- pH concentrations ranged from 6.82 in monitoring well B-9 to 7.52 in monitoring wells OBG MW-16D. The results were within the range of the historical results, which ranged from 4.60 in monitoring well B-7 (11/5/1998) to 9.73 in monitoring well B-18A (12/8/2005).
- Specific conductivity ranged from 650 µs/cm in monitoring well B-27D to 1,935 µs/cm in monitoring well B-9. The results were within the range of the historical results, which ranged from 405 µs/cm in monitoring well OBG MW-16D (11/5/1999) to 3,290 µs/cm in monitoring

well B- 9 (11/20/2008).

- Chloride concentrations ranged from below the reporting limit of 10 mg/l in monitoring wells B-20D, B-21D, B-22D, B-27D, and OBG MW-16D to 96 mg/l in monitoring well B-19AR. The results were within the range of the historical results, which ranged from below the reporting limit to 163 mg/l at B-24R (12/23/1998).
- Cyanide concentrations ranged from below the reporting limit of 0.004 mg/l, except for being detected at the reporting limit in monitoring wells B-19AR and OBG MW-16D. Historically cyanide has been non-detect in the monitoring wells.
- Phenols were not detected above the reporting limit of 0.02 mg/l in the monitoring wells sampled during the June 2025 sampling event, which is consistent with historical results of being non-detect.
- Sulfate concentrations ranged from 15.6 mg/l in monitoring well B-27D to 632 mg/l in monitoring well B-9. The results were within the range of the historical results, which ranged from 14 mg/l in monitoring well B-27D (6/11/2021) to 1,350 mg/l in monitoring well B-9 (12/9/2004).
- VOC concentrations were not detected above the respective reporting limits in the monitoring wells sampled during the June 2025 sampling event, which is consistent with historical results of being non-detect or having one or two parameters slightly above the reporting limit. Chloroform was detected at 2 µg/l in Trip Blank-20250603.

### 3. SUMMARY

The TOX result in monitoring well B-19AR was below the reporting limit of 10 µg/l for this event and returned to a more normal level compared to the previous two sample results. For reference, the previous sampling conducted in November 2024 showed a concentration of 340 µg/l, which led to collecting a resample on March 7, 2025, showing a concentration of 106 µg/l.

Additionally, VOCs were not detected in the sample collected from B-19AR this event. The per- and polyfluoroalkyl substances (PFAS) sample collected per EGLE's request was non-detect, except for detections of 1.0 ng/l for perfluorooctanoic acid (PFOA), 1.1 ng/l for perfluorooctane sulfonic acid (PFOS), and 3.2 ng/l for perfluoro-4-ethylcyclohexanesulfonate (PFECBS). Further detail regarding the PFAS results will be provided in the Annual 2025 PFAS Sampling Report.

The previous elevated TOX results seem to be anomalous and not an indication of a release from the landfill. The TOX results from B-19AR from future sampling events will be looked at closely.

Cyanide results from future sampling events will be closely examined, as the cyanide detections from this event appear to be anomalous. Historically, cyanide has typically not been detected in the monitoring wells, landfill leachate, or vault water, where it is analyzed as part of the quarterly periodic report on continued compliance in accordance with the discharge permit for the treated leachate. Since 2011, the following cyanide detections have been recorded from the accumulation tank: amenable cyanide was detected during the 1st quarter of 2011 at 0.016 mg/l, during the 2nd quarter of 2011 at 0.010 mg/l, and during the 3rd quarter of 2011 at 0.010 mg/l. Available cyanide was detected at or below the reporting limit of 0.004 mg/l during the 1st quarter of 2023 at 0.004 mg/l and during the 3rd quarter at 0.002 mg/l.

The data verification indicates that the overall usability of the groundwater monitoring data is acceptable for the intended use without further qualification or rejection of the data. Details of the data verification results for the groundwater monitoring data are included in **Appendix D**.

The relative percent difference (RPD) for the duplicate sample results for B-18A and MW-DUP-20250606 (B-18A) were within acceptable limits, except for iron. The concentration of iron in B-18A was 30 µg/l and was 70 µg/l in the duplicate sample. Therefore, the sample results for iron in B-18A and MW-DUP-20250606 (B-18A) should be considered as estimated (J).

There were no exceedances of the Shewhart control limits during this sampling event. The Shewhart control charts are included as **Appendix E**.

There was a significant positive (increasing) trend for pH in monitoring wells B-23DR and B-27D this monitoring event. The pH levels were 7.28 and 7.43, respectively, and are consistent with historical results. In monitoring well B-27D there was a confirmed spike for zinc and there was a confirmed spike at monitoring well B-21D for specific conductivity. There were no other confirmed spikes at B-21D and B-27D during this sampling event; therefore, further evaluation of the spike was not required, per the 2024 PCCP. The trends were calculated using regression analysis over the last four sampling events per the 2024 PCCP.

The trends and spikes do not suggest there was a release from the landfill because concentrations of other metals/parameters were consistent with previous results and do not support that a release

has occurred, including data from the landfill sumps and vaults. The trends will continue to be evaluated during future sampling events. No other trends or spikes were observed during this monitoring event, and trends and spikes will continue to be monitored during future sampling events.

The next sampling event (annual event) is currently scheduled for November 2025. If you have any questions, please feel free to contact Clifford Yantz at (313) 333-0211.

**Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

On Behalf of RACER Trust



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Clifford S. Yantz  
Managing Hydrogeologist – Ramboll Americas Engineering Solutions, Inc.  
Agent for RACER Trust

Date: August 29, 2025

cc: file

## **TABLES**

**TABLE 1**  
**RACER Trust - Coldwater Road**  
**Depth to Groundwater Levels in Monitoring Wells**

June 2, 2025

| Well ID                                 | Top of Casing Elevation (ft)* | Depth to Water (ft) | Static Water Elevation (ft) |
|---|-------------------------------|---------------------|-----------------------------|
| <b>Landfill Monitoring Wells</b>        |                               |                     |                             |
| B-7                                     | 813.67                        | 16.51               | 797.16                      |
| B-9                                     | 807.37                        | 3.90                | 803.47                      |
| B-18A                                   | 810.99                        | 20.33               | 790.66                      |
| B-19A                                   | 812.66                        | 7.07                | 805.59                      |
| B-19AR                                  | 811.78                        | 38.21               | 773.57                      |
| B-20D                                   | 815.13                        | 68.38               | 746.75                      |
| B-21D                                   | 821.01                        | 79.00               | 742.01                      |
| B-22D                                   | 822.16                        | 83.42               | 738.74                      |
| B-23DR                                  | 812.09                        | 80.07               | 732.02                      |
| B-24R                                   | 816.09                        | 13.11               | 802.98                      |
| B-27D                                   | 812.62                        | 74.72               | 737.90                      |
| B-28                                    | 816.33                        | 4.38                | 811.95                      |
| OBG MW-16D                              | 807.42                        | 56.35               | 751.07                      |
| <b>former WWTP Monitoring Wells</b>     |                               |                     |                             |
| OBG MW-1                                | 811.56                        | 5.15                | 806.41                      |
| OBG MW-2                                | 813.77                        | 7.20                | 806.57                      |
| OBG MW-3                                | 810.09                        | 4.52                | 805.57                      |
| OBG MW-4                                | 812.66                        | 5.70                | 806.96                      |
| OBG MW-5                                | 816.04                        | 7.32                | 808.72                      |
| OBG MW-6                                | 815.75                        | 10.55               | 805.20                      |
| OBG MW-7                                | 813.47                        | 7.20                | 806.27                      |
| OBG MW-8                                | 817.50                        | 8.50                | 809.00                      |
| OBG MW-9                                | 809.97                        | 3.95                | 806.02                      |
| OBG MW-10                               | 811.54                        | --                  | --                          |
| <b>Additional Site Monitoring Wells</b> |                               |                     |                             |
| OBG MW-11                               | 801.94                        | 4.65                | 797.29                      |
| OBG MW-12D                              | 797.13                        | 45.64               | 751.49                      |
| OBG MW-12S                              | 796.88                        | 7.47                | 789.41                      |
| OBG MW-13                               | 801.81                        | 5.44                | 796.37                      |
| OBG MW-14                               | 810.98                        | 6.30                | 804.68                      |
| OBG MW-15D                              | 810.68                        | 78.88               | 731.80                      |
| OBG MW-17D                              | 800.09                        | 48.75               | 751.34                      |
| OBG MW-17S                              | 800.51                        | 9.71                | 790.80                      |
| OBG MW-18D                              | 800.17                        | 48.70               | 751.47                      |
| OBG MW-18S                              | 799.32                        | 12.56               | 786.76                      |
| OBG MW-19D                              | 795.37                        | 46.10               | 749.27                      |
| OBG MW-20                               | 783.93                        | 28.21               | 755.72                      |
| OBG MW-21                               | 797.49                        | 4.74                | 792.75                      |
| OBG MW-22                               | 794.11                        | 3.90                | 790.21                      |
| OBG MW-23 (D)                           | 776.76                        | 26.88               | 749.88                      |
| OBG MW-24                               | 781.50                        | 4.49                | 777.01                      |
| OBG MW-25R                              | 786.61                        | 5.17                | 781.44                      |
| OBG MW-26R                              | 772.38                        | 4.21                | 768.17                      |
| OBG MW-27R (D)                          | 772.46                        | 22.39               | 750.07                      |
| OBG MW-28                               | 800.35                        | 11.45               | 788.90                      |
| OBG MW-29 (D)                           | 773.28                        | 23.82               | 749.46                      |
| <b>Piezometers</b>                      |                               |                     |                             |
| PZ-3R                                   | 788.37                        | 6.70                | 781.67                      |
| <b>Peregrine Site Wells</b>             |                               |                     |                             |
| MW-19-13                                | 807.85                        | 2.56                | 805.29                      |
| MW-20-13                                | 810.81                        | 4.90                | 805.91                      |
| MW-15-10                                | 808.15                        | 76.28               | 731.87                      |
| MW-16-10                                | 798.64                        | 68.59               | 730.05                      |
| PFW-1                                   | 809.51                        | 77.10               | 732.41                      |

**Notes**

Casing elevations were provided by Norwy & Hale Surveyors and are in feet relative to National Geodetic -- No data.

R - Indicates a replacement well location.

Monitoring wells OBG MW-25, PZ-2, and PZ-3 were abandon on July 7, 2020 as part of the onsite berm construction. OBG MW-25 and PZ-3 were replaced in December 2022.

Monitoring wells OBG MW-26, and OBG MW-27 were abandon and replaced in October 2023.

OBG MW-10 found to be damaged in June 2025

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date | Indicator Parameters                             |             |            |             |              | Dissolved Metals (µg/L) |              |              |              |           |               |                 | Inorganics (mg/L) |                 |             |         |
|-----------------|-------------|--|-------------|------------|-------------|--------------|-------------------------|--------------|--------------|--------------|-----------|---------------|-----------------|-------------------|-----------------|-------------|---------|
|                 |             | TOC (mg/L)                                       | TOX (µg/L)  | pH         | SpC         | Temp         | Cr                      | Cu           | Ni           | Zn           | Fe        | Mn            | Na              | Chloride          | Cyanide         | Phenols     | Sulfate |
|                 |             | EGLE Residential Drinking Water Criteria & RBSLs |             |            |             |              | 100 (A)                 | 1,000 (E)    | 100 (A)      | 2,400        |           |               |                 |                   |                 |             |         |
| B-2D            | 6/21/1995   | 5.3  | <10         | 9.01       | 434         | 15.0         | <20                     | <20          | <30          | <20          | --        | --            | --              | --                | --              | --          | --      |
|                 | 8/31/1995   | 6.3  | 130         | 8.27       | 479         | 14.4         | <20                     | <20          | <40          | <20          | --        | --            | --              | --                | --              | --          | --      |
|                 | 2/9/1996    | --   | --          | --         | --          | --           | --                      | --           | --           | --           | --        | --            | --              | --                | --              | --          | --      |
|                 | 6/19/1996   | 5.2  | <100        | 7.52       | 580         | 12.4         | <20                     | <20          | <20          | <20          | --        | --            | --              | --                | --              | --          | --      |
|                 | 8/21/1996   | 7.4  | <5          | 7.69       | 641         | 13.9         | <20                     | <20          | <20          | 50           | --        | --            | --              | --                | --              | --          | --      |
|                 | 11/13/1996  | 11.0   | <5          | 7.26       | 769         | 7.6          | <20                     | <20          | <20          | 30           | --        | --            | --              | --                | --              | --          | --      |
|                 | 5/6/1997    | 26.0   | <100        | 6.30       | 1500        | 7.0          | 10                      | <10          | 28           | 30           | --        | --            | --              | --                | --              | --          | 79      |
|                 | 11/6/1997   | 15.0   | <100        | 6.90       | 660         | 9.0          | <10                     | <10          | 39           | <10          | 280       | 577           | --              | 12                | <0.005          | <0.020      | 79      |
|                 | 5/4/1998    | 29.0   | 12          | 6.68       | 549         | 12.4         | <10                     | <10          | <5           | <10          | --        | --            | --              | --                | --              | --          | --      |
|                 | 11/5/1998   | 52.0   | 18          | 4.70       | 498         | 8.6          | <10                     | <10          | <5           | 10           | <10       | 17            | 33,600          | --                | --              | --          | --      |
|                 | 12/23/1998  | --   | --          | --         | --          | --           | --                      | --           | --           | --           | --        | --            | --              | 13                | <0.005          | <0.020      | 40      |
|                 | 4/26/1999   | 52.0   | <100        | 8.50       | 523         | 14.5         | <10                     | <10          | <5           | <10          | --        | --            | --              | --                | --              | --          | --      |
|                 | 11/5/1999   | 6.4  | <100        | 7.40       | 405         | 12.8         | <10                     | <10          | <5           | 40           | 70        | 21            | 35,100          | 4                 | <0.005          | <0.020      | 42      |
|                 | 4/26/2000   | 5.4  | <100        | 7.96       | 770         | 17.4         | <10                     | <10          | <5           | <10          | --        | --            | --              | --                | --              | --          | --      |
|                 | 12/8/2000   | 5.5  | <10         | 6.68       | 610         | 9.7          | <10                     | <10          | 9            | <10          | 40        | --            | 22,900          | 7                 | <0.005          | <0.020      | 81      |
|                 | 5/15/2001   | 5.5  | <100        | 7.79       | 890         | 13.2         | <10                     | <10          | <5           | <10          | --        | --            | --              | --                | --              | --          | --      |
|                 | 10/18/2001  | 4.1  | <100        | 7.43       | 1830        | 9.4          | <10                     | <10          | <5           | <10          | 230       | --            | 12,900          | 2                 | <0.005          | <0.020      | 32      |
|                 | 10/18/2001  | 3.6  | <100        | 7.39       | 1780        | 7.8          | <10                     | <10          | <5           | <10          | 210       | --            | 12,700          | 1                 | <0.005          | <0.020      | 32      |
|                 | 5/16/2002   | 4.0  | <100        | 7.19       | 1000        | 11.6         | <10                     | <10          | <5           | <10          | --        | --            | --              | --                | --              | --          | --      |
|                 | 11/7/2002   | 2.6  | <30         | 7.38       | 490         | 9.5          | <5                      | <5           | <5           | <5           | 140       | 8             | 11,900          | 2                 | <0.005          | <0.020      | 32      |
| 11/7/2002       | 2.7         | <30  | --          | --         | --          | <5           | <5                      | <5           | <5           | 140          | 6         | 11,200        | 2               | <0.005            | <0.020          | 30          |         |
| 6/3/2003        | 4.4         | <30  | 6.91        | 530        | 12.9        | <5           | <5                      | <5           | <5           | --           | --        | --            | --              | --                | --              | --          |         |
| 11/13/2003      | 2.8         | <30  | 7.97        | 630        | 7.7         | <5           | <5                      | <5           | <5           | 110          | 7         | --            | 2               | <0.005            | <0.010          | 31          |         |
| 6/30/2004       | 4.2         | <30  | 6.28        | 570        | 15.8        | <5           | <5                      | <5           | 7            | --           | --        | --            | --              | --                | --              | --          |         |
| 12/10/2004      | 2.0         | <30  | 6.83        | 550        | 10.2        | <5           | <5                      | <5           | 10           | 760          | 145       | 10,700        | 2               | <0.005            | <0.010          | 35          |         |
| 6/8/2005        | 2.0         | <30  | 7.95        | 620        | 11.5        | <5           | <5                      | <5           | <5           | 660          | 199       | 10,900        | <5              | <0.005            | <0.010          | 34          |         |
| 12/8/2005       | 3.0         | <30  | 6.89        | 642        | 10.2        | 9            | <4                      | <5           | <10          | 140          | 120       | 13,300        | --              | --                | --              | --          |         |
| 6/28/2006       | 6.3         | <30  | 7.41        | 671        | 12.2        | <5           | <4                      | <5           | 8            | 110          | 70        | 15,000        | 2               | <0.005            | <0.010          | 50          |         |
| 6/28/2006       | 5.1         | <30  | 7.41        | 682        | 12.2        | <5           | <4                      | <5           | 8            | 120          | 70        | 15,200        | 3               | <0.005            | <0.010          | 50          |         |
| 11/30/2006      | 5.1         | 43.3   | 7.21        | 677        | 8.4         | <5           | <4                      | <5           | 18           | --           | --        | --            | --              | --                | --              | --          |         |
| 6/8/2007        | 2.4         | 69.1   | 6.78        | 644        | 14.1        | 8            | 2                       | 1            | 6            | 110          | 104       | 14,800        | 4               | <0.005            | <0.010          | 44          |         |
| 11/14/2007      | 5.2         | <30  | 7.06        | 783        | 14.9        | 1            | 1                       | 4            | 9            | --           | --        | --            | --              | --                | --              | --          |         |
| 6/25/2008       | 5.7         | <60  | 6.90        | 920        | 18.4        | <5           | 1                       | 5            | 7            | 350          | 32        | 26,100        | 10              | <0.005            | <0.010          | 98          |         |
| 11/20/2008      | 4.5         | <30  | 6.84        | 806        | 9.1         | <5           | <1                      | <5           | <5           | --           | --        | --            | --              | --                | --              | --          |         |
| 6/25/2009       | 5.6         | <30  | 6.95        | 924        | 23.7        | <5           | 203                     | <5           | 113          | 22           | 77        | 29,700        | 10              | <0.005            | <0.010          | 104         |         |
| 11/16/2009      | 4.0         | <30  | 7.17        | 835        | 10.2        | <5           | <4                      | <5           | 6            | --           | --        | --            | --              | --                | --              | --          |         |
| 6/16/2010       | 5.0         | <30  | 7.09        | 841        | 13.9        | <5           | <4                      | <5           | <5           | 40           | 83        | 19,000        | 7               | <0.005            | <0.020          | 75          |         |
| 11/10/2010      | 4.0         | <30  | 7.17        | 779        | 11.3        | 11           | <4                      | <5           | <5           | --           | --        | --            | --              | --                | --              | --          |         |
| 6/21/2011       | 2.9         | <30  | 6.99        | 742        | 19.3        | 9            | <4                      | <5           | <5           | 250          | 55        | 16,900        | 6               | <0.005            | <0.010          | 57          |         |
| 6/21/2011       | --          | --   | --          | --         | --          | --           | <5                      | --           | --           | --           | --        | --            | --              | --                | --              | --          |         |
| 11/15/2011      | 3.0         | 16   | 7.05        | 751        | 11.3        | <5           | <4                      | <5           | <5           | --           | --        | --            | --              | --                | --              | --          |         |
| 6/27/2012       | 2.2         | 16   | 7.00        | 714        | 12.7        | <5           | <4                      | <5           | <5           | <20          | 25        | 17,300        | <5              | <0.005            | <0.02           | 43          |         |
| 12/6/2012       | 2.6         | <40  | 7.47        | 714        | 10.2        | <5           | <4                      | <5           | <5           | --           | --        | --            | --              | --                | --              | --          |         |
| 6/6/2013        | 1.6         | <10  | 6.78        | 742        | 12.5        | <5           | <4                      | <5           | 26           | 990          | 31        | 24,400        | <5              | <0.005            | <0.02           | 68          |         |
| 11/6/2013       | 2.6         | <10  | 7.34        | 726        | 11.8        | <5           | <4                      | <5           | <5           | --           | --        | --            | --              | --                | --              | --          |         |
| 6/25/2014       | 2.6         | <30  | 7.27        | 717        | 12.8        | <5           | <5                      | 11           | 7            | <20          | 26        | 7,280         | <5              | <0.005            | <0.02           | 48          |         |
| 6/24/2015       | 2.2         | <30  | 7.12        | 621        | 12.4        | <5           | <5                      | <5           | <5           | <20          | 11        | 15,100        | <5              | <0.005            | <0.02           | 41          |         |
| 6/27/2016       | 2.6         | 55   | 6.42        | 730        | 17.2        | <5           | <5                      | <5           | <5           | 40           | <5        | 16,100        | <5              | <0.005            | <0.02           | 50          |         |
| 6/22/2017       | 2.3         | <30  | 7.09        | 691        | 12.5        | <5           | <5                      | <5           | <5           | 20           | 7         | 15,500        | <5              | <0.005            | <0.02           | 44          |         |
| 6/13/2018       | 2.1         | <60  | 6.85        | 679        | 14.1        | <5           | <5                      | <5           | 5            | 2,640        | 162       | 13,400        | <5              | <0.005            | <0.02           | 40          |         |
| 11/7/2018       | 3.3         | <150   | 7.60        | 657        | 9.7         | <5           | <5                      | <5           | <5           | 2,870        | 47        | 18,400        | <5              | <0.005            | <0.02           | 32          |         |
| 6/4/2019        | 5.0         | <150   | 7.91        | 501        | 12.4        | <5           | <5                      | <5           | 6            | 340          | 53        | 15,800        | <10             | <0.004            | <0.02           | 32          |         |
| 6/18/2020       | 2.7         | <40  | 7.70        | 590        | 13.2        | <5           | <5                      | <5           | <5           | 1,090        | 62        | 11,500        | <10             | <0.004            | <0.02           | 30          |         |
| 6/10/2021       | 3.3         | <10  | 7.47        | 636        | 13.5        | <5           | <5                      | <5           | <5           | 1,940        | 61        | 12,400        | <10             | <0.004            | <0.02           | 28          |         |
| 6/10/2022       | 4.0         | <10  | 7.45        | 641        | 12.2        | <5           | <5                      | <5           | <5           | 2,050        | 58        | 10,800        | <10             | <0.004            | <0.02           | 30          |         |
| 6/12/2023       | 1.8         | 6.10 J   | 7.37        | 653        | 12.2        | <5           | <5                      | <5           | <5           | 2,320        | 62        | 10,100        | <10             | <0.004            | <0.02           | 29          |         |
| 6/10/2024       | 1.6         | <10  | 7.45        | 650        | 12.1        | <5           | <5                      | <5           | <5           | 2,010        | 59        | 11,000        | <10             | <0.004            | <0.02           | 34.4        |         |
| <b>6/5/2025</b> | <b>1.6</b>  | <b>&lt;10.0</b>                                  | <b>7.52</b> | <b>654</b> | <b>12.3</b> | <b>&lt;5</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>2,160</b> | <b>64</b> | <b>12,700</b> | <b>&lt;10.0</b> | <b>0.004</b>      | <b>&lt;0.02</b> | <b>30.1</b> |         |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date | Indicator Parameters                             |             |              |              |              | Dissolved Metals (µg/L) |              |          |               |              | Inorganics (mg/L) |             |                  |                 |            |         |    |
|-----------------|-------------|--|-------------|--------------|--------------|--------------|-------------------------|--------------|----------|---------------|--------------|-------------------|-------------|------------------|-----------------|------------|---------|----|
|                 |             | TOC (mg/L)                                       | TOX (µg/L)  | pH           | SpC          | Temp         | Cr                      | Cu           | Ni       | Zn            | Fe           | Mn                | Na          | Chloride         | Cyanide         | Phenols    | Sulfate |    |
|                 |             | EGLE Residential Drinking Water Criteria & RBSLs |             |              |              |              | 100 (A)                 | 1,000 ( E )  | 100 (A)  | 2,400         |              |                   |             |                  |                 |            |         |    |
| B-7             | 6/21/1995   | 8.7  | 23          | 7.48         | 1509         | 13.8         | <20                     | <20          | <30      | <20           | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 8/31/1995   | --   | --          | --           | --           | --           | <20                     | <20          | <40      | <20           | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 2/9/1996    | 14.0   | 120         | --           | --           | --           | <20                     | <20          | <40      | 22            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 6/19/1996   | 20.0   | <100        | 6.91         | 1,508        | 13.2         | <20                     | <20          | <20      | 20            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 8/21/1996   | 55.0   | 26          | 7.59         | 1,567        | 17.1         | <20                     | <20          | <20      | 60            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 11/13/1996  | 27.0   | <5          | 7.95         | 1,960        | 7.2          | <20                     | <20          | <20      | 50            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 5/6/1997    | 16.0   | <100        | 7.20         | 780          | 11.0         | <10                     | 10           | 14       | 10            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 11/6/1997   | NS   | NS          | NS           | NS           | NS           | NS                      | NS           | NS       | NS            | NS           | NS                | NS          | NS               | NS              | NS         | NS      |    |
|                 | 5/4/1998    | 6.0  | <5          | 6.61         | 1,270        | 10.7         | <10                     | <10          | <5       | 20            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 11/5/1998   | 4.0  | <10         | 4.60         | 1,240        | 11.2         | <10                     | <10          | 8        | 30            | 10           | 424               | 31,000      | --               | --              | --         | --      |    |
|                 | 12/23/1998  | --   | --          | --           | --           | --           | --                      | --           | --       | --            | --           | --                | --          | 58               | <0.005          | <0.020     | 161     |    |
|                 | 4/26/1999   | 3.9  | <100        | 7.50         | 1,413        | 14.2         | <10                     | <10          | 10       | <10           | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 11/5/1999   | 5.1  | <100        | 6.50         | 1,230        | 14.2         | <10                     | <10          | 8        | 30            | 260          | 313               | 41,800      | 64               | <0.005          | <0.020     | 301     |    |
|                 | Duplicate   | 4/26/2000  | 4.8         | <100         | 7.58         | 1,450        | 10.2                    | <10          | <10      | <5            | <10          | --                | --          | --               | --              | --         | --      | -- |
|                 |             | 4/26/2000  | 5.9         | <100         | NS           | NS           | NS                      | <10          | <10      | 6             | 10           | --                | --          | --               | --              | --         | --      | -- |
| 12/8/2000       |             | 4.2  | <10         | 7.05         | 1,180        | 9.5          | <10                     | <10          | 20       | 10            | 50           | 58,900            | 79          | <0.005           | <0.020          | 227        |         |    |
| 5/16/2001       |             | 5.0  | <100        | 7.30         | 1,330        | 13.0         | <10                     | <10          | 7        | <10           | --           | --                | --          | --               | --              | --         | --      |    |
| 10/18/2001      |             | 5.3  | <100        | 7.19         | 1,210        | 12.5         | <10                     | <10          | 5        | <10           | 330          | 60,800            | 81          | <0.005           | NA              | 205        |         |    |
| 5/16/2002       |             | 3.9  | <100        | 7.19         | 1,850        | 11.9         | <10                     | <10          | <5       | 10            | --           | --                | --          | --               | --              | --         | --      |    |
| 11/7/2002       |             | NR   | NR          | 7.35         | 1,120        | 10.3         | <5                      | <5           | 5        | 5             | 250          | <5                | 65,500      | NA               | NA              | NA         | NA      |    |
| 6/4/2003        |             | 3.3  | <30         | 6.90         | 1,460        | 12.6         | <5                      | <5           | <5       | <5            | --           | --                | --          | --               | --              | --         | --      |    |
| 11/13/2003      |             | 3.9  | <30         | 6.90         | 1,590        | 9.6          | <5                      | <5           | <5       | 5             | 190          | <5                | --          | 85               | <0.005          | <0.010     | 279     |    |
| 6/30/2004       |             | 4.3  | 43          | 7.13         | 1,353        | 16.0         | <5                      | <5           | 9        | 7             | --           | --                | --          | --               | --              | --         | --      |    |
| 12/9/2004       |             | 4.0  | <30         | 5.32         | 1,290        | 10.8         | <5                      | <5           | 7        | 14            | 180          | 74                | 71,200      | 78               | <0.005          | <0.010     | 251     |    |
| 6/8/2005        |             | 7.0  | 86          | 7.36         | 1,121        | 10.9         | 5                       | <5           | 9        | 13            | 170          | 31                | 81,900      | 80               | <0.005          | <0.010     | 254     |    |
| 12/7/2005       |             | 7.5  | <30         | 8.70         | 1,430        | 12.2         | 10                      | <4           | 6        | 20            | 150          | 50                | 85,300      | --               | --              | --         | --      |    |
| 6/29/2006       |             | 4.3  | <30         | 7.19         | 1,470        | 11.7         | 5                       | <4           | 9        | 18            | 190          | 150               | 76,900      | 73               | <0.005          | <0.010     | 270     |    |
| 11/29/2006      |             | 4.4  | <30         | 6.88         | 1,380        | 15.3         | <5                      | <4           | 9        | 11            | --           | --                | --          | --               | --              | --         | --      |    |
| 6/7/2007        | 3.9         | 23.7   | 6.87        | 1,400        | 13.4         | 11           | 27                      | 5            | 14       | 130           | 42           | 87,300            | 72          | <0.005           | <0.010          | 208        |         |    |
| 11/14/2007      | 3.5         | <30  | 6.85        | 1,350        | 13.4         | 14           | 6                       | 16           | 20       | --            | --           | --                | --          | --               | --              | --         |         |    |
| 6/25/2008       | 3.8         | 72.9   | 6.90        | 1,410        | 20.7         | <5           | 3                       | 6            | <5       | 350           | 10           | 94,800            | 68          | <0.005           | <0.010          | 222        |         |    |
| 11/17/2008      | 4.6         | 20.5   | 6.80        | 1,258        | 5.5          | <5           | 3                       | 5            | 17       | --            | --           | --                | --          | --               | --              | --         |         |    |
| 6/24/2009       | 4.5         | <30  | 6.90        | 1,184        | 20.0         | <5           | 3                       | <5           | 14       | 67            | 36           | 84,500            | 40          | <0.005           | <0.010          | 154        |         |    |
| 11/17/2009      | 8.0         | 25.3   | 7.31        | 1,090        | 10.3         | <5           | <4                      | <5           | <5       | --            | --           | --                | --          | --               | --              | --         |         |    |
| 6/17/2010       | 5.0         | <30  | 7.04        | 1,290        | 16.3         | <5           | <4                      | <5           | <5       | <20           | 47           | 86,000            | 61          | <0.005           | <0.020          | 160        |         |    |
| 11/8/2010       | 8.0         | 103  | 7.16        | 997          | 13.9         | 17           | <4                      | <5           | <5       | --            | --           | --                | --          | --               | --              | --         |         |    |
| Replicate       | 6/22/2011   | 4.3  | 25          | 7.25         | 910          | 13.7         | 10                      | <4           | 5        | 6             | 220          | 6                 | 55,200      | 26               | <0.005          | <0.010     | 88      |    |
|                 | 6/22/2011   | --   | --          | --           | --           | --           | <5                      | --           | --       | --            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 11/16/2011  | 5.0  | 28          | 7.04         | 974          | 12.8         | <5                      | 6            | 8        | 11            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 6/27/2012   | 3.7  | 97          | 6.77         | 1,082        | 15.0         | <5                      | <4           | <5       | <5            | <20          | 58                | 64,900      | 40               | <0.005          | <0.02      | 134     |    |
|                 | 12/6/2012   | 7.9  | <40         | 7.12         | 825          | 8.7          | <5                      | 4            | <5       | 9             | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 6/5/2013    | 4.5  | 6           | 7.24         | 921          | 14.0         | <5                      | <4           | <5       | 24            | 30           | 13                | 27,500      | 32               | <0.005          | <0.02      | 106     |    |
|                 | 11/4/2013   | 8.7  | 16          | 7.10         | 733          | 11.6         | 14                      | 6            | <5       | <5            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 6/25/2014   | --   | --          | 7.10         | --           | 13.3         | --                      | --           | --       | --            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 11/18/2014  | 6.5  | 28          | 7.31         | 896          | 4.8          | <5                      | 6            | 6        | 6             | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 6/24/2015   | 4.2  | <30         | 6.98         | 1,019        | 16.3         | <5                      | <5           | <5       | <5            | <20          | 69                | 58,900      | 36               | <0.005          | <0.02      | 122     |    |
|                 | 11/18/2015  | 3.7  | 16          | 7.06         | 1,231        | 14.7         | <5                      | <5           | 7        | 7             | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 6/23/2016   | 3.9  | 77          | 7.14         | 852          | 15.1         | <5                      | <5           | <5       | <5            | 30           | 41                | 41,700      | 22               | <0.005          | <0.02      | 82      |    |
|                 | 11/30/2016  | 5.3  | 230         | 7.21         | 880          | 13.3         | <5                      | <5           | <5       | <5            | --           | --                | --          | --               | --              | --         | --      |    |
|                 | 6/21/2017   | 3.9  | 12          | 6.78         | 1,092        | 11.0         | <5                      | <5           | <5       | <5            | 40           | 37                | 51,700      | 41               | <0.005          | <0.02      | 155     |    |
|                 | 11/7/2017   | 6.5  | 39          | 6.94         | 841          | 10.8         | <5                      | 5            | <5       | <5            | --           | --                | --          | --               | --              | --         | --      |    |
| 6/12/2018       | 4.2         | <60  | 6.95        | 932          | 11.0         | <5           | <5                      | <5           | 10       | 230           | 26           | 39,800            | 27          | <0.005           | <0.02           | 116        |         |    |
| 11/7/2018       | 6.5         | 170  | 7.25        | 952          | 11.4         | <5           | <5                      | <5           | <5       | --            | --           | --                | --          | --               | --              | --         |         |    |
| 5/30/2019       | 6.0         | <150   | 7.35        | 737          | 10.7         | <5           | <5                      | <5           | 7        | 40            | <5           | 32,400            | 20          | <0.004           | <0.02           | 110        |         |    |
| 11/21/2019      | 5.4         | <40  | 7.44        | 910          | 12.5         | <5           | <5                      | <5           | 5        | --            | --           | --                | --          | --               | --              | --         |         |    |
| 6/18/2020       | 5.6         | <40  | 7.33        | 728          | 15.3         | <5           | <5                      | <5           | <5       | 130           | 41           | 35,400            | 27          | <0.004           | <0.02           | 145        |         |    |
| 11/5/2020       | 6.2         | 21.0   | 6.92        | 1,126        | 13.5         | <5           | <5                      | <5           | <5       | --            | --           | --                | --          | --               | --              | --         |         |    |
| 6/11/2021       | 6.3         | 15.0   | 7.08        | 1,057        | 18.8         | <5           | <5                      | <5           | 6        | 90            | 6            | 43,700            | 27          | <0.004           | <0.02           | 167        |         |    |
| 11/5/2021       | 6.6         | 21.2   | 7.15        | 927          | 13.0         | <5           | <5                      | <5           | <5       | --            | --           | --                | --          | --               | --              | --         |         |    |
| 6/8/2022        | 7.9         | 13.5   | 7.00        | 1,070        | 14.97        | <5           | <5                      | <5           | 8        | 20            | 9            | 49,000            | 33          | <0.004           | <0.02           | 171        |         |    |
| 11/2/2022       | 6.4         | 32.9   | 6.97        | 1,073        | 12.97        | <5           | 6                       | <5           | 11       | --            | --           | --                | 34          | --               | --              | --         |         |    |
| 6/9/2023        | 4.4         | 18.0   | 7.04        | 965          | 15.16        | <5           | <5                      | <5           | <5       | <20           | 23           | 40,700            | 28          | <0.004           | <0.02           | 160        |         |    |
| 11/8/2023       | 5.4         | 24.7   | 7.14        | 1,010        | 8.29         | <5           | <5                      | <5           | <5       | --            | --           | --                | --          | --               | --              | --         |         |    |
| 6/6/2024        | 4.3         | 11.5   | 7.07        | 1,015        | 16.21        | <5           | <5                      | <5           | 7        | 20            | <5           | 41,700            | 27.2        | <0.004           | <0.02           | 159        |         |    |
| 11/4/2024       | 3.9         | 18.8   | 7.07        | 1,095        | 17.24        | <5           | <5                      | <5           | <5       | --            | --           | --                | --          | --               | --              | --         |         |    |
| <b>6/6/2025</b> | <b>4.2</b>  | <b>12.8</b>                                      | <b>7.12</b> | <b>1,104</b> | <b>12.60</b> | <b>&lt;5</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>6</b> | <b>&lt;20</b> | <b>&lt;5</b> | <b>52,900</b>     | <b>35.0</b> | <b>&lt;0.004</b> | <b>&lt;0.02</b> | <b>171</b> |         |    |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date | Indicator Parameters                             |            |       |       |      | Dissolved Metals (µg/L) |             |         |       |       | Inorganics (mg/L) |        |          |         |         |         |
|-----------------|-------------|--|------------|-------|-------|------|-------------------------|-------------|---------|-------|-------|-------------------|--------|----------|---------|---------|---------|
|                 |             | TOC (mg/L)                                       | TOX (µg/L) | pH    | SpC   | Temp | Cr                      | Cu          | Ni      | Zn    | Fe    | Mn                | Na     | Chloride | Cyanide | Phenols | Sulfate |
|                 |             | EGLE Residential Drinking Water Criteria & RBSLs |            |       |       |      | 100 (A)                 | 1,000 ( E ) | 100 (A) | 2,400 |       |                   |        |          |         |         |         |
| B-9             | 6/21/1995   | 3.5  | 34         | 7.68  | 2,400 | 14.6 | <20                     | <20         | <30     | <20   | --    | --                | --     | --       | --      | --      | --      |
|                 | 8/31/1995   | 3.9  | <10        | 7.72  | 1,829 | 14.8 | 37                      | 43          | <40     | <20   | --    | --                | --     | --       | --      | --      | --      |
|                 | 2/9/1996    | 3.1  | <10        | 7.34  | 2,860 | 8.0  | <20                     | <20         | <40     | <20   | --    | --                | --     | --       | --      | --      | --      |
|                 | 6/19/1996   | 2.1  | <100       | 6.81  | 2,550 | 11.5 | <20                     | <20         | <20     | <20   | --    | --                | --     | --       | --      | --      | --      |
|                 | 8/21/1996   | 2.3  | <5         | 8.04  | 2,310 | 16.4 | <20                     | <20         | <20     | 70    | --    | --                | --     | --       | --      | --      | --      |
|                 | 11/13/1996  | 71.0   | <5         | 6.79  | 3,280 | 9.2  | <20                     | <20         | <20     | 40    | --    | --                | --     | --       | --      | --      | --      |
|                 | 5/6/1997    | 3.0  | <100       | 6.80  | 2,600 | 10.0 | <10                     | <10         | 51      | 20    | --    | --                | --     | --       | --      | --      | --      |
|                 | 11/6/1997   | 2.0  | <100       | 6.50  | 2,800 | 11.0 | <10                     | <10         | 183     | 40    | 650   | 741               | --     | 141      | <0.005  | <0.020  | 1,178   |
|                 | 5/4/1998    | 3.0  | <5         | 6.58  | 2,400 | 14.5 | 10                      | 10          | 18      | 40    | --    | --                | --     | --       | --      | --      | --      |
|                 | 11/5/1998   | NS   | NS         | NS    | NS    | NS   | NS                      | NS          | NS      | NS    | NS    | NS                | --     | --       | --      | --      | --      |
|                 | 12/23/1998  | --   | --         | --    | --    | --   | --                      | --          | --      | --    | --    | --                | --     | NS       | NS      | NS      | NS      |
|                 | 4/26/1999   | 4.0  | <100       | 7.69  | 1,860 | 12.2 | <10                     | <10         | 19      | 20    | --    | --                | --     | --       | --      | --      | --      |
|                 | 11/5/1999   | 2.5  | <100       | 6.75  | 2,340 | 15.4 | <10                     | <10         | 20      | 30    | 610   | 1280              | 47,100 | 128      | <0.005  | <0.020  | 1,222   |
|                 | 4/26/2000   | 5.5  | <100       | 7.56  | 2,780 | 9.5  | <10                     | <10         | 12      | 30    | --    | --                | --     | --       | --      | --      | --      |
|                 | 12/8/2000   | 5.0  | <10        | 7.56  | 2,400 | 7.8  | <10                     | <10         | 46      | <10   | 50    | --                | 69,500 | 142      | <0.005  | <0.020  | 1,246   |
|                 | 5/16/2001   | 4.8  | <100       | 7.41  | 1,070 | 12.6 | <10                     | <10         | 7       | 10    | --    | --                | --     | --       | --      | --      | --      |
|                 | 10/17/2001  | 4.0  | <100       | 7.54  | 2,130 | 10.8 | <10                     | <10         | 8       | 20    | 940   | --                | 66,000 | 122      | <0.005  | NA      | 1,150   |
|                 | 5/16/2002   | 1.9  | <100       | 7.19  | 2,470 | 11.6 | <10                     | <10         | 7       | 10    | --    | --                | --     | --       | --      | --      | --      |
|                 | 11/7/2002   | NS   | NS         | NS    | NS    | NS   | NS                      | NS          | NS      | NS    | NS    | NS                | NS     | NS       | NS      | NS      | NS      |
|                 | 6/4/2003    | 2.2  | 57         | 6.78  | 2,690 | 10.7 | <5                      | <5          | 15      | 13    | --    | --                | --     | --       | --      | --      | --      |
|                 | 11/13/2003  | NS   | NS         | NS    | NS    | NS   | NS                      | NS          | NS      | NS    | NS    | NS                | NS     | NS       | NS      | NS      | NS      |
|                 | 6/30/2004   | 3.8  | NS         | 6.91  | 2,379 | 12.7 | <5                      | <5          | 8       | 19    | 28    | --                | --     | --       | --      | --      | --      |
|                 | 12/9/2004   | 3.0  | <30        | 5.88  | 2,480 | 11.4 | <5                      | <5          | 11      | 19    | 570   | 248               | 55,900 | 149      | <0.005  | <0.010  | 1,350   |
|                 | 6/8/2005    | 4.0  | <30        | 7.09  | 2,116 | 10.3 | 6                       | 6           | 12      | 17    | 480   | 701               | 58,300 | 128      | <0.005  | <0.010  | 1,160   |
|                 | 12/7/2005   | 5.0  | <30        | 8.58  | 2,830 | 11.9 | 11                      | 5           | 12      | 40    | 320   | 410               | 58,500 | --       | --      | --      | --      |
| 6/29/2006       | 1.9         | <30  | 6.82       | 2,820 | 12.4  | 6    | 6                       | 13          | 19      | 390   | 330   | 63,600            | 125    | <0.005   | <0.010  | 1,150   |         |
| 11/30/2006      | 2.7         | 36.7   | 7.15       | 2,830 | 12.5  | <5   | <5                      | 6           | <5      | 14    | --    | --                | --     | --       | --      | --      |         |
| 6/5/2007        | 2.1         | <30  | 6.70       | 2,770 | 11.0  | 12   | 6                       | 24          | 21      | 320   | 1,900 | 67,300            | 112    | <0.005   | <0.010  | 1,120   |         |
| 11/16/2007      | 2.0         | 27.4   | 6.67       | 3,000 | 9.4   | 2    | 6                       | 24          | 18      | --    | --    | --                | --     | --       | --      | --      |         |
| 7/2/2008        | 1.8         | 36.4   | 6.44       | 3,060 | 19.7  | <5   | <4                      | 13          | 19      | 780   | 812   | 64,200            | 133    | <0.005   | <0.010  | 1,280   |         |
| 11/20/2008      | 2.2         | 15.9   | 6.35       | 3,290 | 8.1   | <5   | <1                      | 13          | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 11/20/2008      | 2.0         | 127  | 6.35       | 3,280 | 8.1   | <5   | <1                      | 13          | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/25/2009       | 1.6         | <30  | 6.67       | 2,700 | 19.8  | <5   | <1                      | <5          | <5      | 59    | 173   | 65,300            | 107    | <0.005   | <0.010  | 1,120   |         |
| 11/16/2009      | 3.0         | 84.1   | 6.71       | 3,030 | 12.7  | <5   | <4                      | 16          | 8       | --    | --    | --                | --     | --       | --      | --      |         |
| 6/15/2010       | 3.0         | 27.5   | 6.69       | 3,030 | 13.0  | <5   | <4                      | 7           | 6       | 460   | 475   | 70,700            | 117    | <0.005   | <0.020  | 1,230   |         |
| 11/11/2010      | 3.0         | 37.5   | 6.37       | 2,910 | 12.9  | 19   | 4                       | 7           | 15      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/22/2011       | 1.9         | <30  | 6.70       | 2,600 | 14.0  | 17   | 6                       | 21          | 12      | 780   | 661   | 63,300            | 99     | <0.005   | <0.010  | 972     |         |
| 6/22/2011       | --          | --   | --         | --    | --    | <5   | --                      | --          | --      | --    | --    | --                | --     | --       | --      | --      |         |
| 11/16/2011      | 2.0         | 50   | 7.18       | 3,060 | 12.9  | <5   | <4                      | 7           | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/26/2012       | 2.0         | 21   | 6.53       | 2,770 | 14.0  | <5   | <4                      | 8           | <5      | 60    | 433   | 73,700            | 101    | <0.005   | <0.02   | 1,110   |         |
| 12/5/2012       | 2.3         | 19   | 6.80       | 3,210 | 12.0  | <5   | 8                       | 17          | 23      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/5/2013        | 2.1         | 15   | 7.07       | 2,660 | 12.5  | <5   | <4                      | 6           | 25      | 40    | 173   | 66,400            | 106    | <0.005   | <0.02   | 1,150   |         |
| 11/6/2013       | 2.2         | NS   | 6.36       | 2,730 | 13.0  | 10   | 8                       | 47          | 8       | --    | --    | --                | --     | --       | --      | --      |         |
| 6/25/2014       | 1.9         | 25   | 6.82       | 2,650 | 11.5  | <5   | <5                      | 18          | 8       | <20   | 159   | 27,100            | 108    | <0.005   | <0.02   | 1,070   |         |
| 11/19/2014      | 2.1         | 29   | 6.77       | 2,670 | 8.12  | <5   | 6                       | 14          | 12      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/24/2015       | 2.0         | 17   | 6.38       | 2,480 | 11.8  | <5   | <5                      | <5          | <5      | <20   | 89    | 62,400            | 87     | <0.005   | <0.02   | 1,040   |         |
| 11/18/2015      | 2.0         | <30  | 6.68       | 2,670 | 13.5  | <5   | <5                      | 7           | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/24/2016       | 1.9         | 150  | 6.68       | 2,190 | 12.9  | <5   | <5                      | 10          | <5      | 20    | 95    | 52,800            | 71     | <0.005   | <0.02   | 776     |         |
| 11/29/2016      | 1.9         | 13   | 6.77       | 2,780 | 13.9  | <5   | <5                      | 8           | 9       | --    | --    | --                | --     | --       | --      | --      |         |
| 6/20/2017       | 1.8         | 12   | 6.75       | 2,250 | 11.5  | <5   | <5                      | 5           | <5      | 17    | 172   | 54,600            | 74     | <0.005   | <0.02   | 770     |         |
| 11/7/2017       | 2.1         | <30  | 6.57       | 2,540 | 13.1  | <5   | <5                      | 8           | 11      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/12/2018       | 1.9         | <60  | 5.78       | 2,420 | 11.6  | <5   | <5                      | 6           | 8       | 20    | 89    | 55,500            | 85     | <0.005   | <0.02   | 931     |         |
| 11/6/2018       | 4.9         | <150   | 6.74       | 3,010 | 13.6  | <5   | <5                      | 7           | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/3/2019        | 4.3         | <150   | 6.89       | 2,200 | 10.7  | <5   | <5                      | <5          | 7       | 70    | 12    | 52,200            | 69     | <0.004   | <0.02   | 838     |         |
| 11/21/2019      | 3.2         | 77   | 7.05       | 2,620 | 12.8  | <5   | <5                      | 6           | 9       | --    | --    | --                | --     | --       | --      | --      |         |
| 6/17/2020       | 4.3         | 45   | 7.13       | 2,260 | 13.1  | <5   | <5                      | <5          | 13      | 160   | 31    | 52,200            | 76     | <0.004   | <0.02   | 929     |         |
| 11/5/2020       | 7.3         | 14.6   | 6.72       | 2,800 | 13.8  | <5   | <5                      | 7           | 6       | --    | --    | --                | --     | --       | --      | --      |         |
| 6/11/2021       | 5.4         | <10  | 6.85       | 2,168 | 14.7  | <5   | <5                      | <5          | <5      | 50    | 124   | 50,700            | 62     | <0.004   | <0.02   | 731     |         |
| 11/4/2021       | 4.8         | 5.68 J   | 6.80       | 2,135 | 13.9  | <5   | <5                      | <5          | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/8/2022        | 7.0         | 7.40 J   | 6.74       | 1,830 | 14.25 | <5   | <5                      | <5          | 14      | 70    | 180   | 45,900            | 46     | <0.004   | <0.02   | 562     |         |
| 11/2/2022       | 4.6         | 36.6   | 6.59       | 2,150 | 15.03 | <5   | 15                      | 6           | 14      | --    | --    | --                | 62     | --       | --      | --      |         |
| 6/9/2023        | 1.8         | 54.1   | 6.71       | 2,290 | 12.68 | <5   | 6                       | 5           | 13      | 20    | 107   | 58,200            | 71     | <0.004   | <0.02   | 841     |         |
| 11/8/2023       | 1.9         | 16.7   | 6.66       | 2,630 | 9.89  | <5   | <5                      | 6           | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/6/2024        | 1.2         | 14.8   | 6.76       | 2,025 | 14.64 | <5   | <5                      | <5          | <5      | <20   | 56    | 55,300            | 54.6   | <0.004   | <0.02   | 709     |         |
| 11/6/2024       | 1.7         | 57.5   | 6.94       | 2,260 | 15.08 | <5   | <5                      | <5          | <5      | --    | --    | --                | --     | --       | --      | --      |         |
| 6/6/2025        | 1.4         | <10.0  | 6.82       | 1,935 | 12.09 | <5   | <5                      | <5          | <5      | 20    | 165   | 47,500            | 47.1   | <0.004   | <0.02   | 632     |         |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well  | Sample Date     | Indicator Parameters                             |                 |             |              |              | Dissolved Metals (µg/L) |              |              |          |             | Inorganics (mg/L) |               |             |                  |                 |             |
|------------------|-----------------|--|-----------------|-------------|--------------|--------------|-------------------------|--------------|--------------|----------|-------------|-------------------|---------------|-------------|------------------|-----------------|-------------|
|                  |                 | TOC (mg/L)                                       | TOX (µg/L)      | pH          | SpC          | Temp         | Cr                      | Cu           | Ni           | Zn       | Fe          | Mn                | Na            | Chloride    | Cyanide          | Phenols         | Sulfate     |
|                  |                 | EGLE Residential Drinking Water Criteria & RBSLs |                 |             |              |              | 100 (A)                 | 1,000 ( E )  | 100 (A)      | 2,400    |             |                   |               |             |                  |                 |             |
| <b>B-18A</b>     | 6/21/1995       | 2.7  | <10             | 7.54        | 1,048        | 13.3         | <20                     | <20          | <30          | 150      | --          | --                | --            | --          | --               | --              | --          |
|                  | 8/31/1995       | 3.0  | <10             | 7.91        | 989          | 13.2         | <20                     | <20          | <40          | <20      | --          | --                | --            | --          | --               | --              | --          |
|                  | 2/9/1996        | 2.3  | <10             | 7.42        | 1,021        | 9.3          | <20                     | <20          | <40          | <20      | --          | --                | --            | --          | --               | --              | --          |
|                  | 6/19/1996       | 1.4  | <100            | 7.04        | 944          | 13.2         | <20                     | <20          | <20          | <20      | --          | --                | --            | --          | --               | --              | --          |
|                  | 8/21/1996       | 2.4  | <5              | 7.49        | 1,041        | 12.8         | <20                     | <20          | <20          | 60       | --          | --                | --            | --          | --               | --              | --          |
|                  | 11/13/1996      | 19.0   | <5              | 7.22        | 1,331        | 6.4          | <20                     | <20          | <20          | 70       | --          | --                | --            | --          | --               | --              | --          |
|                  | 5/6/1997        | 2.0  | <100            | 6.50        | 900          | 10.0         | <10                     | <10          | 13           | 10       | --          | --                | --            | --          | --               | --              | --          |
|                  | 11/6/1997       | 4.0  | <100            | 6.40        | 1,100        | 10.0         | <10                     | <10          | 62           | 10       | 380         | 62                | --            | 12          | <0.005           | <0.020          | 130         |
|                  | 5/4/1998        | 2.0  | <5              | 6.72        | 862          | 11.8         | <10                     | <10          | <5           | 20       | --          | --                | --            | --          | --               | --              | --          |
|                  | 11/5/1998       | 1.0  | <10             | 6.00        | 1,090        | 11.8         | <10                     | <10          | <5           | 10       | 240         | 128               | 46,000        | --          | --               | --              | --          |
| 12/23/1998       | --              | --   | --              | --          | --           | --           | --                      | --           | --           | --       | --          | --                | 10            | <0.005      | <0.020           | 133             |             |
| 4/26/1999        | 2.1             | <100   | 8.10            | 921         | 14.0         | <10          | <10                     | <5           | 20           | --       | --          | --                | --            | --          | --               | --              |             |
| 11/5/1999        | 4.3             | <100   | 7.10            | 832         | 14.0         | <10          | <10                     | <5           | 60           | 180      | 155         | 39,200            | 8             | <0.005      | <0.020           | 130             |             |
| 4/26/2000        | 2.4             | <100   | 7.50            | 980         | 10.4         | <10          | <10                     | <5           | 30           | --       | --          | --                | --            | --          | --               | --              |             |
| 12/8/2000        | 2.6             | <10  | 6.96            | 990         | 9.9          | <10          | <10                     | 15           | <10          | <10      | --          | 34,500            | 7             | <0.005      | <0.020           | 126             |             |
| 12/8/2000        | 2.6             | <10  | --              | --          | --           | <10          | <10                     | 13           | <10          | 40       | --          | 35,100            | 7             | <0.005      | <0.020           | 112             |             |
| 5/16/2001        | 2.4             | <100   | 7.91            | 1,160       | 12.9         | <10          | <10                     | <5           | 10           | --       | --          | --                | --            | --          | --               | --              |             |
| 10/17/2001       | 2.2             | <100   | 7.09            | 1,020       | 12.2         | <10          | <10                     | <5           | <10          | 350      | --          | 35,400            | 7             | <0.005      | <0.020           | 132             |             |
| 5/16/2002        | 1.5             | <100   | 7.19            | 2,080       | 12.2         | <10          | <10                     | <5           | 10           | --       | --          | --                | --            | --          | --               | --              |             |
| 11/7/2002        | 1.9             | <30  | 7.16            | 820         | 10.1         | <5           | <5                      | <5           | <5           | 190      | 26          | 40,800            | 10            | <0.005      | <0.020           | 134             |             |
| 6/4/2003         | 1.6             | <30  | 6.92            | 790         | 13.1         | <5           | <5                      | <5           | 5            | --       | --          | --                | --            | --          | --               | --              |             |
| 11/13/2003       | 1.0             | <30  | 7.68            | 1,180       | 7.1          | <5           | <5                      | <5           | <5           | 160      | <5          | --                | 10            | <0.005      | <0.010           | 129             |             |
| 11/13/2003       | --              | --   | --              | --          | --           | --           | --                      | --           | --           | --       | --          | --                | 11            | <0.005      | <0.010           | 130             |             |
| 6/29/2004        | 1.2             | <30  | 7.19            | 863         | 12.0         | <5           | <5                      | 7            | 10           | --       | --          | --                | --            | --          | --               | --              |             |
| 12/9/2004        | 3.0             | <30  | 6.19            | 960         | 10.5         | <5           | <5                      | 9            | 12           | 900      | 363         | 37,900            | 14            | <0.005      | <0.010           | 127             |             |
| 6/8/2005         | 2.0             | <30  | 7.38            | 819         | 10.9         | <5           | <5                      | 6            | 16           | 170      | 80          | 40,000            | 11            | <0.005      | <0.010           | 120             |             |
| 12/8/2005        | 2.6             | <30  | 9.73            | 1,120       | 10.1         | 11           | <4                      | <5           | 10           | 390      | 170         | 47,000            | --            | --          | --               | --              |             |
| 6/27/2006        | 1.2             | <30  | 7.09            | 1,110       | 13.2         | 5            | 4                       | <5           | 46           | 170      | 50          | 48,200            | 13            | <0.005      | <0.010           | 125             |             |
| 11/30/2006       | 1.4             | 119  | 7.18            | 1,100       | 11.5         | 5            | <4                      | <5           | 9            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/4/2007         | 1.0             | 19.9   | 7.01            | 1,070       | 13.2         | 9            | 3                       | 3            | 14           | 110      | 22          | 51,800            | 15            | <0.005      | <0.010           | 114             |             |
| 11/14/2007       | <1              | 19   | 6.91            | 1,090       | 13.7         | 1            | 2                       | 6            | 11           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/25/2008        | 12.0            | 34.1   | 7.10            | 1,060       | 20.4         | <5           | 2                       | <5           | 11           | 310      | <5          | 54,800            | 15            | <0.005      | <0.010           | 110             |             |
| 11/18/2008       | <1              | <30  | 6.58            | 1,088       | 2.9          | <5           | <1                      | <5           | <5           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/24/2009        | <1              | <30  | 7.25            | 1,060       | 26.2         | <5           | 1                       | <5           | 15           | <20      | <5          | 53,100            | 16            | <0.005      | <0.010           | 111             |             |
| 11/18/2009       | 2.0             | <30  | 6.89            | 1,070       | 11.7         | <5           | <4                      | <5           | 45           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/17/2010        | 1.0             | <30  | 7.19            | 1,080       | 17.5         | <5           | <4                      | <5           | 8            | <20      | <5          | 45,500            | 15            | <0.005      | <0.020           | 109             |             |
| 11/10/2010       | 2.0             | 28   | 6.91            | 1,065       | 9.5          | 12           | <4                      | <5           | <5           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/21/2011        | 1.2             | <30  | 7.16            | 1,031       | 18.8         | 10           | <4                      | 5            | 12           | 240      | <5          | 46,100            | 17            | <0.005      | <0.010           | 103             |             |
| 6/21/2011        | --              | --   | --              | --          | --           | <5           | --                      | --           | --           | --       | --          | --                | --            | --          | --               | --              |             |
| 11/15/2011       | 1.0             | 28   | 7.01            | 1,063       | 12.0         | <5           | <4                      | <5           | <5           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/27/2012        | 1.2             | <40  | 6.99            | 1,057       | 14.4         | <5           | <4                      | <5           | <5           | 30       | 26          | 50,000            | 18            | <0.005      | <0.02            | 103             |             |
| 6/27/2012        | 1.2             | <40  | 6.99            | 1,054       | 14.4         | <5           | <4                      | <5           | 5            | 40       | 27          | 46,500            | 18            | <0.005      | <0.02            | 101             |             |
| 12/6/2012        | 1.5             | <40  | 7.03            | 1,071       | 9.3          | <5           | <4                      | 5            | 9            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/5/2013         | 1.5             | 4.7  | 7.17            | 1,040       | 14.6         | <5           | <4                      | <5           | 31           | 20       | 12          | 43,900            | 19            | <0.005      | <0.02            | 110             |             |
| 11/5/2013        | 1.4             | <10  | 7.15            | 1,063       | 12.1         | <5           | <4                      | <5           | 11           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/24/2014        | 1.5             | <30  | 7.03            | 1,048       | 12.8         | <5           | <5                      | 6            | 7            | <20      | 20          | 20,500            | 18            | <0.005      | <0.02            | 107             |             |
| 11/19/2014       | 1.4             | 16   | 7.10            | 1,073       | 6.27         | <5           | <4                      | 5            | 7            | --       | --          | --                | --            | --          | --               | --              |             |
| 11/19/2014       | 1.5             | <60  | 7.10            | 1,072       | 6.27         | <5           | <4                      | 5            | 7            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/23/2015        | 1.3             | <30  | 6.95            | 1,060       | 15.5         | <5           | <5                      | <5           | <5           | 30       | 10          | 43,600            | 18            | <0.005      | <0.02            | 110             |             |
| 11/18/2015       | 1.4             | <30  | 7.03            | 1,065       | 12.2         | <5           | <5                      | <5           | 5            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/23/2016        | 1.4             | 55   | 7.08            | 1,063       | 13.8         | <5           | <5                      | <5           | <5           | 30       | 7           | 42,400            | 19            | <0.005      | <0.02            | 108             |             |
| 11/30/2016       | 1.2             | <30  | 7.10            | 1,059       | 11.4         | <5           | <5                      | <5           | 7            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/20/2017        | 1.5             | <30  | 6.97            | 1,075       | 12.7         | <5           | <5                      | <5           | 8            | <20      | 27          | 36,300            | 18            | <0.005      | <0.02            | 118             |             |
| 11/7/2017        | 1.2             | <30  | 6.96            | 1,092       | 11.6         | <5           | <5                      | <5           | <5           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/12/2018        | 1.4             | <60  | 6.90            | 1,074       | 12.4         | <5           | <5                      | <5           | 10           | 160      | 41          | 32,900            | 16            | <0.005      | <0.02            | 131             |             |
| 11/7/2018        | 3.0             | <150   | 6.85            | 1,106       | 11.7         | <5           | <5                      | <5           | 7            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/3/2019         | 3.6             | <150   | 7.36            | 1,050       | 11.2         | <5           | <5                      | <5           | 9            | <20      | 15          | 34,900            | 18            | <0.004      | <0.02            | 127             |             |
| 6/3/2019         | 3.8             | <150   | 7.36            | 1,056       | 11.2         | <5           | <5                      | <5           | 34           | 110      | 16          | 35,300            | 17            | <0.004      | <0.02            | 127             |             |
| 11/20/2019       | 2.2             | 65   | 7.30            | 1,055       | 11.2         | <5           | <5                      | <5           | 8            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/18/2020        | 3.2             | 44   | 7.18            | 725         | 13.2         | <5           | <5                      | <5           | 7            | 50       | 65          | 39,700            | 20            | <0.004      | <0.02            | 137             |             |
| 6/18/2020        | 3.9             | <40  | 7.18            | 769         | 13.2         | <5           | <5                      | <5           | 6            | 50       | 68          | 40,800            | 20            | <0.004      | <0.02            | 138             |             |
| 11/5/2020        | 4.3             | 9.42   | 7.09            | 1,084       | 13.2         | <5           | <5                      | <5           | 9            | --       | --          | --                | --            | --          | --               | --              |             |
| 6/11/2021        | 3.7             | 8.78 J   | 7.07            | 1,080       | 16.0         | <5           | <5                      | <5           | 16           | 30       | 40          | 40,000            | 21            | <0.004      | <0.02            | 125             |             |
| 11/5/2021        | 2.5             | <10  | 7.06            | 1,001       | 11.4         | <5           | <5                      | <5           | 11           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/8/2022         | 5.4             | <10  | 6.91            | 1,090       | 13.66        | <5           | <5                      | <5           | 11           | <20      | 39          | 35,200            | 22            | <0.004      | <0.02            | 124             |             |
| 11/2/2022        | 3.3             | 4.16 J   | 6.81            | 1,086       | 13.42        | <5           | 43                      | <5           | 43           | --       | --          | --                | 21 L          | --          | --               | --              |             |
| 11/2/2022        | 3.2             | 11.2   | 6.81            | 1,006       | 13.42        | <5           | 40                      | <5           | 45           | --       | --          | --                | 20            | --          | --               | --              |             |
| 12/22/2022       | --              | --   | --              | --          | --           | --           | 34                      | --           | --           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/9/2023         | 1.3             | 4.82 J   | 6.97            | 1,100       | 14.65        | <5           | <5                      | 8            | 12           | <20      | 123         | 33,300            | 24            | <0.004      | 0.04             | 129             |             |
| 11/8/2023        | 1.4             | 9.98 J   | 6.86            | 1,080       | 8.19         | <5           | <5                      | 5            | 13           | --       | --          | --                | --            | --          | --               | --              |             |
| 6/6/2024         | <1.0            | 8.64 J   | 7.09            | 1,028       | 27.27        | <5           | <5                      | <5           | 10           | 60       | 60          | 33,500            | 29            | <0.004      | <0.02            | 106             |             |
| 11/6/2024        | 1.0             | 4.06 J   | 7.01            | 1,054       | 12.88        | <5           | <5                      | <5           | 9            | --       | --          | --                | --            | --          | --               | --              |             |
| <b>Duplicate</b> | <b>6/6/2025</b> | <b>1.2</b>                                       | <b>&lt;10.0</b> | <b>7.03</b> | <b>1,045</b> | <b>12.16</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>9</b> | <b>30 J</b> | <b>54</b>         | <b>27,600</b> | <b>29.3</b> | <b>&lt;0.004</b> | <b>&lt;0.02</b> | <b>97.2</b> |
| <b>Duplicate</b> | <b>6/6/2025</b> | <b>1.2</b>                                       | <b>3.43 J</b>   | <b>7.03</b> | <b>1,045</b> | <b>12.16</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>9</b> | <b>70 J</b> | <b>55</b>         | <b>27,600</b> | <b>29.0</b> | <b>&lt;0.004</b> | <b>&lt;0.02</b> | <b>96.6</b> |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date     | Indicator Parameters                             |                 |             |              |              | Dissolved Metals (µg/L) |              |              |              |           |              | Inorganics (mg/L) |           |              |                 |            |
|-----------------|-----------------|--|-----------------|-------------|--------------|--------------|-------------------------|--------------|--------------|--------------|-----------|--------------|-------------------|-----------|--------------|-----------------|------------|
|                 |                 | TOC (mg/L)                                       | TOX (µg/L)      | pH          | SpC          | Temp         | Cr                      | Cu           | Ni           | Zn           | Fe        | Mn           | Na                | Chloride  | Cyanide      | Phenols         | Sulfate    |
|                 |                 | EGLE Residential Drinking Water Criteria & RBSLs |                 |             |              |              | 100 (A)                 | 1,000 (E)    | 100 (A)      | 2,400        |           |              |                   |           |              |                 |            |
| B-19A           | 6/21/1995       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 8/31/1995       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 2/9/1996        | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 6/19/1996       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 8/21/1996       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 11/13/1996      | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 5/6/1997        | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 11/6/1997       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | WD        | WD           | WD              | WD         |
|                 | 5/4/1998        | 3.0  | <5              | 6.84        | 1,480        | 10.1         | <10                     | <10          | <5           | 30           | --        | --           | --                | --        | --           | --              | --         |
|                 | 11/5/1998       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 12/23/1998      | --   | --              | --          | --           | --           | --                      | --           | --           | --           | --        | --           | --                | NS        | NS           | NS              | NS         |
|                 | 4/26/1999       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 11/5/1999       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | NS        | NS           | NS              | NS         |
|                 | 4/26/2000       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | --        | --           | --              | --         |
|                 | 12/8/2000       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | NS        | NS           | NS              | NS         |
|                 | 5/16/2001       | 4.0  | <100            | 7.14        | 1,050        | 11.8         | <10                     | <10          | <5           | <10          | --        | --           | --                | --        | --           | --              | --         |
|                 | 10/17/2001      | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | NS        | NS           | NS              | NS         |
|                 | 5/16/2002       | 6.0  | <100            | 7.19        | 1,740        | 10.6         | <10                     | <10          | <5           | 10           | --        | --           | --                | --        | --           | --              | --         |
|                 | 11/7/2002       | NS   | NS              | NS          | NS           | NS           | NS                      | NS           | NS           | NS           | NS        | NS           | NS                | NS        | NS           | NS              | NS         |
|                 | 6/4/2003        | 5.8  | <30             | 6.92        | 1,350        | 12.9         | <5                      | <5           | <5           | <5           | --        | --           | --                | --        | --           | --              | --         |
|                 | 11/13/2003      | 3.4  | <30             | 7.59        | 1,620        | 10.2         | <5                      | <5           | <5           | <5           | 20        | <5           | --                | 148       | <0.005       | <0.010          | 229        |
|                 | 6/29/2004       | 3.9  | <30             | 7.17        | 1,316        | 14.7         | <5                      | <5           | <5           | 8            | --        | --           | --                | --        | --           | --              | --         |
|                 | 12/9/2004       | 5.0  | 33              | 6.24        | 1,340        | 9.9          | <5                      | <5           | <5           | 9            | 240       | 11           | 111,000           | 116       | <0.005       | <0.010          | 233        |
| Duplicate       | 12/9/2004       | 5.0  | <30             | --          | --           | --           | <5                      | <5           | <5           | 7            | 170       | <5           | 114,000           | 116       | <0.005       | <0.010          | 233        |
| B-19AR          | 6/7/2005        | 3.0  | <30             | 7.09        | 829          | 12.2         | <5                      | <5           | 7            | <5           | 1,320     | 228          | 15,700            | 52        | <0.005       | <0.010          | 130        |
| Duplicate       | 12/8/2005       | 5.5  | <30             | --          | 1,390        | --           | 10                      | <4           | <5           | 20           | 160       | <20          | 81,400            | --        | --           | --              | --         |
|                 | 12/8/2005       | 5.3  | <30             | 7.13        | 1,390        | 12.3         | 10                      | <4           | <5           | 20           | 150       | <20          | 74,800            | --        | --           | --              | --         |
| Re-sample       | 2/14/2006       | --   | --              | 7.95        | 840          | 5.9          | <5                      | --           | --           | --           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/29/2006       | 2.7  | <30             | 7.58        | 860          | 12.0         | <5                      | <4           | 12           | 21           | 240       | 210          | 22,400            | 51        | <0.005       | <0.010          | 153        |
|                 | 11/30/2006      | 6.2  | 33.7            | 7.18        | 1,300        | 11.4         | 5                       | <4           | <5           | <5           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/7/2007        | 2.0  | <30             | 6.97        | 899          | 11.4         | 6                       | 4            | 9            | 70           | 21        | 19,700       | 58                | <0.005    | <0.010       | 136             |            |
|                 | 11/13/2007      | 1.5  | <30             | 7.27        | 1,070        | 12.1         | 3                       | 7            | 26           | 11           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/25/2008       | 2.4  | 38.8            | 7.13        | 1,060        | 17.4         | <5                      | 3            | <5           | 16           | 380       | 9            | 18,500            | 58        | <0.005       | <0.010          | 148        |
|                 | 11/18/2008      | 1.3  | <30             | 7.00        | 1,052        | 8.0          | <5                      | 1            | <5           | 14           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/24/2009       | 1.0  | <30             | 7.74        | 911          | 17.3         | <5                      | 2            | <5           | <5           | 36        | <5           | 21,200            | 60        | <0.005       | <0.010          | 147        |
|                 | 11/19/2009      | 2.0  | <30             | 7.41        | 994          | 10.4         | <5                      | <4           | <5           | 7            | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/15/2010       | 2.0  | <30             | 7.57        | 992          | 16.1         | <5                      | <4           | <5           | <5           | <20       | <5           | 19,800            | 59        | <0.005       | <0.020          | 154        |
|                 | 11/10/2010      | 2.0  | <30             | 6.91        | 1,128        | 8.7          | 12                      | <4           | <5           | <5           | --        | --           | --                | --        | --           | --              | --         |
| Replicate       | 6/22/2011       | 1.5  | <30             | 7.35        | 902          | 17.2         | 5                       | <4           | 5            | <5           | 240       | <5           | 22,400            | 64        | <0.005       | <0.010          | 140        |
|                 | 6/22/2011       | --   | --              | --          | --           | --           | <5                      | --           | --           | --           | --        | --           | --                | --        | --           | --              | --         |
|                 | 11/16/2011      | 2.0  | 26              | 7.06        | 1,091        | 8.4          | <5                      | <4           | <5           | 5            | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/27/2012       | 1.5  | <40             | 7.78        | 1,005        | 13.3         | <5                      | <4           | <5           | <5           | <20       | <5           | 23,200            | 62        | <0.005       | <0.02           | 145        |
|                 | 12/6/2012       | 1.8  | <40             | 7.36        | 1,129        | 10.2         | <5                      | <4           | 5            | 6            | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/5/2013        | 1.5  | 39              | 8.16        | 777          | 13.0         | <5                      | <4           | <5           | 25           | 40        | <5           | 27,700            | 72        | <0.005       | <0.02           | 136        |
|                 | 11/6/2013       | 1.6  | 3.6             | 7.33        | 1,104        | 11.6         | <5                      | <4           | 10           | <5           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/23/2014       | 2.0  | 23              | 8.40        | 817          | 17.3         | <5                      | <5           | 5            | <5           | <20       | <5           | 11,900            | 74        | <0.005       | <0.02           | 136        |
|                 | 11/20/2014      | 2.1  | 190             | 7.37        | 1,038        | 6.16         | <5                      | 6            | 6            | 10           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/23/2015       | 1.5  | <30             | 6.77        | 1,165        | 20.2         | <5                      | 6            | <5           | 26           | 30        | 50           | 28,700            | 72        | <0.005       | <0.02           | 132        |
|                 | 11/19/2015      | 1.4  | 17              | 6.90        | 1,170        | 10.6         | <5                      | <5           | 7            | 7            | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/27/2016       | 1.5  | 71              | 8.13        | 712          | 18.8         | <5                      | <5           | <5           | <5           | 40        | <5           | 26,700            | 70        | <0.005       | <0.02           | 128        |
| Re-sample       | 11/30/2016      | 1.8  | 12              | 7.39        | 1,104        | 11.2         | 14                      | 14           | 20           | 39           | --        | --           | --                | --        | --           | --              | --         |
|                 | 1/12/2017       | --   | --              | 7.34        | --           | 11.1         | <5                      | <5           | 6            | 11           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/21/2017       | 2.0  | 30              | 7.29        | 1,064        | 12.1         | <5                      | <5           | <5           | <5           | <20       | 13           | 28,200            | 75        | <0.005       | <0.02           | 131        |
|                 | 11/7/2017       | 2.6  | 120             | 7.05        | 1,134        | 12.0         | <5                      | <5           | <5           | <5           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/12/2018       | 1.8  | <60             | 8.63        | 688          | 12.5         | <5                      | <5           | <5           | 30           | <5        | 24,700       | 81                | <0.005    | <0.02        | 135             |            |
|                 | 11/7/2018       | 5.9  | <150            | 7.35        | 1,176        | 11.1         | 6                       | 5            | 11           | 15           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/3/2019        | 6.5  | <150            | 7.26        | 1,062        | 11.7         | <5                      | <5           | 7            | 10           | 2,760     | 203          | 27,300            | 82        | <0.004       | <0.02           | 148        |
|                 | 11/21/2019      | 2.4  | <40             | 7.36        | 1,121        | 11.1         | 7                       | 6            | 12           | 23           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/18/2020       | 3.1  | <40             | 7.26        | 845          | 13.4         | <5                      | <5           | 6            | 8            | 1,180     | 276          | 22,200            | 88        | <0.004       | <0.02           | 157        |
| Re-sample       | 11/5/2020       | 6.6  | 19.4            | 7.02        | 1,172        | 13.0         | 8                       | 108          | 11           | 42           | --        | --           | --                | --        | --           | --              | --         |
|                 | 12/4/2020       | --   | --              | --          | --           | --           | <5                      | <5           | 6            | 13           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/9/2021        | 4.0  | 5.8 J           | 7.28        | 1,194        | 18.1         | <5                      | 5            | 6            | 12           | 1,690     | 217          | 23,800            | 88        | <0.004       | <0.02           | 150        |
|                 | 11/4/2021       | 3.6  | 10.1            | 7.14        | 926          | 11.4         | <5                      | <5           | 7            | --           | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/9/2022        | 4.5  | 5.22 J          | 7.04        | 1,180        | 15.21        | <5                      | <5           | <5           | 40           | 56        | 19,900       | 90                | <0.004    | <0.02        | 151             |            |
|                 | 11/2/2022       | 3.1  | 12.5            | 6.82        | 1,126        | 13.81        | <5                      | <5           | 20           | --           | --        | --           | 88                | --        | --           | --              | --         |
|                 | 6/12/2023       | 1.6  | 37.3            | 6.97        | 1,210        | 17.04        | <5                      | 7            | <5           | 13           | 360       | 11           | 19,100            | 93        | <0.004       | <0.02           | 156        |
|                 | 11/8/2023       | 1.6  | 4.90 J          | 7.22        | 1,240        | 11.05        | <5                      | <5           | <5           | <5           | --        | --           | --                | --        | --           | --              | --         |
| Duplicate       | 11/8/2023       | 1.6  | 7.40 J          | 7.22        | 1,230        | 11.05        | <5                      | <5           | <5           | 5 J          | --        | --           | --                | --        | --           | --              | --         |
|                 | 6/6/2024        | 1.1  | 8.26 J          | 7.07        | 1,166        | 22.79        | 7                       | 9            | <5           | 10           | 156       | 44           | 20,900            | 99        | <0.004       | <0.02           | 140        |
|                 | 11/6/2024       | 1.3  | 340             | 7.12        | 1,194        | 13.18        | <5                      | <5           | <5           | 6            | --        | --           | --                | --        | --           | --              | --         |
|                 | 3/7/2025        | --   | 106             | --          | --           | --           | --                      | --           | --           | --           | --        | --           | --                | --        | --           | --              | --         |
|                 | <b>6/5/2025</b> | <b>1.3</b>                                       | <b>&lt;10.0</b> | <b>6.98</b> | <b>1,186</b> | <b>16.93</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>&lt;5</b> | <b>40</b> | <b>&lt;5</b> | <b>22,000</b>     | <b>96</b> | <b>0.004</b> | <b>&lt;0.02</b> | <b>144</b> |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date     | Indicator Parameters                             |                 |             |            |              | Dissolved Metals (µg/L) |              |              |              |              |           |               | Inorganics (mg/L) |                  |                 |            |     |
|-----------------|-----------------|--|-----------------|-------------|------------|--------------|-------------------------|--------------|--------------|--------------|--------------|-----------|---------------|-------------------|------------------|-----------------|------------|-----|
|                 |                 | TOC (mg/L)                                       | TOX (µg/L)      | pH          | SpC        | Temp         | Cr                      | Cu           | Ni           | Zn           | Fe           | Mn        | Na            | Chloride          | Cyanide          | Phenols         | Sulfate    |     |
|                 |                 | EGLE Residential Drinking Water Criteria & RBLSs |                 |             |            |              | 100 (A)                 | 1,000 ( E )  | 100 (A)      | 2,400        |              |           |               |                   |                  |                 |            |     |
| <b>B-20D</b>    | 6/21/1995       | 2.8  | <10             | 8.27        | 771        | 15.1         | <20                     | <20          | <30          | <20          | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 8/31/1995       | 4.7  | 47              | 8.10        | 1,204      | 14.6         | <20                     | 20           | <40          | <20          | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 2/9/1996        | 21.0   | 38              | 7.12        | 801        | 9.1          | 32                      | 28           | 54           | 120          | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/19/1996       | 2.4  | <100            | 7.92        | 745        | 11.9         | <20                     | <20          | <20          | <20          | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 8/21/1996       | 3.0  | <5              | 7.97        | 750        | 13.1         | <20                     | <20          | <20          | 40           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 11/13/1996      | 16.0   | <5              | 7.69        | 1,075      | 6.7          | <20                     | <20          | <20          | 40           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 5/6/1997        | 3.0  | <100            | 6.80        | 640        | 10.0         | <10                     | <10          | 15           | 10           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 11/6/1997       | 5.0  | <100            | 6.70        | 700        | 10.0         | <10                     | 20           | 41           | <10          | 260          | 35        | --            | 5                 | <0.005           | <0.020          | 101        |     |
|                 | 5/4/1998        | 4.0  | <5              | 6.77        | 579        | 12.2         | <10                     | <10          | <5           | <10          | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 11/5/1998       | 3.0  | 11              | 6.47        | 667        | 13.5         | <10                     | <10          | <5           | 10           | <10          | 18        | 31,000        | --                | --               | --              | --         |     |
|                 | Duplicate       | 11/5/1998  | 5.0             | 16          | 6.48       | 677          | 13.6                    | <10          | <10          | <5           | 10           | 170       | 8             | 30,300            | --               | --              | --         | --  |
|                 | Duplicate       | 12/23/1998                                       | --              | --          | --         | --           | --                      | --           | --           | --           | --           | --        | --            | --                | 3                | <0.005          | <0.020     | 92  |
|                 | Duplicate       | 12/23/1998                                       | --              | --          | --         | --           | --                      | --           | --           | --           | --           | --        | --            | --                | 3                | <0.005          | <0.020     | 89  |
|                 |                 | 4/26/1999  | 3.2             | <100        | 8.40       | 506          | 13.0                    | <10          | <10          | <5           | 10           | --        | --            | --                | --               | --              | --         | --  |
|                 |                 | 11/5/1999  | 5.3             | <100        | 7.45       | 677          | 12.5                    | <10          | <10          | <5           | 60           | 130       | 60            | 31,400            | 33               | <0.005          | <0.020     | 105 |
|                 | 4/26/2000       | 3.2  | <100            | 7.40        | 760        | 14.9         | <10                     | <10          | <5           | <10          | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 12/8/2000       | 3.2  | <10             | 7.45        | 780        | 4.7          | <10                     | <10          | 15           | <10          | 20           | --        | 19,700        | 2                 | <0.005           | <0.020          | 113        |     |
|                 | 5/15/2001       | 2.7  | <100            | 6.99        | 590        | 13.0         | <10                     | <10          | <5           | <10          | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 10/18/2001      | 2.5  | <100            | 7.85        | 930        | 10.4         | <10                     | <10          | <5           | <10          | 300          | --        | 20,600        | 2                 | <0.005           | <0.020          | 105        |     |
|                 | 5/16/2002       | 3.2  | <100            | 7.21        | 780        | 11.9         | <10                     | <10          | <5           | 10           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 11/7/2002       | 1.8  | <30             | 7.59        | 610        | 8.7          | <5                      | <5           | <5           | <5           | 250          | 74        | 20,900        | 3                 | <0.005           | <0.020          | 115        |     |
|                 | 6/3/2003        | 2.5  | <30             | 7.36        | 620        | 12.8         | <5                      | <5           | <5           | <5           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 11/13/2003      | 1.3  | <30             | 7.97        | 630        | 7.7          | <5                      | <5           | 5            | <5           | 200          | 15        | --            | 5                 | <0.005           | <0.010          | 127        |     |
|                 | 6/29/2004       | 9.4  | <30             | 7.48        | 666        | 13.1         | <5                      | <5           | 11           | <5           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 12/10/2004      | 2.0  | <30             | 6.59        | 830        | 10.8         | <5                      | <5           | 11           | 10           | 2,110        | 92        | 16,800        | 3                 | <0.005           | <0.010          | 148        |     |
|                 | 6/7/2005        | 4.0  | <30             | 7.30        | 707        | 11.9         | 7                       | <5           | 5            | <5           | 2,140        | 66        | 16,500        | <5                | <0.005           | <0.010          | 155        |     |
|                 | 12/8/2005       | 4.1  | <30             | 4.84        | 957        | 11.1         | 11                      | <4           | 26           | <10          | 120          | 120       | 20,600        | --                | --               | --              | --         |     |
|                 | 6/28/2006       | 1.7  | <30             | 7.36        | 979        | 12.5         | 7                       | <4           | <5           | 5            | 2,120        | 60        | 17,600        | 2                 | <0.005           | <0.010          | 169        |     |
|                 | 11/30/2006      | 3.4  | <30             | 7.49        | 980        | 12.5         | 6                       | <4           | 6            | <5           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/8/2007        | 3.4  | 30.9            | 6.72        | 929        | 13.4         | 10                      | 22           | 19           | 124          | 610          | 160       | 25,500        | 4                 | <0.005           | 0.074           | 144        |     |
|                 | 11/13/2007      | 2.1  | <30             | 7.19        | 932        | 13.5         | 3                       | 1            | 13           | 9            | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/25/2008       | <1   | <60             | 7.01        | 946        | 15.5         | <5                      | 2            | <5           | 7            | 2,400        | 55        | 19,500        | 4                 | <0.005           | <0.010          | 164        |     |
|                 | 11/18/2008      | 1.0  | 36.1            | 6.89        | 1,006      | 12.6         | <5                      | 4            | 6            | 22           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/24/2009       | 1.1  | <30             | 7.17        | 1,000      | 19.4         | <5                      | <1           | <5           | <5           | 1,720        | 56        | 21,000        | 3                 | <0.005           | <0.010          | 180        |     |
|                 | 6/24/2009       | <1   | <30             | 7.17        | 1,010      | 19.4         | <5                      | <1           | <5           | <5           | 1,640        | 56        | 20,800        | 3                 | <0.005           | <0.010          | 183        |     |
|                 | 11/18/2009      | 2.0  | <30             | 7.02        | 1,030      | 12.1         | <5                      | <4           | <5           | 5            | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/16/2010       | 2.0  | <30             | 7.30        | 1,020      | 15.1         | <5                      | <4           | <5           | <5           | 1,930        | 49        | 19,000        | 2                 | <0.005           | <0.020          | 177        |     |
|                 | 11/9/2010       | 3.0  | <30             | 7.02        | 998        | 11.7         | 11                      | <4           | <5           | <5           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/22/2011       | 1.6  | <30             | 7.23        | 967        | 15.5         | 9                       | <4           | <5           | 13           | 2,550        | 54        | 18,600        | <5                | <0.005           | <0.010          | 164        |     |
| Replicate       | 6/22/2011       | --   | --              | --          | --         | --           | <5                      | --           | --           | --           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 11/16/2011      | 2.0  | 50              | 7.02        | 1,006      | 9.8          | <5                      | <4           | <5           | 5            | --           | --        | --            | --                | --               | --              | --         |     |
| Duplicate       | 11/16/2011      | 2.0  | 26              | 7.02        | 1,002      | 9.8          | <5                      | <4           | <5           | 6            | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/25/2012       | 2.0  | 15              | 6.79        | 1,003      | 12.8         | <5                      | <4           | <5           | <5           | 1,700        | 53        | 21,400        | <5                | <0.005           | <0.02           | 183        |     |
|                 | 12/6/2012       | 1.8  | <40             | 7.54        | 1,008      | 9.8          | <5                      | <4           | <5           | 7            | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/5/2013        | 1.7  | <10             | 7.00        | 1,000      | 11.5         | <5                      | <4           | <5           | 11           | 1,840        | 48        | 19,500        | <5                | <0.005           | <0.02           | 201        |     |
| Duplicate       | 6/5/2013        | 1.9  | <10             | 7.00        | 1,000      | 11.5         | <5                      | <4           | <5           | <5           | 1,780        | 47        | 17,100        | <5                | <0.005           | <0.02           | 200        |     |
|                 | 11/5/2013       | 1.7  | NS              | 7.22        | 992        | 11.8         | <5                      | <4           | <5           | 39           | --           | --        | --            | --                | --               | --              | --         |     |
|                 | 6/23/2014       | 1.9  | <30             | 7.01        | 972        | 13.8         | <5                      | <5           | 5            | <5           | 1,360        | 47        | 8,620         | <5                | <0.005           | <0.02           | 192        |     |
|                 | 6/24/2015       | 1.8  | <30             | 7.13        | 959        | 13.7         | <5                      | <5           | <5           | <5           | 1,960        | 48        | 18,500        | <10               | <0.005           | <0.02           | 178        |     |
| Duplicate       | 6/24/2015       | 1.7  | <30             | 7.13        | 958        | 13.7         | <5                      | <5           | <5           | <5           | 1,970        | 50        | 18,600        | <10               | <0.005           | <0.02           | 178        |     |
|                 | 6/23/2016       | 1.7  | 68              | 7.01        | 945        | 17.4         | <5                      | <5           | <5           | <5           | 1,880        | 65        | 18,500        | <5                | <0.005           | <0.02           | 161        |     |
|                 | 6/22/2017       | 1.6  | <30             | 7.11        | 926        | 12.4         | <5                      | <5           | <5           | <5           | 2,080        | 48        | 18,700        | <5                | <0.005           | <0.02           | 144        |     |
| Duplicate       | 6/22/2017       | 1.6  | <30             | 7.11        | 926        | 12.4         | <5                      | <5           | <5           | <5           | 2,140        | 49        | 18,300        | <5                | <0.005           | <0.02           | 146        |     |
|                 | 6/14/2018       | 1.5  | <60             | 6.96        | 882        | 14.3         | <5                      | <5           | <5           | 5            | 2,440        | 67        | 18,100        | <5                | <0.005           | <0.02           | 132        |     |
| Duplicate       | 6/14/2018       | 3.0  | <60             | 6.96        | 892        | 14.3         | <5                      | <5           | <5           | 7            | 2,630        | 72        | 17,300        | <5                | <0.005           | <0.02           | 130        |     |
|                 | 5/31/2019       | 3.0  | <150            | 7.69        | 797        | 12.1         | <5                      | <5           | <5           | <5           | 910          | 41        | 21,400        | <10               | <0.004           | <0.02           | 119        |     |
|                 | 6/18/2020       | 2.9  | 67              | 7.47        | 618        | 15.5         | <5                      | <5           | <5           | <5           | 1,730        | 47        | 17,100        | <10               | <0.004           | <0.02           | 132        |     |
|                 | 6/9/2021        | 3.5  | 15.5            | 7.42        | 870        | 13.9         | <5                      | <5           | <5           | <5           | 2,100        | 51        | 17,000        | <10               | <0.004           | <0.02           | 124        |     |
|                 | 6/10/2022       | 4.0  | 3.4 J           | 7.29        | 843        | 12.56        | <5                      | <5           | <5           | 20           | 1,980        | 48        | 15,900        | <10               | <0.004           | <0.02           | 115        |     |
| Duplicate       | 6/10/2022       | 3.6  | <10             | 7.29        | 845        | 12.56        | <5                      | <5           | <5           | <5           | 1,910        | 47        | 15,800        | <10               | <0.004           | <0.02           | 115        |     |
|                 | 6/13/2023       | 1.5  | 5.62 J          | 7.19        | 836        | 13.35        | <5                      | <5           | <5           | <5           | 1,960        | 43        | 14,400        | <10               | <0.004           | <0.02           | 107        |     |
|                 | 6/10/2024       | 1.1  | <10.0           | 7.22        | 799        | 15.07        | <5                      | <5           | <5           | <5           | 1,820        | 45        | 17,900        | <10               | <0.004           | <0.02           | 103        |     |
| Duplicate       | 6/10/2024       | 1.2  | <10.0           | 7.22        | 812        | 15.07        | <5                      | <5           | <5           | <5           | 1,810        | 43        | 18,400        | <10               | <0.004           | <0.02           | 102        |     |
|                 | <b>6/5/2025</b> | <b>1.2</b>                                       | <b>&lt;10.0</b> | <b>7.31</b> | <b>814</b> | <b>12.35</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>&lt;5</b> | <b>1,970</b> | <b>44</b> | <b>16,700</b> | <b>&lt;10.0</b>   | <b>&lt;0.004</b> | <b>&lt;0.02</b> | <b>101</b> |     |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date     | Indicator Parameters                             |                 |             |            |              | Dissolved Metals (µg/L) |              |              |              |              |           |               | Inorganics (mg/L) |                  |                 |             |    |
|-----------------|-----------------|--|-----------------|-------------|------------|--------------|-------------------------|--------------|--------------|--------------|--------------|-----------|---------------|-------------------|------------------|-----------------|-------------|----|
|                 |                 | TOC (mg/L)                                       | TOX (µg/L)      | pH          | SpC        | Temp         | Cr                      | Cu           | Ni           | Zn           | Fe           | Mn        | Na            | Chloride          | Cyanide          | Phenols         | Sulfate     |    |
|                 |                 | EGLE Residential Drinking Water Criteria & RBSLs |                 |             |            |              | 100 (A)                 | 1,000 (E)    | 100 (A)      | 2,400        |              |           |               |                   |                  |                 |             |    |
| B-21D           | 6/21/1995       | 4.2  | <10             | 8.27        | 870        | 14.5         | <20                     | <20          | <30          | 61           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 8/31/1995       | 3.3  | 19              | 8.09        | 684        | 14.2         | <20                     | 21           | <40          | <20          | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 2/9/1996        | 4.1  | <10             | 7.70        | 646        | 8.6          | <20                     | <20          | <40          | <20          | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 6/19/1996       | 5.3  | <100            | 7.58        | 577        | 14.1         | <20                     | <20          | <20          | <20          | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 8/21/1996       | 2.5  | <5              | 7.93        | 576        | 13.8         | <20                     | <20          | <20          | 50           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 11/13/1996      | 17.0   | <5              | 7.28        | 810        | 8.8          | <20                     | <20          | <20          | 40           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 5/6/1997        | 2.0  | <100            | 6.82        | 530        | 10.2         | <10                     | <10          | 8            | <10          | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 11/6/1997       | 3.0  | <100            | 6.70        | 540        | 10.0         | <10                     | <10          | 30           | <10          | 240          | 27        | --            | 2                 | <0.005           | <0.020          | 33          |    |
|                 | 5/4/1998        | 16.0   | <5              | 6.90        | 480        | 11.5         | <10                     | <10          | <5           | 20           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 11/5/1998       | 5.0  | <10             | 7.24        | 565        | 7.8          | <10                     | <10          | <5           | 10           | 240          | 43        | 26,700        | --                | --               | --              | --          |    |
|                 | 12/23/1998      | --   | --              | --          | --         | --           | --                      | --           | --           | --           | --           | --        | --            | 2                 | <0.005           | <0.020          | 15          |    |
|                 | 4/26/1999       | 11.0   | <100            | 8.24        | 506        | 13.0         | <10                     | <10          | <5           | 10           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 11/5/1999       | NS   | NS              | NS          | NS         | NS           | NS                      | NS           | NS           | NS           | NS           | NS        | NS            | NS                | NS               | NS              | NS          |    |
|                 | 4/26/2000       | 2.5  | <100            | 8.20        | 660        | 14.1         | <10                     | <10          | <5           | <10          | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 12/8/2000       | 4.2  | <10             | 8.44        | 680        | 7.1          | <10                     | <10          | 11           | <10          | <10          | --        | 29,600        | 2                 | <0.005           | <0.020          | 36          |    |
|                 | Duplicate       | 5/15/2001  | 1.9             | <100        | 7.94       | 570          | 13.0                    | <10          | <10          | <5           | 10           | --        | --            | --                | --               | --              | --          | -- |
|                 |                 | 5/15/2001  | 1.9             | <100        | 8.32       | 560          | 13.0                    | <10          | <10          | <5           | 10           | --        | --            | --                | --               | --              | --          | -- |
| 10/18/2001      |                 | 3.4  | <100            | 7.61        | 570        | 13.7         | <10                     | <10          | <5           | <10          | 200          | --        | 22,200        | 1                 | <0.005           | <0.020          | 41          |    |
| 5/16/2002       |                 | 6.1  | <100            | 7.19        | 630        | 11.7         | <10                     | <10          | <5           | <10          | --           | --        | --            | --                | --               | --              | --          |    |
| 11/7/2002       |                 | NS   | NS              | NS          | NS         | NS           | NS                      | NS           | NS           | NS           | NS           | NS        | NS            | NS                | NS               | NS              | NS          |    |
| 6/3/2003        |                 | 5.8  | <30             | 7.27        | 510        | 13.0         | <5                      | <5           | <5           | 6            | --           | --        | --            | --                | --               | --              | --          |    |
| 11/13/2003      |                 | 1.0  | <30             | 7.81        | 710        | 8.7          | <5                      | <5           | <5           | 9            | 100          | <5        | --            | 4                 | <0.005           | <0.010          | 48          |    |
| 6/30/2004       |                 | 4.0  | <30             | 6.77        | 570        | 14.8         | <5                      | <5           | <5           | 7            | --           | --        | --            | --                | --               | --              | --          |    |
| 12/10/2004      |                 | 2.0  | <30             | 6.40        | 600        | 9.9          | <5                      | <5           | <5           | 7            | 1,330        | 44        | 20,100        | 2                 | <0.005           | <0.010          | 50          |    |
| 6/8/2005        |                 | 3.0  | <30             | 7.70        | 560        | 14.2         | <5                      | <5           | 12           | 6            | 1,350        | 72        | 21,000        | <5                | <0.005           | <0.010          | 44          |    |
| 12/8/2005       |                 | 4.4  | <30             | 5.49        | 741        | 11.4         | 8                       | <4           | 8            | <10          | 1,070        | 60        | 21,500        | --                | --               | --              | --          |    |
| 6/28/2006       |                 | 1.5  | <30             | 7.44        | 718        | 12.8         | <5                      | 6            | 5            | 13           | 430          | 60        | 23,500        | 2                 | <0.005           | <0.010          | 53          |    |
| 11/30/2006      |                 | 1.8  | 49.1            | 7.59        | 693        | 11.5         | <5                      | <4           | <5           | <5           | --           | --        | --            | --                | --               | --              | --          |    |
| 6/8/2007        |                 | 1.2  | <30             | 6.30        | 709        | 13.2         | 10                      | 2            | 5            | 7            | 1,200        | 49        | 21,500        | 4                 | <0.005           | <0.010          | 60          |    |
| 11/14/2007      | <1              | <30  | 7.26            | 738         | 14.5       | 2            | 1                       | 5            | 8            | --           | --           | --        | --            | --                | --               | --              |             |    |
| 6/26/2008       | 1.8             | 16.8   | 7.07            | 738         | 16.9       | <5           | 1                       | <5           | <5           | 1,390        | 40           | 22,700    | 3             | <0.005            | <0.010           | 60              |             |    |
| 11/19/2008      | 1.1             | <30  | 6.93            | 739         | 11.0       | <5           | <1                      | 5            | <5           | --           | --           | --        | --            | --                | --               | --              |             |    |
| 6/25/2009       | <1              | <30  | 6.69            | 743         | 16.1       | <5           | <1                      | 5            | <5           | 1,210        | 34           | 25,100    | 3             | <0.005            | <0.010           | 64              |             |    |
| Duplicate       | 11/19/2009      | 2.0  | 41.2            | 7.17        | 745        | 10.2         | <5                      | <4           | <5           | 6            | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 11/19/2009      | 2.0  | <30             | 7.17        | 739        | 10.2         | <5                      | <4           | <5           | <5           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 6/17/2010       | 2.0  | <30             | 7.40        | 736        | 13.2         | <5                      | <4           | <5           | <5           | 980          | 34        | 23,700        | 3                 | <0.005           | <0.020          | 58          |    |
| Replicate       | 11/10/2010      | 1.0  | <30             | 7.28        | 739        | 11.0         | 11                      | <4           | <5           | <5           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 6/22/2011       | 1.4  | <30             | 7.41        | 718        | 19.5         | 10                      | <4           | <5           | <5           | 1,540        | 33        | 23,300        | <5                | <0.005           | <0.010          | 61          |    |
|                 | 6/22/2011       | --   | --              | --          | --         | --           | 7                       | --           | --           | --           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 11/16/2011      | 1.0  | 7.9             | 7.16        | 753        | 10.6         | <5                      | <4           | <5           | <5           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 6/26/2012       | 1.3  | <40             | 7.26        | 745        | 19.5         | <5                      | <4           | <5           | <5           | 640          | 42        | 25,800        | <5                | <0.005           | <0.02           | 66          |    |
|                 | 12/6/2012       | 1.6  | <40             | 7.57        | 754        | 9.1          | <5                      | <4           | <5           | 8            | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 6/5/2013        | 1.6  | <10             | 7.16        | 742        | 13.5         | <5                      | <4           | <5           | 26           | 990          | 31        | 24,400        | <5                | <0.005           | <0.02           | 68          |    |
|                 | 11/6/2013       | 1.5  | <10             | 7.49        | 760        | 12.1         | <5                      | <4           | <5           | 14           | --           | --        | --            | --                | --               | --              | --          |    |
|                 | 6/24/2014       | 1.5  | <30             | 7.43        | 754        | 16.5         | <5                      | <5           | <5           | <5           | 850          | 28        | 11,200        | <5                | <0.005           | <0.02           | 77          |    |
|                 | 6/24/2015       | 1.4  | <30             | 7.19        | 683        | 15.2         | <5                      | <5           | <5           | <5           | 710          | 37        | 24,700        | <10               | <0.005           | <0.02           | 81          |    |
|                 | 6/24/2016       | 1.4  | 59              | 6.94        | 790        | 15.2         | <5                      | <5           | <5           | <5           | 1,290        | 35        | 22,600        | <5                | <0.005           | <0.02           | 91          |    |
| 6/21/2017       | 1.4             | <30  | 7.21            | 790         | 13.0       | <5           | <5                      | <5           | <5           | 1,210        | 36           | 25,000    | <5            | <0.005            | <0.02            | 90              |             |    |
| 6/14/2018       | 1.4             | <60  | 7.02            | 786         | 14.4       | <5           | <5                      | 5            | 11           | 4,310        | 123          | 22,700    | <5            | <0.005            | <0.02            | 90              |             |    |
| 5/30/2019       | 2.7             | <150   | 7.70            | 658         | 11.9       | <5           | <5                      | <5           | <5           | 270          | 30           | 25,600    | <10           | <0.004            | <0.02            | 79              |             |    |
| 6/17/2020       | 2.9             | 40   | 7.57            | 554         | 12.5       | <5           | <5                      | <5           | <5           | 1,400        | 33           | 21,200    | <10           | <0.004            | <0.02            | 108             |             |    |
| 6/10/2021       | 3.3             | <10  | 7.36            | 800         | 15.7       | <5           | <5                      | <5           | <5           | 1,920        | 45           | 24,600    | <10           | <0.004            | <0.02            | 90              |             |    |
| 6/8/2022        | 4.1             | <10  | 7.25            | 800         | 12.3       | <5           | <5                      | <5           | <5           | 1,550        | 30           | 22,900    | <10           | <0.004            | <0.02            | 97              |             |    |
| Duplicate       | 6/12/2023       | 1.4  | 6.88 J          | 7.23        | 793        | 13.8         | <5                      | <5           | <5           | <5           | 1,350        | 32        | 20,300 J      | <10               | <0.004           | <0.02           | 89          |    |
|                 | 6/12/2023       | 1.4  | 5.60 J          | 7.22        | 791        | 14.0         | <5                      | <5           | <5           | <5           | 1,360        | 32        | 13,900 J      | <10               | <0.004           | <0.02           | 91          |    |
|                 | 6/6/2024        | <1.0   | 9.48 J          | 7.39        | 757        | 14.37        | <5                      | <5           | <5           | <5           | 1,310        | 32        | 25,700        | <10.0             | <0.004           | <0.02           | 76.3        |    |
|                 | <b>6/5/2025</b> | <b>1.1</b>                                       | <b>&lt;10.0</b> | <b>7.36</b> | <b>794</b> | <b>11.85</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>&lt;5</b> | <b>1,700</b> | <b>32</b> | <b>23,200</b> | <b>&lt;10.0</b>   | <b>&lt;0.004</b> | <b>&lt;0.02</b> | <b>92.3</b> |    |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date | Indicator Parameters                             |            |      |       |       | Dissolved Metals (µg/L) |           |         |       |       |        |        | Inorganics (mg/L) |         |         |         |
|-----------------|-------------|--|------------|------|-------|-------|-------------------------|-----------|---------|-------|-------|--------|--------|-------------------|---------|---------|---------|
|                 |             | TOC (mg/L)                                       | TOX (µg/L) | pH   | SpC   | Temp  | Cr                      | Cu        | Ni      | Zn    | Fe    | Mn     | Na     | Chloride          | Cyanide | Phenols | Sulfate |
|                 |             | EGLE Residential Drinking Water Criteria & RBSLs |            |      |       |       | 100 (A)                 | 1,000 (E) | 100 (A) | 2,400 |       |        |        |                   |         |         |         |
| B-22D           | 6/21/1995   | 2.6  | <10        | 7.71 | 573   | 15.5  | <20                     | <20       | 370     | <20   | --    | --     | --     | --                | --      | --      | --      |
|                 | 8/31/1995   | 4.5  | 47         | 8.25 | 739   | 14.3  | <20                     | <20       | <40     | 47    | --    | --     | --     | --                | --      | --      | --      |
|                 | 2/9/1996    | 6.9  | <10        | NS   | NS    | NS    | <20                     | <20       | <40     | 80    | --    | --     | --     | --                | --      | --      | --      |
|                 | 6/19/1996   | 1.8  | <100       | 7.51 | 600   | 13.4  | <20                     | <20       | <20     | 20    | --    | --     | --     | --                | --      | --      | --      |
|                 | 8/21/1996   | 1.7  | <5         | 8.08 |       | 14.2  | <20                     | <20       | <20     | 50    | --    | --     | --     | --                | --      | --      | --      |
|                 | 11/13/1996  | 10.0   | <5         | 7.22 | 817   | 7.7   | <20                     | <20       | <20     | 50    | --    | --     | --     | --                | --      | --      | --      |
|                 | 5/6/1997    | 2.0  | <100       | 6.67 | 550   | 10.1  | <10                     | <10       | <5      | <10   | --    | --     | --     | --                | --      | --      | --      |
|                 | 11/6/1997   | 7.0  | <100       | 6.90 | 550   | 10.0  | <10                     | <10       | 29      | 10    | 1,360 | 55     | --     | 2                 | <0.005  | <0.020  | 32      |
|                 | 5/4/1998    | 5.0  | <5         | 7.07 | 501   | 11.7  | <10                     | <10       | <5      | <10   | --    | --     | --     | --                | --      | --      | --      |
|                 | 11/5/1998   | 6.0  | <10        | 6.60 | 559   | 9.8   | <10                     | <10       | <5      | 10    | 1,180 | 47     | 23,800 | --                | --      | --      | --      |
|                 | 12/23/1998  | --   | --         | --   | --    | --    | --                      | --        | --      | --    | --    | --     | --     | 2                 | <0.005  | <0.020  | 28      |
|                 | 4/26/1999   | 18.0   | <100       | 8.20 | 485   | 13.2  | <10                     | <10       | <5      | 10    | --    | --     | --     | --                | --      | --      | --      |
|                 | 11/5/1999   | 2.6  | <100       | 7.30 | 474   | 13.6  | <10                     | <10       | <5      | 20    | 90    | 31     | 27,900 | 2                 | <0.005  | <0.020  | 29      |
|                 | 4/26/2000   | 2.5  | <100       | 8.20 | 670   | 14.2  | <10                     | <10       | <5      | <10   | --    | --     | --     | --                | --      | --      | --      |
|                 | 12/8/2000   | 2.5  | <10        | 7.49 | 510   | 5.4   | <10                     | <10       | 8       | <10   | <10   | --     | 26,500 | 2                 | <0.005  | <0.020  | 31      |
|                 | 5/15/2001   | 6.7  | <100       | 8.01 | 690   | 13.7  | <10                     | <10       | 6       | 30    | --    | --     | --     | --                | --      | --      | --      |
|                 | 10/18/2001  | 1.7  | <100       | 7.59 | 2,610 | 10.2  | <10                     | <10       | <5      | <10   | 200   | --     | 27,800 | 1                 | <0.005  | <0.020  | 33      |
|                 | 5/16/2002   | 3.2  | <100       | 7.06 | 630   | 12.1  | <10                     | <10       | <5      | <10   | --    | --     | --     | --                | --      | --      | --      |
|                 | 11/7/2002   | 1.5  | <30        | 7.39 | 480   | 8.8   | <5                      | <5        | <5      | <5    | 120   | 11     | 25,200 | 2                 | <0.005  | <0.020  | 35      |
|                 | 6/3/2003    | 2.3  | <30        | 6.78 | 570   | 13.1  | <5                      | <5        | <5      | <5    | --    | --     | --     | --                | --      | --      | --      |
|                 | 11/14/2003  | 1.6  | <30        | 8.05 | 660   | 9.8   | <5                      | <5        | <5      | 9     | 6     | <5     | --     | 3                 | <0.005  | <0.010  | 37      |
|                 | 6/30/2004   | 1.7  | <30        | 6.27 | 610   | 15.5  | <5                      | <5        | <5      | 6     | --    | --     | --     | --                | --      | --      | --      |
|                 | 12/10/2004  | 2.0  | <30        | 6.95 | 600   | 10.3  | <5                      | <5        | <5      | 6     | 1,280 | 37     | 25,100 | 2                 | <0.005  | <0.010  | 42      |
| 6/8/2005        | 2.0         | <30  | 7.67       | 531  | 13.2  | 6     | <5                      | <5        | <5      | 1,370 | 38    | 23,700 | <5     | <0.005            | <0.010  | 40      |         |
| 12/8/2005       | 2.7         | <30  | 5.75       | 702  | 11.7  | 10    | <4                      | 46        | <10     | 2,200 | 250   | 25,400 | --     | --                | --      | --      |         |
| 6/28/2006       | <1          | <30  | 7.48       | 682  | 13.0  | <5    | <4                      | <5        | <5      | 1,290 | 30    | 25,800 | 2      | <0.005            | <0.010  | 42      |         |
| 11/30/2006      | 2.2         | <30  | 7.53       | 684  | 13.3  | <5    | <4                      | <5        | 7       | --    | --    | --     | --     | --                | --      | --      |         |
| Duplicate       | 11/30/2006  | 5.3  | <30        | 7.53 | 676   | 13.3  | <5                      | <4        | <5      | --    | --    | --     | --     | --                | --      | --      |         |
| Duplicate       | 6/8/2007    | 3.8  | <30        | 6.59 | 680   | 14.3  | 7                       | 2         | 1       | 5     | 1,180 | 32     | 28,100 | 3                 | <0.005  | <0.010  | 46      |
| Duplicate       | 6/8/2007    | 3.1  | 21.1       | 6.59 | 669   | 14.3  | 9                       | 2         | 1       | 4     | 1,210 | 31     | 28,400 | 4                 | <0.005  | <0.010  | 47      |
| Duplicate       | 11/14/2007  | 1.1  | <30        | 7.30 | 710   | 14.2  | 2                       | 2         | 3       | 6     | --    | --     | --     | --                | --      | --      |         |
|                 | 6/26/2008   | 1.7  | 22.6       | 7.09 | 694   | 19.3  | <5                      | <1        | <5      | 5     | 1,100 | 33     | 25,900 | 3                 | <0.005  | <0.010  | 46      |
| Duplicate       | 6/26/2008   | 2.6  | <30        | 7.09 | 710   | 19.3  | <5                      | <1        | <5      | 7     | 1,150 | 34     | 26,400 | 3                 | <0.005  | <0.010  | 46      |
| Duplicate       | 11/19/2008  | 8.9  | <30        | 6.93 | 699   | 8.2   | <5                      | <1        | 8       | 8     | --    | --     | --     | --                | --      | --      |         |
|                 | 6/25/2009   | 1.1  | <30        | 6.74 | 705   | 16.6  | <5                      | <1        | <5      | <5    | 1,340 | 30     | 28,500 | 2                 | <0.005  | <0.010  | 54      |
| Duplicate       | 11/18/2009  | 2.0  | <30        | 7.15 | 710   | 11.4  | <5                      | <4        | <5      | <5    | --    | --     | --     | --                | --      | --      |         |
| Duplicate       | 6/16/2010   | 2.0  | <30        | 7.43 | 715   | 15.7  | <5                      | <4        | <5      | <5    | 1,100 | 28     | 26,000 | 2                 | <0.005  | <0.020  | 51      |
| Duplicate       | 11/11/2010  | 2.0  | <30        | 7.31 | 704   | 10.3  | 11                      | <4        | <5      | <5    | --    | --     | --     | --                | --      | --      |         |
| Replicate       | 6/21/2011   | 1.3  | <30        | 7.35 | 705   | 17.0  | 9                       | <4        | <5      | <5    | 1,460 | 30     | 27,300 | <5                | <0.005  | <0.010  | 50      |
| Replicate       | 6/21/2011   | --   | --         | --   | --    | --    | <5                      | --        | --      | --    | --    | --     | --     | --                | --      | --      |         |
| Replicate       | 11/14/2011  | 2.0  | 76         | 7.39 | 714   | 10.1  | <5                      | <4        | <5      | 12    | --    | --     | --     | --                | --      | --      |         |
| Replicate       | 6/25/2012   | 2.0  | <40        | 6.45 | 714   | 12.7  | <5                      | <4        | <5      | 8     | 1,830 | 42     | 30,000 | <5                | <0.005  | <0.02   | 51      |
| Replicate       | 12/6/2012   | 1.6  | <40        | 7.58 | 716   | 10.1  | <5                      | <4        | <5      | 9     | --    | --     | --     | --                | --      | --      |         |
| Replicate       | 6/3/2013    | 1.6  | 46         | 6.81 | 701   | 15.6  | <5                      | <4        | <5      | <5    | 1,000 | 27     | 28,100 | <5                | <0.005  | <0.02   | 53      |
| Replicate       | 11/6/2013   | 1.5  | <10        | 7.52 | 713   | 11.4  | <5                      | <4        | <5      | 12    | --    | --     | --     | --                | --      | --      |         |
| Replicate       | 6/24/2014   | 1.5  | <30        | 7.46 | 707   | 14.7  | <5                      | <5        | <5      | <5    | 850   | 26     | 12,700 | <5                | <0.005  | <0.02   | 53      |
| Replicate       | 6/23/2015   | 1.8  | <30        | 7.46 | 710   |       | <5                      | <5        | <5      | 8     | 1,030 | 27     | 28,300 | <10               | <0.005  | <0.02   | 55      |
| Replicate       | 6/22/2016   | 2.4  | 100        | 7.19 | 716   | 13.0  | <5                      | <5        | <5      | <5    | 920   | 27     | 27,100 | <5                | <0.005  | <0.02   | 54      |
| Replicate       | 6/22/2016   | 2.4  | 29         | 7.19 | 716   | 13.0  | <5                      | <5        | <5      | <5    | 950   | 28     | 27,300 | <5                | <0.005  | <0.02   | 54      |
| Replicate       | 6/21/2017   | 1.5  | <30        | 7.21 | 718   | 13.4  | <5                      | <5        | <5      | <5    | 970   | 30     | 29,000 | <5                | <0.005  | <0.02   | 54      |
| Replicate       | 6/13/2018   | 1.5  | <60        | 7.02 | 707   | 14.6  | <5                      | <5        | <5      | 5     | 1,320 | 29     | 31,000 | <5                | <0.005  | <0.02   | 54      |
| Replicate       | 5/30/2019   | 3.1  | <150       | 7.76 | 647   | 11.7  | <5                      | <5        | <5      | 13    | 320   | 27     | 28,500 | <10               | <0.004  | <0.02   | 55      |
| Replicate       | 6/17/2020   | 5.2  | <40        | 7.61 | 535   | 15.2  | <5                      | <5        | <5      | <5    | 1,560 | 36     | 26,700 | <10               | <0.004  | <0.02   | 58      |
| Replicate       | 6/10/2021   | 2.8  | 88.8       | 7.40 | 722   | 16.3  | <5                      | <5        | <5      | 5     | 1,310 | 27     | 28,700 | <10               | <0.004  | <0.02   | 54      |
| Replicate       | 6/8/2022    | 4.3  | 5.42 J     | 7.31 | 718   | 13.0  | <5                      | <5        | <5      | <5    | 1,320 | 25     | 28,000 | <10               | <0.004  | <0.02   | 59      |
| Replicate       | 6/9/2023    | 1.4  | 5.64 J     | 7.37 | 701   | 15.6  | <5                      | <5        | <5      | 6     | 1,270 | 25     | 28,200 | <10               | <0.004  | <0.02   | 56      |
| Replicate       | 6/6/2024    | 1.0  | <10.0      | 7.46 | 718   | 12.99 | <5                      | <5        | <5      | <5    | 1,360 | 26     | 27,000 | <10.0             | <0.004  | <0.02   | 59.9    |
| Replicate       | 6/5/2025    | 1.2  | <10.0      | 7.42 | 721   | 11.66 | <5                      | <5        | <5      | <5    | 1,470 | 27     | 25,900 | <10.0             | <0.004  | <0.02   | 57.6    |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date     | Indicator Parameters                             |                 |             |            |              | Dissolved Metals (µg/L) |              |              |              |              |           |               |             | Inorganics (mg/L) |                 |             |    |
|-----------------|-----------------|--|-----------------|-------------|------------|--------------|-------------------------|--------------|--------------|--------------|--------------|-----------|---------------|-------------|-------------------|-----------------|-------------|----|
|                 |                 | TOC (mg/L)                                       | TOX (µg/L)      | pH          | SpC        | Temp         | Cr                      | Cu           | Ni           | Zn           | Fe           | Mn        | Na            | Chloride    | Cyanide           | Phenols         | Sulfate     |    |
|                 |                 | EGLE Residential Drinking Water Criteria & RBSLs |                 |             |            |              | 100 (A)                 | 1,000 ( E )  | 100 (A)      | 2,400        |              |           |               |             |                   |                 |             |    |
| B-23D           | 6/21/1995       | 3.4  | <10             | 7.27        | 680        | 15.1         | <20                     | <20          | <30          | <20          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 8/31/1995       | 3.9  | 96              | 8.24        | 845        | 15.4         | <20                     | <20          | <40          | <20          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 2/9/1996        | 3.8  | 34              | 7.54        | 751        | 11.3         | <20                     | <20          | <40          | <20          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 6/19/1996       | 2.2  | <100            | 8.25        | 632        | 14.2         | <20                     | <20          | <20          | <20          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 8/21/1996       | 1.7  | <5              | 8.94        | 691        | 14.6         | <20                     | <20          | <20          | 50           | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 11/13/1996      | 40.0   | <5              | 7.66        | 977        | 7.6          | <20                     | <20          | <20          | 40           | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 5/6/1997        | 2.0  | <100            | 6.80        | 610        | 11.0         | <10                     | <10          | 9            | <10          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 11/6/1997       | 3.0  | <100            | 6.00        | 620        | 10.0         | <10                     | <10          | 31           | <10          | 160          | 15        | --            | 2           | <0.005            | <0.020          | 25          |    |
|                 | 5/4/1998        | 2.0  | <5              | 6.38        | 558        | 12.2         | <10                     | <10          | <5           | <10          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 11/5/1998       | 5.0  | <10             | 6.50        | 639        | 9.8          | <10                     | <10          | <5           | 70           | <10          | <5        | 29,700        | --          | --                | --              | --          |    |
|                 | 12/23/1998      | --   | --              | --          | --         | --           | --                      | --           | --           | --           | --           | --        | --            | 2           | <0.005            | <0.020          | 21          |    |
|                 | 4/26/1999       | 3.6  | <100            | 8.10        | 552        | 13.3         | <10                     | <10          | <5           | <10          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | Duplicate       | 4/26/1999  | 3.0             | <100        | NS         | NS           | NS                      | <10          | <10          | <5           | <10          | --        | --            | --          | --                | --              | --          | -- |
|                 | Duplicate       | 11/5/1999  | 3.4             | <100        | 7.40       | 546          | 13.3                    | <10          | <10          | <5           | <10          | 80        | 14            | 34,700      | 3                 | <0.005          | <0.020      | 26 |
| B-23DR          | Duplicate       | 11/5/1999  | 3.1             | <100        | NS         | NS           | <10                     | <10          | <5           | <10          | 90           | 15        | 33,300        | 3           | <0.005            | <0.020          | 25          |    |
|                 | 4/26/2000       | 3.2  | <100            | 7.90        | 800        | 13.7         | <10                     | <10          | <5           | <10          | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 12/8/2000       | 2.0  | <10             | 6.99        | 570        | 7.0          | <10                     | <10          | 7            | <10          | 60           | --        | 35,400        | 2           | <0.005            | <0.020          | 22          |    |
|                 | 5/15/2001       | 3.2  | <100            | 7.88        | 790        | 13.1         | <10                     | <10          | <5           | 10           | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 10/17/2001      | 1.8  | <100            | 7.46        | 600        | 11.3         | <10                     | <10          | <5           | <10          | 170          | --        | 32,800        | 2           | <0.005            | <0.020          | 23          |    |
|                 | 5/16/2002       | 5.4  | <100            | 7.19        | 1200       | 11.2         | <10                     | <10          | <5           | 10           | --           | --        | --            | --          | --                | --              | --          |    |
|                 | 11/7/2002       | NS   | NS              | NS          | NS         | NS           | NS                      | NS           | NS           | NS           | NS           | NS        | NS            | NS          | NS                | NS              | NS          |    |
|                 | Duplicate       | 6/3/2003   | 3.9             | <30         | 6.86       | 640          | 12.9                    | <5           | <5           | <5           | <5           | --        | --            | --          | --                | --              | --          |    |
|                 | Duplicate       | 6/3/2003   | 3.7             | <30         | --         | --           | --                      | <5           | <5           | <5           | <5           | --        | --            | --          | --                | --              | --          | -- |
|                 | Duplicate       | 11/13/2003                                       | NS              | NS          | NS         | NS           | NS                      | NS           | NS           | NS           | NS           | NS        | NS            | NS          | NS                | NS              | NS          | NS |
|                 | Duplicate       | 6/30/2004  | NS              | NS          | NS         | NS           | NS                      | NS           | NS           | NS           | NS           | NS        | NS            | NS          | NS                | NS              | NS          | NS |
|                 | Duplicate       | 12/10/2004                                       | 2.0             | <30         | 6.66       | 640          | 11.3                    | <5           | <5           | 11           | 10           | 500       | 65            | 30,500      | 2                 | <0.005          | <0.010      | 25 |
|                 | B-23DR          | 6/7/2005   | 2.0             | <30         | 7.34       | 594          | 12.2                    | <5           | <5           | <5           | <5           | 2,520     | 49            | 20,600      | 25                | <0.005          | <0.010      | 60 |
|                 | Duplicate       | 6/7/2005   | 2.0             | <30         | --         | --           | --                      | <5           | <5           | <5           | <5           | 2,580     | 48            | 20,600      | 25                | <0.005          | <0.010      | 59 |
| Duplicate       | 12/8/2005       | 3.8  | <30             | 6.22        | 700        | 6.1          | 7                       | <4           | <5           | <10          | 370          | 60        | 39,200        | --          | --                | --              | --          |    |
| Duplicate       | 6/27/2006       | 1.2  | <30             | 7.12        | 760        | 13.4         | 5                       | <4           | <5           | 5            | 2,280        | 50        | 20,500        | 26          | <0.005            | 0.010           | 67          |    |
| Duplicate       | 11/30/2006      | 2.2  | <30             | 7.56        | 568        | 11.8         | <5                      | <4           | <5           | 6            | --           | --        | --            | --          | --                | --              | --          |    |
| Duplicate       | 6/8/2007        | 1.1  | 33.7            | 6.49        | 736        | 13.1         | 7                       | 1            | 1            | 5            | 1,100        | 43        | 23,800        | 28          | <0.005            | <0.010          | 62          |    |
| Duplicate       | 11/16/2007      | <1   | <30             | 7.28        | 780        | 21.4         | 2                       | 1            | 3            | 8            | --           | --        | --            | --          | --                | --              | --          |    |
| Duplicate       | 6/26/2008       | 2.0  | 27.2            | 7.00        | 753        | 18.2         | <5                      | 1            | <5           | <5           | 1,850        | 44        | 23,700        | 22          | <0.005            | <0.010          | 54          |    |
| Duplicate       | 11/21/2008      | <1   | <30             | 6.74        | 763        | 6.0          | <5                      | <1           | <5           | 19           | --           | --        | --            | --          | --                | --              | --          |    |
| Duplicate       | 6/25/2009       | <1   | <30             | 6.73        | 776        | 18.9         | <5                      | <1           | <5           | <5           | 1,500        | 43        | 23,900        | 29          | <0.005            | <0.010          | 63          |    |
| Duplicate       | 11/18/2009      | 2.0  | <30             | 7.22        | 756        | 11.9         | <5                      | <4           | <5           | 10           | --           | --        | --            | --          | --                | --              | --          |    |
| Duplicate       | 6/16/2010       | 2.0  | <30             | 7.36        | 747        | 18.2         | <5                      | <4           | <5           | <5           | 950          | 35        | 23,200        | 20          | <0.005            | <0.020          | 45          |    |
| Duplicate       | 11/11/2010      | 2.0  | 21.5            | 7.28        | 743        | 12.8         | 11                      | <4           | <5           | <5           | --           | --        | --            | --          | --                | --              | --          |    |
| Duplicate       | 11/11/2010      | 2.0  | <30             | 7.28        | 742        | 12.8         | 11                      | <4           | <5           | <5           | --           | --        | --            | --          | --                | --              | --          |    |
| Duplicate       | 6/21/2011       | 1.2  | <30             | 7.33        | 721        | 18.0         | 8                       | <4           | <5           | <5           | 1,520        | 37        | 22,400        | 22          | <0.005            | <0.010          | 48          |    |
| Replicate       | 6/21/2011       | --   | --              | --          | --         | --           | <5                      | --           | --           | --           | --           | --        | --            | --          | --                | --              | --          |    |
| Replicate       | 11/15/2011      | 1.0  | 49              | 7.19        | 721        | 13.1         | <5                      | <4           | <5           | 8            | --           | --        | --            | --          | --                | --              | --          |    |
| Replicate       | 6/26/2012       | 1.0  | <40             | 6.78        | 748        | 12.7         | <5                      | <4           | <5           | <5           | 1,810        | 42        | 25,100        | 25          | <0.005            | <0.02           | 50          |    |
| Replicate       | 12/5/2012       | 1.6  | <40             | 6.63        | 755        | 9.6          | <5                      | <4           | <5           | 7            | --           | --        | --            | --          | --                | --              | --          |    |
| Replicate       | 6/3/2013        | 1.4  | 14              | 7.06        | 720        | 15.4         | <5                      | <4           | <5           | <5           | 980          | 32        | 23,500        | 20          | <0.005            | <0.02           | 44          |    |
| Replicate       | 11/5/2013       | 1.4  | 4               | 7.32        | 746        | 12.6         | <5                      | <4           | <5           | 28           | --           | --        | --            | --          | --                | --              | --          |    |
| Replicate       | 6/25/2014       | 3.0  | <30             | 7.31        | 746        | 13.9         | <5                      | <5           | 6            | 5            | 970          | 36        | 10,900        | 26          | <0.005            | 0.025           | 51          |    |
| Replicate       | 6/24/2015       | 1.9  | <30             | 7.16        | 747        | 14.9         | <5                      | <5           | <5           | <5           | 1,370        | 39        | 24,300        | 22          | <0.005            | <0.02           | 47          |    |
| Replicate       | 6/22/2016       | 1.5  | 60              | 7.10        | 788        | 14.6         | <5                      | <5           | <5           | <5           | 1,600        | 38        | 23,500        | 30          | <0.005            | <0.02           | 54          |    |
| Replicate       | 6/21/2017       | 1.5  | <30             | 7.41        | 844        | 12.8         | <5                      | <5           | <5           | <5           | 400          | 45        | 27,300        | 38          | <0.005            | <0.02           | 64          |    |
| Replicate       | 6/14/2018       | 1.3  | <60             | 6.92        | 865        | 15.9         | <5                      | <5           | <5           | <5           | 2,320        | 53        | 30,100        | 43          | <0.005            | <0.02           | 65          |    |
| Replicate       | 6/4/2019        | 2.6  | <150            | 7.61        | 803        | 12.3         | <5                      | <5           | <5           | <5           | 830          | 42        | 28,300        | 44          | <0.004            | <0.02           | 71          |    |
| Replicate       | 6/16/2020       | 2.7  | <40             | 7.51        | 822        | 15.0         | <5                      | <5           | <5           | <5           | 1,840        | 42        | 28,200        | 40          | <0.004            | <0.02           | 68          |    |
| Replicate       | 6/9/2021        | 3.5  | 3.84 J          | 7.45        | 842        | 14.9         | <5                      | <5           | <5           | <5           | 1,860        | 42        | 28,100        | 34          | <0.004            | <0.02           | 62          |    |
| Replicate       | 6/9/2022        | 3.6  | <10             | 7.12        | 828        | 13.5         | <5                      | <5           | <5           | <5           | 1,870        | 41        | 25,600        | 34          | <0.004            | <0.02           | 64          |    |
| Replicate       | 6/8/2023        | 1.4  | 8.44 J          | 7.22        | 809        | 13.6         | <5                      | 6            | <5           | 7            | 1,710        | 38        | 26,900        | 33          | <0.004            | <0.02           | 58          |    |
| Replicate       | 6/5/2024        | <1.0   | <10.0           | 7.28        | 802        | 13.69        | <5                      | <5           | <5           | <5           | 1,790        | 45        | 26,200        | 33.4        | <0.004            | <0.02           | 62.2        |    |
|                 | <b>6/4/2025</b> | <b>1.1</b>                                       | <b>&lt;10.0</b> | <b>7.32</b> | <b>802</b> | <b>13.95</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>&lt;5</b> | <b>1,940</b> | <b>42</b> | <b>23,300</b> | <b>35.3</b> | <b>&lt;0.004</b>  | <b>&lt;0.02</b> | <b>60.4</b> |    |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date    | Indicator Parameters                             |            |       |       |       | Dissolved Metals (µg/L) |           |         |       |        | Inorganics (mg/L) |        |          |         |         |         |     |
|-----------------|----------------|--|------------|-------|-------|-------|-------------------------|-----------|---------|-------|--------|-------------------|--------|----------|---------|---------|---------|-----|
|                 |                | TOC (mg/L)                                       | TOX (µg/L) | pH    | SpC   | Temp  | Cr                      | Cu        | Ni      | Zn    | Fe     | Mn                | Na     | Chloride | Cyanide | Phenols | Sulfate |     |
|                 |                | EGLE Residential Drinking Water Criteria & RBSLs |            |       |       |       | 100 (A)                 | 1,000 (E) | 100 (A) | 2,400 |        |                   |        |          |         |         |         |     |
| B-24            | 6/21/1995      | --   | --         | --    | --    | --    | --                      | --        | --      | --    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 8/31/1995      | --   | --         | --    | --    | --    | --                      | --        | --      | --    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 2/9/1996       | --   | --         | --    | --    | --    | --                      | --        | --      | --    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/19/1996      | --   | --         | --    | --    | --    | --                      | --        | --      | --    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 8/21/1996      | 5.6  | <5         | 7.80  | 1,502 | 12.7  | <20                     | <20       | <20     | 90    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 11/13/1996     | 20.0   | <5         | 7.09  | 2,030 | 7.8   | <20                     | <20       | <20     | 50    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 5/6/1997       | 5.0  | <100       | 6.40  | 1,700 | 10.0  | <10                     | <10       | 31      | 10    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 11/6/1997      | --   | --         | --    | --    | --    | --                      | --        | --      | --    | --     | --                | --     | NS       | NS      | NS      | NS      | NS  |
|                 | 5/4/1998       | 4.0  | <5         | 6.52  | 1,410 | 11.6  | <10                     | <10       | 8       | 20    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 11/5/1998      | 4.0  | 23         | 5.50  | 1,595 | 10.4  | <10                     | <10       | 9       | 20    | 60     | 120               | 27,700 | --       | --      | --      | --      | --  |
|                 | 12/23/1998     | --   | --         | --    | --    | --    | --                      | --        | --      | --    | --     | --                | --     | 163      | <0.005  | <0.020  | 205     | --  |
|                 | 4/26/1999      | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | --       | --      | --      | --      | --  |
|                 | 11/5/1999      | NS   | NS         | 7.20  | 1,152 | 13.8  | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | NS       | NS      | NS      | NS      | NS  |
|                 | 4/26/2000      | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | --       | --      | --      | --      | --  |
|                 | 12/8/2000      | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | NS       | NS      | NS      | NS      | NS  |
|                 | 5/15/2001      | NS   | NS         | 6.40  | 1,450 | 12.9  | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | --       | --      | --      | --      | --  |
| 10/17/2001      | NS             | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | NS       | NS      | NS      | NS      |     |
| 5/16/2002       | NS             | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | --     | --       | --      | --      | --      |     |
| 11/7/2002       | NS             | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | NS       | NS      | NS      | NS      |     |
| 6/3/2003        | NS             | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | --     | --       | --      | --      | --      |     |
| 11/13/2003      | NS             | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | NS       | NS      | NS      | NS      |     |
| 6/30/2004       | NS             | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | --     | --       | --      | --      | --      |     |
| 12/9/2004       | NS             | NS   | NS         | NS    | NS    | NS    | NS                      | NS        | NS      | NS    | NS     | NS                | NS     | NS       | NS      | NS      | NS      |     |
| B-24R           | 6/7/2005       | 8.0  | <30        | 7.27  | 857   | 10.6  | 8                       | <5        | <5      | <5    | 10,600 | 448               | 27,100 | 49       | <0.005  | <0.010  | 206     |     |
|                 | 12/8/2005      | 6.6  | <30        | 5.16  | 1,120 | 11.9  | 11                      | <4        | <5      | 10    | 3,180  | 210               | 28,700 | --       | --      | --      | --      |     |
|                 | 6/28/2006      | 4.7  | <30        | 7.31  | 1,080 | 11.9  | 6                       | <4        | <5      | <5    | 3,760  | 210               | 27,700 | 48       | <0.005  | <0.010  | 182     |     |
|                 | 11/30/2006     | 4.8  | 30         | 7.31  | 1,100 | 11.7  | 6                       | <4        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      |     |
|                 | 6/4/2007       | 4.5  | 110        | 7.19  | 1,080 | 11.0  | 9                       | 2         | 2       | 19    | 2,400  | 194               | 27,900 | 47       | <0.005  | <0.010  | 184     |     |
|                 | 11/13/2007     | 4.1  | 30.1       | 7.13  | 1,130 | 14.0  | 3                       | 1         | 5       | 7     | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/26/2008      | 4.3  | <30        | 6.99  | 1,130 | 19.0  | <5                      | 1         | <5      | 8     | 3,490  | 175               | 39,600 | 46       | <0.005  | <0.010  | 189     |     |
|                 | 11/18/2008     | 3.8  | <30        | 6.76  | 1,125 | 5.3   | <5                      | <1        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/24/2009      | 5.2  | <30        | 6.62  | 1,120 | 17.4  | <5                      | <1        | <5      | <5    | 4,000  | 155               | 38,400 | 48       | <0.005  | <0.010  | 201     |     |
|                 | 11/18/2009     | 5.0  | 86.4       | 7.08  | 1,140 | 12.9  | <5                      | <4        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/16/2010      | 4.0  | 22.7       | 7.02  | 1,150 | 16.3  | <5                      | <4        | <5      | <5    | 1,880  | 222               | 39,500 | 46       | <0.005  | <0.020  | 196     |     |
|                 | 11/9/2010      | 5.0  | 26.8       | 6.90  | 1,136 | 13.5  | 11                      | <4        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/21/2011      | 3.7  | <30        | 7.11  | 1,136 | 17.5  | 10                      | <4        | 6       | <5    | 1,130  | 255               | 51,700 | 45       | <0.005  | <0.010  | 206     |     |
|                 | Duplicate      | 6/21/2011  | 3.7        | <30   | 7.11  | 1,137 | 17.5                    | 8         | <4      | 6     | <5     | 1,070             | 255    | 52,000   | 45      | <0.005  | <0.010  | 206 |
|                 | Replicate      | 6/21/2011  | --         | --    | --    | --    | --                      | <5        | --      | --    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | Dup. Replicate | 6/21/2011  | --         | --    | --    | --    | --                      | <5        | --      | --    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 11/16/2011     | 4.0  | 24         | 7.69  | 1,141 | 11.1  | <5                      | <4        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/26/2012      | 3.5  | 16         | 6.80  | 1,219 | 13.7  | <5                      | <4        | <5      | <5    | 1,200  | 242               | 72,000 | 45       | <0.005  | <0.02   | 219     |     |
|                 | 12/6/2012      | 4.2  | 48         | 6.98  | 1,204 | 10.2  | <5                      | <4        | <5      | 6     | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/3/2013       | 4.0  | 4.8        | 7.19  | 1,127 | 11.4  | <5                      | <4        | <5      | <5    | 110    | 130               | 38,600 | 45       | <0.005  | <0.02   | 227     |     |
|                 | 11/5/2013      | 4.0  | 5.5        | 7.16  | 1,203 | 12.6  | <5                      | <4        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | Duplicate      | 11/5/2013  | 4.0        | <10   | 7.16  | 1,203 | 12.6                    | <5        | <4      | <5    | <5     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/24/2014      | 3.7  | 16         | 7.10  | 1,202 | 13.9  | <5                      | 8         | 8       | 9     | 60     | 238               | 24,300 | 45       | <0.005  | <0.02   | 243     |     |
|                 | Duplicate      | 6/24/2014  | 3.7        | 16    | 7.10  | 1,201 | 13.9                    | <5        | <5      | 7     | <5     | 8                 | 231    | 25,000   | 46      | <0.005  | <0.02   | 240 |
|                 | 11/19/2014     | 3.9  | 21         | 6.98  | 1,290 | 5.44  | <5                      | <4        | 11      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/24/2015      | 3.5  | <30        | 7.03  | 1,235 | 15.4  | <5                      | <5        | 7       | <5    | <20    | 240               | 59,600 | 44       | <0.005  | <0.02   | 261     |     |
|                 | 11/18/2015     | 3.6  | 19         | 7.03  | 1,234 | 12.9  | <5                      | <5        | 5       | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | Duplicate      | 11/18/2015                                       | 3.5        | 18    | 7.03  | 1,233 | 12.9                    | <5        | <5      | 6     | 7      | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/23/2016      | 3.2  | 110        | 6.88  | 1,275 | 15.0  | <5                      | <5        | <5      | <5    | 320    | 210               | 67,800 | 45       | <0.005  | <0.02   | 245     |     |
|                 | 11/29/2016     | 3.4  | 12         | 7.19  | 1,220 | 10.7  | <5                      | <5        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/20/2017      | 3.1  | 14         | 7.10  | 1,307 | 11.4  | <5                      | <5        | <5      | <5    | <20    | 74                | 74,400 | 48       | <0.005  | <0.02   | 246     |     |
|                 | 11/7/2017      | 3.4  | <30        | 7.09  | 1,231 | 11.3  | <5                      | <5        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 6/12/2018      | 2.9  | <60        | 7.07  | 1,280 | 11.4  | <5                      | <5        | <5      | 7     | 100    | 64                | 64,500 | 47       | <0.005  | <0.02   | 240     |     |
|                 | 11/7/2018      | 3.7  | <150       | 7.22  | 1,269 | 11.0  | <5                      | <5        | <5      | <5    | --     | --                | --     | --       | --      | --      | --      | --  |
|                 | 5/30/2019      | 4.7  | <150       | 7.17  | 1,161 | 11.2  | <5                      | <5        | <5      | 13    | 540    | 108               | 70,100 | 46       | <0.004  | <0.02   | 249     |     |
|                 | 11/21/2019     | 4.0  | 59         | 7.26  | 1,216 | 11.8  | <5                      | <5        | <5      | 7     | --     | --                | --     | --       | --      | --      | --      | --  |
| 6/17/2020       | 5.4            | <40  | 7.38       | 1,125 | 14.9  | <5    | <5                      | <5        | 6       | 70    | 44     | 62,600            | 49     | <0.004   | <0.02   | 271     |         |     |
| Duplicate       | 11/5/2020      | 5.2  | 18.5       | 7.07  | 1,257 | 14.4  | <5                      | <5        | <5      | --    | --     | --                | --     | --       | --      | --      | --      |     |
| 11/5/2020       | 5.2            | 4.26   | 7.07       | 1,226 | 14.4  | <5    | <5                      | <5        | <5      | --    | --     | --                | --     | --       | --      | --      | --      |     |
| 6/10/2021       | 5.3            | 11.4   | 7.24       | 1,295 | 17.8  | <5    | <5                      | <5        | 7       | 170   | 54     | 67,600            | 49     | <0.004   | <0.02   | 258     |         |     |
| 11/5/2021       | 4.0            | 9.72 J   | 7.21       | 1,008 | 11.9  | <5    | <5                      | <5        | <5      | --    | --     | --                | --     | --       | --      | --      | --      |     |
| Duplicate       | 11/5/2021      | 3.6  | 7.92 J     | 7.21  | 1,210 | 11.9  | <5                      | <5        | <5      | 6     | --     | --                | --     | --       | --      | --      | --      |     |
| 6/8/2022        | 7.3            | 17.7   | 7.09       | 1,320 | 12.89 | <5    | <5                      | <5        | 10      | 30    | 45     | 62,900            | 50     | <0.004   | <0.02   | 264     |         |     |
| 11/2/2022       | 5.2            | 33.5   | 6.97       | 1,186 | 13.84 | <5    | <5                      | <5        | 10      | --    | --     | --                | 46     | --       | --      | --      | --      |     |
| 6/8/2023        | 2.7            | 12.8   | 7.04       | 1,370 | 19.47 | <5    | 9                       | 12        | 10      | 30    | 20     | 67,800            | 51     | <0.004   | <0.02   | 287     |         |     |
| 11/8/2023       | 3.2            | 11.1   | 7.29       | 1,330 | 7.94  | <5    | <5                      | <5        | 6       | --    | --     | --                | --     | --       | --      | --      | --      |     |
| 6/5/2024        | 2.7            | 3.54 J   | 7.35       | 1,316 | 18.36 | <5    | <5                      | <5        | 7       | <20   | 58     | 67,400            | 48.5   | <0.004   | <0.02   | 294     |         |     |
| 11/6/2024       | 2.7            | 4.12 J   | 7.20       | 1,194 | 14.6  | <5    | <5                      | <5        | 6       | --    | --     | --                | --     | --       | --      | --      | --      |     |
| Duplicate       | 11/6/2024      | 2.9  | 17         | 7.20  | 1,303 | 14.6  | <5                      | <5        | <5      | 6     | --     | --                | --     | --       | --      | --      | --      |     |
| 6/5/2025        | 2.5            | 11.2   | 6.92       | 1,367 | 14.3  | <5    | <5                      | <5        | 10      | 40    | 69     | 62,900            | 48.8   | <0.004   | <0.02   | 289     |         |     |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date     | Indicator Parameters                             |                 |             |            |              | Dissolved Metals (µg/L) |              |              |              |           |              |           | Inorganics (mg/L) |                 |                  |                 |             |
|-----------------|-----------------|--|-----------------|-------------|------------|--------------|-------------------------|--------------|--------------|--------------|-----------|--------------|-----------|-------------------|-----------------|------------------|-----------------|-------------|
|                 |                 | TOC (mg/L)                                       | TOX (µg/L)      | pH          | SpC        | Temp         | Cr                      | Cu           | Ni           | Zn           | Fe        | Mn           | Na        | Chloride          | Cyanide         | Phenols          | Sulfate         |             |
|                 |                 | EGLE Residential Drinking Water Criteria & RBSLs |                 |             |            |              | 100 (A)                 | 1,000 ( E )  | 100 (A)      | 2,400        |           |              |           |                   |                 |                  |                 |             |
| B-27D           | 12/8/2005       | 3.7  | <30             | 5.14        | 714        | 4.8          | 9                       | <4           | 6            | <10          | 240       | 140          | 34,200    | --                | --              | --               | --              |             |
|                 | 6/27/2006       | 1.3  | <30             | 7.11        | 644        | 13.5         | 6                       | <4           | 7            | 6            | 1,050     | 110          | 32,300    | --                | --              | --               | --              |             |
|                 | 11/30/2006      | <1   | <30             | 7.49        | 540        | 11.7         | <5                      | <4           | <5           | 6            | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 6/8/2007        | 4.0  | 25.7            | 6.58        | 628        | 14.6         | 9                       | 2            | 3            | 36           | 1,520     | 58           | 36,300    | 4                 | <0.005          | <0.010           | 23              |             |
|                 | 11/15/2007      | 1.9  | <30             | 7.33        | 649        | 11.6         | 2                       | 1            | 5            | 32           | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 6/26/2008       | 1.7  | <30             | 7.05        | 659        | 16.3         | <5                      | <1           | <5           | <5           | 300       | 59           | 33,900    | 2                 | <0.005          | <0.010           | 23              |             |
|                 | 11/21/2008      | 1.3  | <30             | 6.81        | 667        | 6.6          | <5                      | <1           | <5           | <5           | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 6/25/2009       | <1   | <30             | 6.79        | 651        | 16.5         | <5                      | 1            | <5           | <5           | 2,030     | 52           | 37,200    | 2                 | <0.005          | <0.010           | 20              |             |
|                 | 11/18/2009      | 2.0  | <30             | 7.29        | 653        | 11.2         | <5                      | <4           | <5           | <5           | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 6/15/2010       | 2.0  | <30             | 7.41        | 646        | 15.7         | <5                      | <4           | <5           | <5           | 1,250     | 36           | 32,200    | 2                 | <0.005          | <0.020           | 19              |             |
| Duplicate       | 6/15/2010       | 2.0  | 31.2            | 7.41        | 652        | 15.7         | <5                      | <4           | <5           | <5           | 1,220     | 35           | 31,700    | 2                 | <0.005          | <0.020           | 20              |             |
|                 | 11/9/2010       | 2.0  | <30             | 7.18        | 651        | 13.3         | 10                      | <4           | <5           | <5           | --        | --           | --        | --                | --              | --               | --              |             |
| Replicate       | 6/21/2011       | 1.5  | <30             | 7.47        | 640        | 15.6         | 9                       | <4           | <5           | <5           | 1,370     | 29           | 34,600    | <5                | <0.005          | <0.010           | 19              |             |
|                 | 6/21/2011       | --   | --              | --          | --         | --           | <5                      | --           | --           | --           | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 11/15/2011      | 1.0  | 34              | 7.22        | 652        | 12.1         | <5                      | <4           | 6            | 8            | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 6/26/2012       | 1.5  | <40             | 7.17        | 653        | 13.0         | <5                      | <4           | <5           | <5           | 1,450     | 28           | 34,200    | <5                | <0.005          | <0.02            | 20              |             |
|                 | 12/5/2012       | 1.7  | <40             | 6.79        | 654        | 11.0         | <5                      | <4           | <5           | 10           | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 6/3/2013        | 1.5  | 4.3             | 8.34        | 645        | 12.1         | <5                      | <4           | <5           | <5           | 1,670     | 29           | 32,500    | <5                | <0.005          | <0.02            | 21              |             |
|                 | 11/5/2013       | 1.8  | <10             | 7.37        | 640        | 12.0         | <5                      | <4           | <5           | 28           | --        | --           | --        | --                | --              | --               | --              |             |
|                 | 6/24/2014       | 1.9  | <30             | 7.40        | 637        | 16.0         | <5                      | <5           | <5           | <5           | 680       | 34           | 15,800    | <5                | <0.005          | <0.02            | 18              |             |
|                 | 6/22/2015       | 1.8  | <30             | 7.20        | 635        | 14.2         | <5                      | <5           | <5           | <5           | 710       | 27           | 34,100    | <5                | <0.005          | <0.02            | 18              |             |
|                 | 6/22/2016       | 1.6  | 30              | 7.20        | 640        | 14.1         | <5                      | <5           | <5           | <5           | 930       | 20           | 33,200    | <5                | <0.005          | <0.02            | 15              |             |
|                 | 6/20/2017       | 1.4  | <30             | 7.40        | 642        | 14.7         | <5                      | <5           | <5           | <5           | 1,220     | 43           | 35,600    | <5                | <0.005          | <0.02            | 17              |             |
|                 | 6/12/2018       | 1.7  | <60             | 7.16        | 667        | 12.6         | <5                      | <5           | <5           | 6            | 1,380     | 33           | 43,700    | <5                | <0.005          | <0.02            | 16              |             |
| Duplicate       | 6/4/2019        | 3.5  | <150            | 7.61        | 638        | 12.4         | <5                      | <5           | <5           | <5           | 1,040     | 32           | 47,500    | <5                | <0.004          | <0.02            | 15              |             |
|                 | 6/17/2020       | 3.4  | <40             | 7.67        | 622        | 12.6         | <5                      | <5           | <5           | <5           | 1,180     | 28           | 35,700    | <10               | <0.004          | <0.02            | 17              |             |
|                 | 6/11/2021       | 2.8  | 8.52 J          | 7.51        | 660        | 13.5         | <5                      | <5           | <5           | <5           | 1,300     | 28           | 39,400    | <10               | <0.004          | <0.02            | 14              |             |
|                 | 6/11/2021       | 2.5  | 10.4            | 7.51        | 635        | 13.5         | <5                      | <5           | <5           | <5           | 1,440     | 31           | 40,400    | <10               | <0.004          | <0.02            | 14              |             |
|                 | 6/9/2022        | 3.9  | <10             | 7.31        | 646        | 13.5         | <5                      | <5           | <5           | <5           | 970       | 19           | 35,900    | <10               | <0.004          | <0.02            | 17              |             |
|                 | 6/8/2023        | 1.4  | 3.82 J          | 7.36        | 638        | 12.7         | <5                      | <5           | <5           | <5           | 950       | 27           | 39,100    | <10               | <0.004          | <0.02            | 17              |             |
|                 | 6/5/2024        | <1.0   | <10.0           | 7.43        | 645        | 13.66        | <5                      | <5           | <5           | <5           | 910       | 18           | 40,500    | <10               | <0.004          | <0.02            | 18.9            |             |
|                 | <b>6/4/2025</b> | <b>1.1</b>                                       | <b>&lt;10.0</b> | <b>7.46</b> | <b>650</b> | <b>12.93</b> | <b>&lt;5</b>            | <b>&lt;5</b> | <b>&lt;5</b> | <b>&lt;5</b> | <b>24</b> | <b>1,080</b> | <b>20</b> | <b>33,000</b>     | <b>&lt;10.0</b> | <b>&lt;0.004</b> | <b>&lt;0.02</b> | <b>15.6</b> |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date | Indicator Parameters                             |            |      |     |       | Dissolved Metals (µg/L) |             |         |       |       |     |        | Inorganics (mg/L) |         |         |         |
|-----------------|-------------|--|------------|------|-----|-------|-------------------------|-------------|---------|-------|-------|-----|--------|-------------------|---------|---------|---------|
|                 |             | TOC (mg/L)                                       | TOX (µg/L) | pH   | SpC | Temp  | Cr                      | Cu          | Ni      | Zn    | Fe    | Mn  | Na     | Chloride          | Cyanide | Phenols | Sulfate |
|                 |             | EGLE Residential Drinking Water Criteria & RBSLs |            |      |     |       | 100 (A)                 | 1,000 ( E ) | 100 (A) | 2,400 |       |     |        |                   |         |         |         |
| Duplicate       | 11/21/2005  | --   | --         | 6.21 | 994 | 12.3  | --                      | --          | --      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 11/21/2005  | --   | --         | 6.21 | --  | 12.3  | --                      | --          | --      | 7     | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/27/2006   | 3.0  | <30        | 7.12 | 828 | 13.2  | 5                       | <4          | <5      | 18    | 2,380 | 210 | 17,000 | --                | --      | --      | --      |
|                 | 12/1/2006   | 2.4  | <30        | 7.48 | 812 | 12.3  | <5                      | <4          | <5      | 5     | --    | --  | --     | --                | --      | --      | --      |
| Duplicate       | 12/1/2006   | 3.3  | <30        | 7.48 | 810 | 12.3  | <5                      | <4          | <5      | --    | --    | --  | --     | --                | --      | --      | --      |
| B-28            | 6/5/2007    | 2.1  | <30        | 6.84 | 845 | 10.6  | 9                       | 2           | 3       | 6     | 1,690 | 160 | 25,100 | 12                | <0.005  | <0.010  | 87      |
|                 | 11/15/2007  | 2.5  | 15         | 6.81 | 816 | 9.1   | 3                       | 2           | 5       | 11    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/27/2008   | 1.8  | <30        | 6.87 | 840 | 17.6  | <5                      | 1           | <5      | 5     | 370   | 84  | 16,300 | 10                | <0.005  | <0.010  | 88      |
|                 | 11/19/2008  | 1.1  | <30        | 6.75 | 804 | 7.0   | <5                      | <1          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/24/2009   | 1.1  | <30        | 6.96 | 822 | 19.5  | <5                      | <1          | <5      | <5    | 204   | 132 | 14,600 | 10                | <0.005  | <0.010  | 84      |
|                 | 11/18/2009  | 2.0  | <30        | 6.94 | 814 | 11.6  | <5                      | <4          | <5      | 20    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/16/2010   | 2.0  | <30        | 7.02 | 841 | 17.6  | <5                      | <4          | <5      | <5    | 790   | 173 | 19,100 | 12                | <0.005  | <0.020  | 78      |
|                 | 11/10/2010  | 3.0  | <30        | 7.05 | 813 | 13.3  | 18                      | <4          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/21/2011   | 1.5  | <30        | 7.23 | 837 | 14.1  | 9                       | <4          | 5       | <5    | 1,380 | 130 | 23,400 | 12                | <0.005  | <0.010  | 80      |
| Replicate       | 6/21/2011   | --   | --         | --   | --  | --    | <5                      | --          | --      | --    | --    | --  | --     | --                | --      | --      | --      |
|                 | 11/15/2011  | 2.0  | 160        | 7.17 | 823 | 12.5  | <5                      | <4          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/26/2012   | 2.0  | <40        | 6.45 | 849 | 13.0  | <5                      | <4          | <5      | <5    | 1,960 | 84  | 29,800 | 12                | <0.005  | <0.02   | 80      |
| Duplicate       | 12/6/2012   | 1.6  | <40        | 7.25 | 823 | 11.4  | <5                      | <4          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 12/6/2012   | 1.7  | <40        | 7.25 | 823 | 11.4  | <5                      | <4          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/3/2013    | 1.5  | 10         | 6.88 | 834 | 13.1  | <5                      | <4          | 5       | <5    | 1,310 | 111 | 26,000 | 12                | <0.005  | <0.02   | 87      |
|                 | 11/5/2013   | 1.6  | <10        | 7.26 | 842 | 12.9  | <5                      | <4          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/24/2014   | 1.5  | <30        | 7.03 | 852 | 12.2  | <5                      | 9           | <5      | <5    | 1,490 | 53  | 15,400 | 12                | <0.005  | <0.02   | 89      |
| Replicate       | 7/28/2014   | --   | --         | --   | --  | --    | <5                      | <5          | --      | --    | --    | --  | --     | --                | --      | --      | --      |
|                 | 11/19/2014  | 1.6  | <60        | 7.05 | 844 | 7.48  | <5                      | <4          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/22/2015   | 1.5  | <30        | 7.04 | 860 | 13.4  | <5                      | <5          | <5      | <5    | 3,330 | 53  | 37,100 | 11                | <0.005  | <0.02   | 92      |
|                 | 11/18/2015  | 1.6  | <30        | 7.13 | 849 | 13.8  | <5                      | <5          | <5      | 6     | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/24/2016   | 1.6  | 49         | 7.18 | 866 | 15.0  | <5                      | <5          | <5      | <5    | 4,960 | 53  | 45,800 | 11                | <0.005  | <0.02   | 92      |
|                 | 11/29/2016  | 1.5  | <30        | 7.27 | 853 | 12.6  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
| Duplicate       | 11/29/2016  | 1.5  | 16         | 7.27 | 860 | 12.6  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/20/2017   | 1.6  | 18         | 7.05 | 863 | 11.4  | <5                      | <5          | <5      | <5    | 80    | 35  | 30,000 | 13                | <0.005  | <0.02   | 106     |
|                 | 11/7/2017   | 1.6  | <30        | 7.11 | 859 | 12.5  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
| Duplicate       | 11/7/2017   | 1.5  | <30        | 7.11 | 867 | 12.5  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/12/2018   | 1.6  | <60        | 7.09 | 839 | 12.2  | <5                      | <5          | <5      | <5    | 60    | 27  | 14,600 | 12                | <0.005  | <0.02   | 100     |
|                 | 11/7/2018   | 1.5  | <150       | 7.37 | 880 | 11.8  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
| Duplicate       | 11/7/2018   | 1.6  | <150       | 7.37 | 880 | 11.8  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 5/29/2019   | 3.4  | <150       | 7.39 | 803 | 11.0  | <5                      | <5          | <5      | <5    | 50    | 84  | 16,200 | 13                | <0.004  | <0.02   | 118     |
| Duplicate       | 11/21/2019  | 2.1  | <40        | 7.34 | 839 | 12.2  | <5                      | <5          | <5      | 5     | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/16/2020   | 2.8  | 41         | 7.38 | 862 | 14.4  | <5                      | <5          | <5      | <5    | 110   | 74  | 14,200 | 13                | <0.004  | <0.02   | 142     |
|                 | 11/5/2020   | 3.8  | <10        | 7.09 | 904 | 13.8  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/9/2021    | 3.6  | 8.14 J     | 7.12 | 936 | 15.1  | <5                      | <5          | <5      | <5    | 280   | 82  | 14,900 | 11                | <0.004  | <0.02   | 161     |
|                 | 11/5/2021   | 2.2  | <10        | 7.26 | 674 | 12.2  | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/7/2022    | 5.1  | 9.16 J     | 6.97 | 936 | 11.09 | <5                      | <5          | <5      | <5    | 810   | 93  | 20,100 | 12                | <0.004  | <0.02   | 166     |
|                 | 11/2/2022   | 3.1  | 6.34 J     | 6.90 | 936 | 15.15 | <5                      | 9           | <5      | 6     | --    | --  | --     | 11 L              | --      | --      | --      |
| Re-sample       | 12/2/2022   | --   | --         | --   | --  | --    | <5                      | <5          | --      | --    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/8/2023    | 1.6  | <10        | 7.05 | 949 | 16.41 | <5                      | <5          | 8       | 8     | 30    | 85  | 19,300 | 11                | <0.004  | <0.02   | 172     |
|                 | 11/8/2023   | 1.6  | 13.4       | 7.13 | 946 | 12.52 | <5                      | <5          | <5      | <5    | --    | --  | --     | --                | --      | --      | --      |
|                 | 6/4/2024    | 1.1  | <10        | 7.16 | 938 | 11.80 | <5                      | <5          | <5      | <5    | 930   | 85  | 18,400 | 11.3              | <0.004  | <0.02   | 169     |
|                 | 6/3/2025    | 1.3  | 10.9       | 7.18 | 879 | 11.48 | <5                      | <5          | <5      | <5    | 1,140 | 67  | 11,400 | 10.9              | <0.004  | <0.02   | 172     |

See notes on page 13.

**TABLE 2**  
**RACER Trust - Coldwater Road**  
**Post-Closure Monitoring - Historical Analytical Results**  
**Physical Parameters, TOC, TOX, Metals, Chloride, Cyanide, Phenols, and Sulfate**

| Monitoring Well | Sample Date | Indicator Parameters                             |            |      |          |      | Dissolved Metals (µg/L) |             |         |       |      |        |       | Inorganics (mg/L) |         |         |         |
|-----------------|-------------|--|------------|------|----------|------|-------------------------|-------------|---------|-------|------|--------|-------|-------------------|---------|---------|---------|
|                 |             | TOC (mg/L)                                       | TOX (µg/L) | pH   | SpC      | Temp | Cr                      | Cu          | Ni      | Zn    | Fe   | Mn     | Na    | Chloride          | Cyanide | Phenols | Sulfate |
|                 |             | EGLE Residential Drinking Water Criteria & RBSLs |            |      |          |      | 100 (A)                 | 1,000 ( E ) | 100 (A) | 2,400 |      |        |       |                   |         |         |         |
| Equipment Blank | 12/10/2004  | <1   | <30        | --   | --       | --   | <5                      | <5          | <5      | 11    | <20  | 13     | 810   | <2                | <0.005  | <0.010  | <2      |
|                 | 6/8/2005    | <1   | <30        | --   | --       | --   | <5                      | <5          | <5      | <5    | <20  | <5     | 120   | <5                | <0.005  | <0.010  | <5      |
|                 | 12/8/2005   | <1   | <30        | --   | 5        | --   | <5                      | <4          | <5      | <10   | <100 | <20    | <1000 | --                | --      | --      | --      |
|                 | 6/28/2006   | <1   | <30        | --   | 12       | --   | <5                      | <4          | <5      | <5    | <100 | <20    | <1000 | <1                | <0.005  | <0.010  | <1      |
|                 | 12/1/2006   | <1   | <30        | --   | 26       | --   | <5                      | <4          | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/8/2007    | <1   | 26         | --   | 13       | --   | <5                      | 1           | 1       | 13    | <20  | 11     | 340   | <2                | <0.005  | <0.010  | <2      |
|                 | 11/15/2007  | <1   | <30        | --   | 4        | --   | <5                      | 1           | 1       | 9     | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/26/2008   | <1   | <30        | --   | 3        | --   | <5                      | 1           | <5      | <5    | 100  | 7      | 420   | <2                | <0.005  | <0.010  | <2      |
|                 | 11/19/2008  | <1   | <30        | --   | 6        | --   | <5                      | 1           | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/25/2009   | <1   | <30        | --   | 24       | --   | <5                      | <1          | <5      | <5    | 110  | <5     | 200   | <2                | <0.005  | <0.010  | <2      |
|                 | 11/19/2009  | 0.7  | <30        | --   | 5        | --   | <5                      | <4          | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/17/2010   | 0.4  | <30        | --   | 4        | --   | <5                      | <4          | <5      | <5    | <20  | <5     | <200  | <2                | <0.005  | <0.020  | <2      |
|                 | 11/11/2010  | 1  | <30        | --   | 1.2      | --   | <5                      | <4          | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/22/2011   | 0.88   | <30        | --   | 3        | --   | <5                      | <4          | <5      | <5    | <20  | <5     | 460   | <2                | <0.005  | <0.010  | <2      |
|                 | 11/16/2011  | <1   | 4.9        | --   | 1,330    | --   | <5                      | <4          | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/27/2012   | <1   | <20        | --   | 3        | --   | <5                      | <4          | <5      | 13    | 50   | <5     | 6,350 | <2                | <0.005  | <0.02   | <2      |
|                 | 12/6/2012   | <1   | <40        | --   | 17.0     | --   | <5                      | <4          | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/6/2013    | <1   | <10        | --   | 1,370    | --   | <5                      | <4          | <5      | <5    | <20  | <5     | <500  | <2                | <0.005  | <0.02   | <2      |
|                 | 11/6/2013   | <1   | <10        | --   | 2,350    | --   | <5                      | <4          | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/24/2014   | <1   | <30        | --   | 1,930    | --   | <5                      | <5          | <5      | <5    | <20  | <5     | <1000 | <2.5              | <0.005  | <0.02   | <2.5    |
|                 | 6/24/2015   | <1   | <30        | --   | 4.09     | --   | <5                      | <5          | <5      | <5    | <20  | <5     | 140   | <2                | <0.005  | <0.02   | <2      |
|                 | 6/24/2016   | <1   | 6.2        | --   | 2,220    | --   | <5                      | <5          | <5      | <5    | <20  | <5     | <500  | <2.5              | <0.005  | <0.02   | <2      |
|                 | 6/22/2017   | <1   | <30        | --   | 5,780    | --   | <5                      | <5          | <5      | <5    | <20  | <5     | <200  | <5                | <0.005  | <0.02   | <5      |
|                 | 11/7/2017   | <1   | <30        | --   | 7.07     | --   | <5                      | <5          | <5      | <5    | --   | --     | --    | --                | --      | --      | --      |
|                 | 6/14/2018   | 1.2  | <60        | --   | 28.8     | --   | <5                      | <5          | <5      | <5    | <20  | <5     | <250  | <2.5              | <0.005  | <0.02   | <2.5    |
|                 | 6/3/2019    | <1   | <150       | --   | 2.63     | --   | <5                      | <5          | <5      | <5    | <20  | <5     | 530   | <2.5              | <0.004  | <0.02   | <2.5    |
|                 | 6/18/2020   | <1   | <40        | --   | 3.31     | --   | <5                      | <5          | <5      | <5    | <20  | <5     | <500  | <2.5              | <0.004  | <0.02   | <2.5    |
|                 | 6/11/2021   | <1   | <10        | --   | 1,400.00 | --   | <5                      | <5          | <5      | <5    | <20  | <5     | <500  | <2.5              | <0.004  | <0.02   | <2.5    |
| 6/10/2022       | <1          | <10  | --         | <1   | --       | <5   | <5                      | <5          | <5      | <20   | <5   | <2,500 | <2.5  | <0.004            | <0.02   | <2.5    |         |
| 6/13/2023       | <1          | <10  | --         | 1.5  | --       | <5   | <5                      | <5          | <5      | <20   | <5   | <5,000 | <2.5  | <0.004            | <0.02   | <2.5    |         |
| 6/10/2024       | <1.0        | <10.0  | --         | 1.67 | --       | <5   | <5                      | <5          | <5      | <20   | <5   | <5,000 | <10   | <0.004            | <0.02   | <10     |         |
| 6/10/2025       | <1.0        | <10.0  | --         | 4.55 | --       | <5   | <5                      | <5          | <5      | <20   | <5   | <500   | <10.0 | <0.004            | <0.02   | <10     |         |

- 1) < = Not detected.
- 2) NS = Not sampled, insufficient liquid encounter
- 3) NR = No Result, insufficient sample volume.
- 4) T = Temperature in degrees Celsius.
- 5) -- = Not analyzed.
- 6) Dup = Duplicate sample.
- 7) A = Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.
- 8) E = C.
- 9) J = Value is estimated.
- 10) L= Elevated reporting limit due to low sample amount
- 11) Monitoring wells B-19 and B-24 were replaced on March 15, 2005.



**TABLE 3**  
**RACER Trust - Coldwater Road**  
**Landfill Leachate Sumps - Analytical Results**  
**Volatile Organic Compounds (µg/L)**

| Parameter                      | B-7      | B-9      | B-18A    | MW-DUP-1-<br>20250606<br>(B-18A) | OBG MW-16D | B-19Ar   | B-20D    | B-21D    |
|--------------------------------|----------|----------|----------|----------------------------------|------------|----------|----------|----------|
|                                | 6-Jun-25 | 6-Jun-25 | 6-Jun-25 | 6-Jun-25                         | 5-Jun-25   | 5-Jun-25 | 5-Jun-25 | 5-Jun-25 |
| Acetone                        | <50      | <50      | <50      | <50                              | <50        | <50      | <50      | <50      |
| Acrylonitrile                  | <2       | <2       | <2       | <2                               | <2         | <2       | <2       | <2       |
| 2-Butanone                     | <25      | <25      | <25      | <25                              | <25        | <25      | <25      | <25      |
| Benzene                        | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| n-Butylbenzene                 | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Bromobenzene                   | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Bromochloromethane             | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Bromodichloromethane           | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Bromoform                      | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Bromomethane                   | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| sec-Butylbenzene               | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| tert-Butylbenzene              | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Carbon disulfide               | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Carbon tetrachloride           | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Chlorobenzene                  | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Chloroethane                   | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Chloroform                     | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Chloromethane                  | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| 1,1-Dichloroethane             | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,1-Dichloroethene             | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,2-Dibromo-3-chloropropane    | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| 1,2-Dibromoethane              | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,2-Dichlorobenzene            | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,2-Dichloroethane             | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,2-Dichloropropane            | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,3-Dichlorobenzene            | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,4-Dichlorobenzene            | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| cis-1,2-Dichloroethene         | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| cis-1,3-Dichloropropene        | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Dibromochloromethane           | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Dibromomethane                 | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Dichlorodifluoromethane        | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Diethyl ether                  | <10      | <10      | <10      | <10                              | <10        | <10      | <10      | <10      |
| trans-1,2-Dichloroethene       | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| trans-1,3-Dichloropropene      | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| trans-1,4-Dichloro-2-butene    | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Ethylbenzene                   | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 2-Hexanone                     | <50      | <50      | <50      | <50                              | <50        | <50      | <50      | <50      |
| Hexachloroethane               | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| p-Isopropyltoluene             | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Isopropylbenzene               | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| 2-Methylnapthalene             | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| 4-Methyl-2-pentanone           | <50      | <50      | <50      | <50                              | <50        | <50      | <50      | <50      |
| tert-Methyl butyl ether (MTBE) | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Methyl iodide                  | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Methylene chloride             | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| Napthalene                     | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| n-Propylbenzene                | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Styrene                        | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,1,1,2-Tetrachloroethane      | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,1,1-Trichloroethane          | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,1,2,2-Tetrachloroethane      | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,1,2-Trichloroethane          | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,2,3-Trichlorobenzene         | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| 1,2,3-Trichloropropane         | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,2,3-Trimethylbenzene         | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,2,4-Trichlorobenzene         | <5       | <5       | <5       | <5                               | <5         | <5       | <5       | <5       |
| 1,2,4-Trimethylbenzene         | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| 1,3,5-Trimethylbenzene         | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Tetrachloroethene              | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Tetrahydrofuran                | <90      | <90      | <90      | <90                              | <90        | <90      | <90      | <90      |
| Toluene                        | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Trichloroethene                | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Trichlorofluoromethane         | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| Vinyl chloride                 | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| o-Xylene                       | <1       | <1       | <1       | <1                               | <1         | <1       | <1       | <1       |
| p,m-Xylene                     | <2       | <2       | <2       | <2                               | <2         | <2       | <2       | <2       |

Notes:  
 Analysis in µg/L  
 EPA Method 8260 used for analysis.  
 Dup- Duplicate analysis

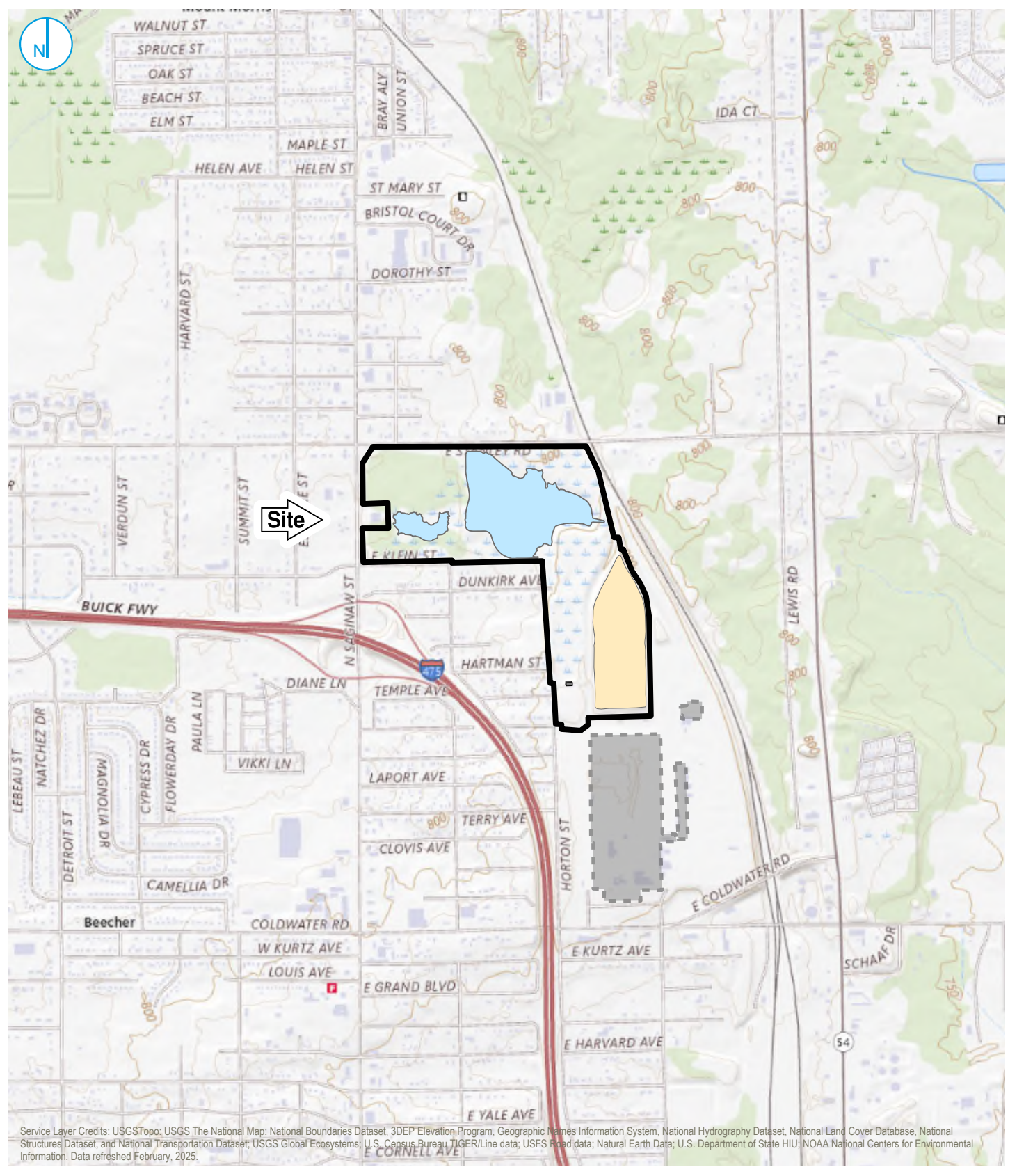


**TABLE 3**  
**RACER Trust - Coldwater Road**  
**Landfill Leachate Sumps - Analytical Results**  
**Volatile Organic Compounds (µg/L)**

| Parameter                      | B-22D    | B-23Dr   | B-24r    | B-27D    | B-28     | Trip Blank-20250603 | Trip Blank-20250606 | Trip Blank-20250606-2 | Trip Blank-20250606-3 |
|--------------------------------|----------|----------|----------|----------|----------|---------------------|---------------------|-----------------------|-----------------------|
|                                | 5-Jun-25 | 4-Jun-25 | 5-Jun-25 | 4-Jun-25 | 3-Jun-25 | 3-Jun-25            | 6-Jun-25            | 6-Jun-25              | 6-Jun-25              |
| Acetone                        | <50      | <50      | <50      | <50      | <50      | <50                 | <50                 | <50                   | <50                   |
| Acrylonitrile                  | <2       | <2       | <2       | <2       | <2       | <2                  | <2                  | <2                    | <2                    |
| 2-Butanone                     | <25      | <25      | <25      | <25      | <25      | <25                 | <25                 | <25                   | <25                   |
| Benzene                        | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| n-Butylbenzene                 | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Bromobenzene                   | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Bromochloromethane             | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Bromodichloromethane           | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Bromoform                      | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Bromomethane                   | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| sec-Butylbenzene               | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| tert-Butylbenzene              | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Carbon disulfide               | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Carbon tetrachloride           | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Chlorobenzene                  | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Chloroethane                   | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Chloroform                     | <1       | <1       | <1       | <1       | <1       | 2                   | <1                  | <1                    | <1                    |
| Chloromethane                  | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| 1,1-Dichloroethane             | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,1-Dichloroethene             | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,2-Dibromo-3-chloropropane    | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| 1,2-Dibromoethane              | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,2-Dichlorobenzene            | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,2-Dichloroethane             | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,2-Dichloropropane            | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,3-Dichlorobenzene            | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,4-Dichlorobenzene            | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| cis-1,2-Dichloroethene         | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| cis-1,3-Dichloropropene        | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Dibromochloromethane           | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Dibromomethane                 | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Dichlorodifluoromethane        | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Diethyl ether                  | <10      | <10      | <10      | <10      | <10      | <10                 | <10                 | <10                   | <10                   |
| trans-1,2-Dichloroethene       | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| trans-1,3-Dichloropropene      | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| trans-1,4-Dichloro-2-butene    | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Ethylbenzene                   | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 2-Hexanone                     | <50      | <50      | <50      | <50      | <50      | <50                 | <50                 | <50                   | <50                   |
| Hexachloroethane               | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| p-Isopropyltoluene             | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Isopropylbenzene               | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| 2-Methylnaphthalene            | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| 4-Methyl-2-pentanone           | <50      | <50      | <50      | <50      | <50      | <50                 | <50                 | <50                   | <50                   |
| tert-Methyl butyl ether (MTBE) | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Methyl iodide                  | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Methylene chloride             | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| Napthalene                     | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| n-Propylbenzene                | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Styrene                        | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,1,1,2-Tetrachloroethane      | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,1,1-Trichloroethane          | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,1,2,2-Tetrachloroethane      | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,1,2-Trichloroethane          | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,2,3-Trichlorobenzene         | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| 1,2,3-Trichloropropane         | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,2,3-Trimethylbenzene         | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,2,4-Trichlorobenzene         | <5       | <5       | <5       | <5       | <5       | <5                  | <5                  | <5                    | <5                    |
| 1,2,4-Trimethylbenzene         | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| 1,3,5-Trimethylbenzene         | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Tetrachloroethene              | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Tetrahydrofuran                | <90      | <90      | <90      | <90      | <90      | <90                 | <90                 | <90                   | <90                   |
| Toluene                        | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Trichloroethene                | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Trichlorofluoromethane         | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| Vinyl chloride                 | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| o-Xylene                       | <1       | <1       | <1       | <1       | <1       | <1                  | <1                  | <1                    | <1                    |
| p,m-Xylene                     | <2       | <2       | <2       | <2       | <2       | <2                  | <2                  | <2                    | <2                    |

Notes:  
 Analysis in µg/L  
 EPA Method 8260 used for analysis.  
 Dup- Duplicate analysis

## **FIGURES**



Service Layer Credits: USGS Topo; USGS The National Map; National Boundaries Dataset; 3DEP Elevation Program; Geographic Names Information System; National Hydrography Dataset; National Land Cover Database; National Structures Dataset; and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed February, 2025.

Map Scale: 1:24,000 | Map Center: 83°41'17"W 43°6'2"N



- PROPERTY BOUNDARY
- LANDFILL
- FORMER BUILDING
- FORMER POWERHOUSE
- SITE BUILDINGS
- PONDS



## SITE LOCATION

## FIGURE 1

**RACER TRUST**  
COLDWATER ROAD  
FLINT, MICHIGAN

RAMBOLL AMERICAS  
ENGINEERING SOLUTIONS, INC.  
A RAMBOLL COMPANY



KEY MAP (not to scale)



- ⊕ LANDFILL MONITORING WELL / PIEZOMETER
- ⊙ LANDFILL MONITORING WELL / PIEZOMETER
- ⊕ OTHER MONITORING WELL / PIEZOMETER
- ⊙ LEACHATE COLLECTION SUMP
- ACCESS PORT FOR LEAK DETECTION VAULT
- PROPERTY BOUNDARY
- FORMER BUILDING



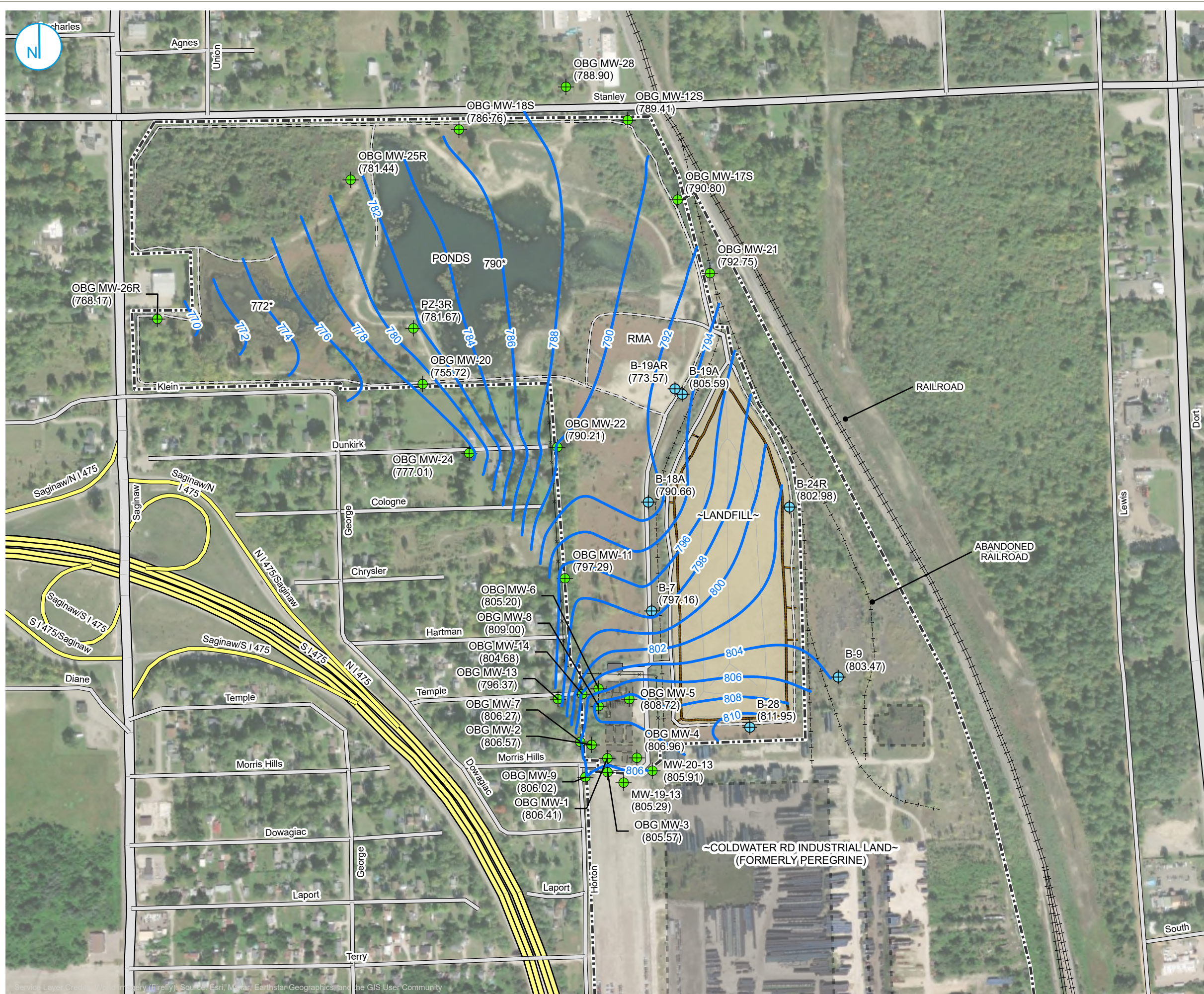
### SITE LAYOUT

RACER TRUST  
COLDWATER ROAD  
FLINT, MICHIGAN

### FIGURE 2

RAMBOLL AMERICAS  
ENGINEERING SOLUTIONS, INC.  
A RAMBOLL COMPANY





- ⊕ LANDFILL MONITORING WELL / PIEZOMETER
  - ⊕ OTHER MONITORING WELL / PIEZOMETER
  - GROUNDWATER CONTOUR (JUNE 2, 2025)
  - PROPERTY BOUNDARY
  - FORMER BUILDING
- (803.51) GROUNDWATER ELEVATION

**NOTES**  
 THE GROUNDWATER ELEVATION FOR MONITORING WELLS B-19A AND B-19AR WERE NOT USED IN DEVELOPING THE GROUNDWATER POTENTIOMETRIC SURFACE DUE TO THE DEPTH OF THESE WELLS AND VERTICAL GRADIENTS AT THE SITE.

THE GROUNDWATER ELEVATION FOR MONITORING WELL OBG MW-20 WAS NOT USED IN DEVELOPING THE GROUNDWATER POTENTIOMETRIC SURFACE DUE TO AN ANOMOUS READING.

THE ADDITIONAL SITE MONITORING WELLS WERE USED IN THE CREATION OF THE GROUNDWATER CONTOURS BUT ARE NOT PART OF THE LANDFILL MONITORING PROGRAM.

772\* - TRIGGER ELEVATION FOR POND DEWATERING.



**PERCHED ZONE GROUNDWATER ELEVATION MAP**  
 JUNE 2, 2025

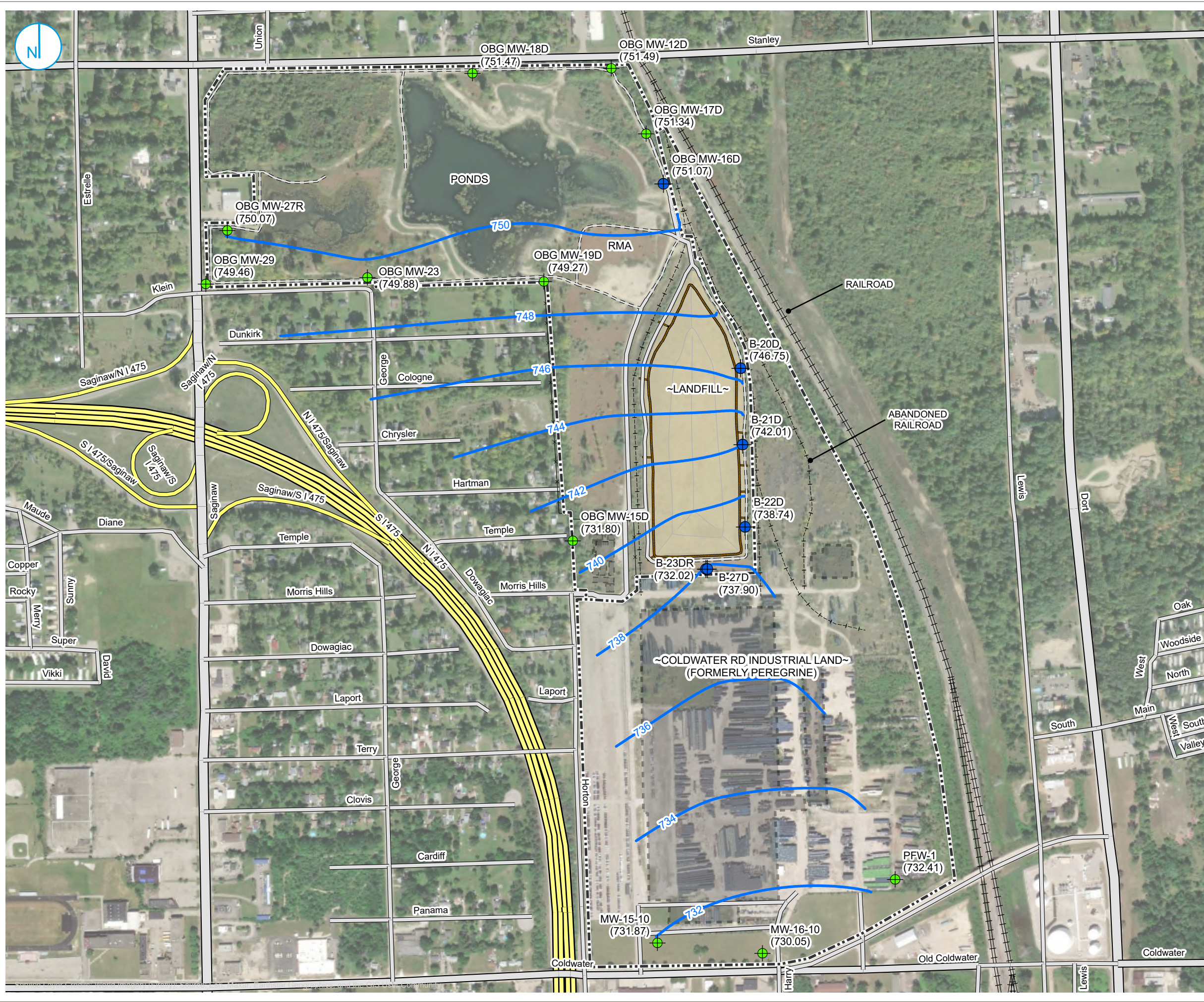
**RACER TRUST**  
 COLDWATER ROAD  
 FLINT, MICHIGAN

**FIGURE 3**

RAMBOLL AMERICAS  
 ENGINEERING SOLUTIONS, INC.  
 A RAMBOLL COMPANY



Service Layer Credits: Imagery (Firefly), Source: Esri, Mapbox, Earthstar Geographics, and the GIS User Community



- LANDFILL MONITORING WELL / PIEZOMETER
  - OTHER MONITORING WELL / PIEZOMETER
  - GROUNDWATER CONTOUR (JUNE 2, 2025)
  - PROPERTY BOUNDARY
  - FORMER BUILDING
- (800.93) GROUNDWATER ELEVATION

**NOTES**  
 THE GROUNDWATER ELEVATIONS FOR MONITORING WELLS B-23DR AND OBG MW-15D WERE NOT USED IN DEVELOPING THE GROUNDWATER POTENTIOMETRIC SURFACE DUE TO THE DEPTH OF THESE WELLS AND APPARENT VERTICAL GRADIENT WITHIN THE DRIFT UNIT.  
  
 THE ADDITIONAL SITE MONITORING WELLS WERE USED IN THE CREATION OF THE GROUNDWATER CONTOURS BUT ARE NOT PART OF THE LANDFILL MONITORING PROGRAM.



**DRIFT UNIT GROUNDWATER ELEVATION MAP**  
 JUNE 2, 2025

**RACER TRUST**  
 COLDWATER ROAD  
 FLINT, MICHIGAN

**FIGURE 4**

RAMBOLL AMERICAS  
 ENGINEERING SOLUTIONS, INC.  
 A RAMBOLL COMPANY



## **APPENDIX A SAMPLING PROCEDURES**

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## 1 Introduction

This procedure is for the collection of groundwater samples for laboratory analysis. The objective of most groundwater quality monitoring programs is to obtain samples that are representative of existing groundwater conditions, or samples that retain the physical and chemical properties of the groundwater within an aquifer.

One of the most important aspects of groundwater sampling is acquiring samples that are free of suspended silt, sediment, or other fine grained particulates. Fine grain materials may often have a variety of chemical components sorbed to the particle or have the ability to sorb chemicals from the aqueous phase to the particle, which will bias the subsequent analytical results.

Constituents known to have an affinity for fine-grained particulates are: polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), and inorganics. Monitoring programs where these constituents are suspected or known to be prevalent must employ sampling methods that minimize particulate presence.

The "Low Stress/Low Flow" purging and sampling method will be utilized to purge the well to allow representative water from the formation to replace the standing water within the sampling zone of the well. Experience has shown that the low stress/low flow technique typically achieves representative groundwater samples with minimal particulate interference.

Lastly, in extreme cases "ultra-low flow" techniques have been employed at select sites where low stress/low flow methods were used, yet particulate-sensitive constituents continue to bias the analytical results, or excessive drawdown is produced using standard low stress/low flow methods due to the presence of low permeability materials within a well's screened zone. Ultra-low flow techniques are conducted at purging rates below 100 ml per minute, and should only be utilized after low stress/low flow methods have been attempted (see Section 2.2 for further discussion on the purging of wells prior to sample collection).

## 2 Procedural Guidelines

The following describes techniques for groundwater sampling: Low Stress/Low Flow Methods. Low stress/low flow methods will be employed when it is critical to collect groundwater samples truly representative of the groundwater present, and to minimize the impact of sediment/colloid presence.

### 2.1 PREPARATORY REQUIREMENTS

Prior to groundwater sampling, an inspection will be performed on each well. The inspection will include:

- Inspecting the concrete pad for cracks
- Inspecting the protective steel cover
- Inspecting the integrity of the PVC well casing (to the extent possible)
- Inspecting the well caps
- Inspecting the well identification markings to confirm they are legible (if illegible, re-mark)
- Inspecting the locks to assess whether they are in good working condition.

Results of the well inspection will be documented on the Groundwater Sampling Log for each well. If the inspection indicates repairs are required, these will be performed prior to the next sampling event. Corrective actions implemented to repair well(s) will also be documented on the Groundwater Sampling Log and/or the field notebook for the facility.

Groundwater purging and sampling data will be recorded on the Groundwater Sampling Log.

### 2.2 WELL PURGING AND STABILIZATION MONITORING (LOW STRESS/LOW FLOW METHOD)

The procedure for sampling the monitoring wells is as follows:

- 1) Sampling equipment will first be decontaminated prior to each use by the following protocol:
  - Scrub equipment thoroughly in a low-sudsing detergent solution (e.g., Alconox). Pump low-sudsing detergent solution through submersible pump for approximately 5 minutes, if utilized
  - Rinse equipment thoroughly with distilled water, and pump distilled water through submersible pump, if utilized
  - Wrap equipment in plastic for handling and/or storage until next use
  - Decontamination of disposable tubing, if used, will not be necessary
- 2) Calibrate field instrument and document calibration activity. Calibration shall be performed in accordance with manufacturer's recommendations, and noted on the Groundwater Sampling Log

- 3) An electric water level probe will be used to measure the depth from the top of the casing to the top of water to the nearest 0.01-ft. The measurement will be recorded in a dedicated field notebook and Groundwater Sampling Log
- 4) Measure the depth from the top of casing to the bottom of the well for the initial sampling event
- 5) Slowly lower the pump and/or tubing into the well positioning the pump intake at the mid-point of the well screen taking care to minimize disturbing the well
- 6) During the purging of the well, monitor and record the field indicator parameters (pH, temperature, conductivity, oxidation-reduction (redox) reaction potential (ORP), dissolved oxygen (DO), and turbidity) approximately every 5 minutes. Stabilization is considered achieved when the final groundwater flow rate is achieved, and three consecutive readings for each parameter are within the following limits:
 

|              |   |
|--------------|---|
| pH           | ±0.1 pH units for three consecutive readings;   |
| temperature  | ±3 percent for three consecutive readings;  |
| conductivity | ±3 percent for three consecutive readings;  |
| ORP          | ±10 millivolts (mV) for three consecutive readings;   |
| DO           | ±10 percent for three consecutive readings; and   |
| Turbidity    | ±10 percent for three consecutive readings or a final value of less than 5 nephelometric turbidity units (NTU). |
- 7) Verify that drawdowns of 0.3 ft or less are maintained and make adjustments as necessary. Record drawdown measurements and note adjustments in pumping rates as necessary on the Groundwater Sampling Log. If drawdowns of 0.3 ft or less cannot be maintained utilize ultra-low flow purge techniques. However, if ultra-low flow purging still results in excessive drawdown, the well will be purged “dry” and allowed to recharge, and the sample will be collected as soon as sufficient water is present to obtain the necessary sample volume
- 8) Obtain a sample for chemical analyses immediately upon stabilization of field parameter measurements. Field filter the sample for dissolved metals using a 0.45-micron filter prior to preserving with acid. Samples are to be collected in the order of volatility as follows: TOC/TOX (or VOCs) and dissolved metals.

If after 2 hours of purging the indicator parameters have not stabilized, as recommended in the USEPA guidance, the purging will be discontinued and the sample will be collected with an explanation of attempts to achieve stabilization.

Either a decontaminated submersible pump or peristaltic pump (for shallow wells only) may be utilized to purge each well. If a submersible pump is utilized in the purging process, then it will be decontaminated prior to and after sampling each well. Sampling equipment must be protected from the

ground surface by a clean plastic sheet laid around the work area. Water from purging will not be containerized.

### **2.3 SAMPLE PRESERVATION**

Sample bottles will be labeled with sample identification, collection date and time, filtration/preservative status. Sample bottles will be filled and capped securely and immediately preserved (if required) and stored at 4 degrees Celsius in a cooler.

The cooler and samples will be prepared for shipment or transport by the following procedure:

- 1)** Prepare cooler(s) for shipment.
  - Tape drain(s) of cooler shut
  - Place mailing label with laboratory address on top of cooler(s).
- 2)** Arrange sample containers in a manner to prevent potential sample container breakage.
- 3)** Confirm the bottle labels are completed correctly. Place clear tape over bottle labels to prevent moisture accumulation from causing the label to peel off.
- 4)** Seal sample containers within plastic zip-lock bags to prevent packing material from contacting samples.
- 5)** Place packing material at the bottom of the cooler to act as a cushion for the sample containers.
- 6)** Fill remaining spaces with packing material.
- 7)** Confirm containers are firmly packed in cooler.
- 8)** If ice is required to preserve the samples, cubes should be repackaged in double zip-lock bags, and placed on top of the packing material.
- 9)** Sign COC form (or obtain signature) and indicate the time and date it was relinquished to Federal Express or other carrier, as appropriate.
- 10)** Separate copies of COC forms. Seal proper copies within a large zip-lock bag and tape to inside lid of cooler. Retain copies of forms in-house.
- 11)** Close lid and latch.
- 12)** Tape cooler shut on both ends, making several complete revolutions with strapping tape.
- 13)** Relinquish to Federal Express or other courier service. Retain airbill receipt for project records (Note: Samples will be shipped for "NEXT DAY" delivery).

If samples are delivered directly to the laboratory, or the laboratories in-house courier, by the sampling team, the packaging/shipping requirements may be omitted. COC procedures; however, must be strictly maintained.

#### **2.4 SAMPLE MANAGEMENT AND CHAIN-OF-CUSTODY**

COC procedures document the history of sample containers and samples from the time of preparation of sample containers through sample collection, shipment, and analysis. A sample is considered in custody if:

- The sample is in the sampler's physical possession
- The sample is secured by the sampler to prevent tampering
- The sample is secured by the sampler employee in an area that is restricted to authorized personnel.

To maintain a record of sample collection, transfer between personnel, shipment, and receipt by the laboratory, a COC record will be completed for each sample at each sampling location. Each time the samples are transferred, signatures of the person relinquishing and receiving the samples, as well as the date and time, will be documented.

Parallel field notebook/Groundwater Sampling Log and COC records will be maintained. Recorded information will include:

- Sampling Location
- Time and Date
- Sampling Method
- Method of Preservation.

Additionally, the field notebook will also include information on weather conditions, depth to water, total depth of the well, field parameter and instrument calibration records and other useful or pertinent information. The notebook will be kept at the facility or with their designated contractor.

#### **2.5 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) MEASURES**

Field QA/QC procedures will consist of collecting one equipment blank (if reusable equipment is used) and one duplicate sample (one additional sample from one of the wells) for each sampling event. The duplicate sample will be assigned a separate sample identification and submitted to the laboratory "blind".

The procedure for collecting an equipment blank will be to pass distilled water through the decontaminated sampling device into a laboratory-supplied sample bottles. An equipment blank sample will not be required if disposable sampling equipment is used.

### **3 References**

*USEPA Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures (EPA/540/S -95/504).*

*USEPA (Region 1) Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (EQASOP-GW 001), January 19, 2010.*

*USEPA RCRA Groundwater Monitoring: Draft Technical Guidance (EPA/530-R-93-001).*

*MDEQ RRD Operational Memorandum No. 2: Sampling and Analysis.*

**APPENDIX B  
GROUNDWATER SAMPLING LOGS**

**RAMBOLL** **Standard Groundwater Sampling Log**

Date 6/3/2025 | 6/6/2025  
 Site Name RACER Coldwater Rd Weather Sunny, 70's °F  
 Location Flint, MI Well # B-7  
 Project No. 1940107203 Evacuation Method Whale Pump-Peristaltic  
 Personnel ST Sampling Method Purged Dry

**Well Information:**  
 Depth of Well \* 29.94 ft. Water Volume /ft. for:  
 Depth to Water \* 16.51 | 21.25 ft. X 2" Diameter Well = 0.163 X LWC  
 Length of Water Column 13.43 ft. 4" Diameter Well = 0.653 X LWC  
 Volume of Water in Well 2.19 gal.(s) 6" Diameter Well = 1.469 X LWC  
 3X Volume of Water in Well 6.57 gal.(s)  
 Volume removed before sampling 5.25 gal.(s)  
 Did well go dry? yes  
 \* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:** Calibrated within range  
 pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | Drawdown measured<br><small>0.3 feet or less</small> | Temperature Celsius<br><small>±3 percent</small> | Conductivity mS/cm<br><small>±3 percent</small> | Dissolved Oxygen mg/L<br><small>±10 percent</small> | pH<br><small>±0.1 pH units</small> | ORP mV<br><small>±10 millivolts</small> | Turbidity NTUs<br><small>±10 percent</small> |
|---------|--|--|---|---|------------------------------------|---|--|
| initial | <u>19.45</u>   | initial <u>13.58</u>                             | initial <u>0.96</u>                             | initial <u>1.24</u>                                 | initial <u>7.28</u>                | initial <u>67.54</u>                    | initial <u>45.8</u>                          |
| 5 min   | <u>23.98</u>   | <u>11.66</u>                                     | <u>0.86</u>                                     | <u>5.79</u>   | <u>7.25</u>                        | <u>49.64</u>                            | <u>21.6</u>                                  |
| 10 min  | <u>DRY</u>   | <u>11.50</u>                                     | <u>1.05</u>                                     | <u>2.65</u>   | <u>7.21</u>                        | <u>49.92</u>                            |  |
| 15 min  |  |  |   |   |                                    |   |  |
| 20 min  |  |  |   |   |                                    |   |  |
| 25 min  | <u>22.70</u>   | <u>16.51</u>                                     | <u>1.06</u>                                     | <u>1.43</u>   | <u>7.36</u>                        | <u>67.23</u>                            | <u>13.20</u>                                 |
| 30 min  | <u>23.65</u>   | <u>12.60</u>                                     | <u>1.17</u>                                     | <u>0.94</u>   | <u>7.12</u>                        | <u>70.62</u>                            | <u>7.69</u>                                  |
| 35 min  |  |  |   |   |                                    |   |  |
| 40 min  |  |  |   |   |                                    |   |  |
| 45 min  |  |  |   |   |                                    |   |  |
| 50 min  |  |  |   |   |                                    |   |  |
| 55 min  |  |  |   |   |                                    |   |  |
| 60 min  |  |  |   |   |                                    |   |  |
| 65 min  |  |  |   |   |                                    |   |  |
| 70 min  |  |  |   |   |                                    |   |  |
| 75 min  |  |  |   |   |                                    |   |  |
| 80 min  |  |  |   |   |                                    |   |  |
| 85 min  |  |  |   |   |                                    |   |  |
| 90 min  |  |  |   |   |                                    |   |  |

**Water Sample:**  
 Time Collected 11:10  
 Physical Appearance at Start   Physical Appearance at Sampling  

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Color <u>Murky</u>                | Color <u>Clear</u>                |
| Odor <u>None</u>                  | Odor <u>None</u>                  |
| Turbidity (> 100 NTU) <u>45.8</u> | Turbidity (> 100 NTU) <u>7.69</u> |
| Sheen/Free Product <u>None</u>    | Sheen/Free Product <u>None</u>    |

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |
| PFAS  | 3         | 10 mL            | None                           |                |

Notes:  
 B-7-20250606  
 Landfill bottles plus PFAS

Date 6/3/2025 | 6/6/2025  
 Site Name RACER Coldwater Rd  
 Location Flint, MI  
 Project No. 1940107203  
 Personnel ST

Weather Sunny, 80's °F  
 Well # B-9  
 Evacuation Method Whale Pump-Peristaltic  
 Sampling Method Purged Dry

**Well Information:**

Depth of Well \* 25.16 ft.  
 Depth to Water \* 3.09 | 3.20 ft.  
 Length of Water Column 22.07 ft.  
 Volume of Water in Well 3.60 gal.(s)  
 3X Volume of Water in Well 10.79 gal.(s)

Water Volume /ft. for:  
 2" Diameter Well = 0.163 X LWC  
 4" Diameter Well = 0.653 X LWC  
 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 7.5 gal.(s)  
 Did well go dry? yes

\* Measurements taken from  Well Casing  Protective Casing  (Other, Specify)

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity mS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | <u>11.25</u>                                 | initial <u>12.12</u>                     | initial <u>1.64</u>                     | initial <u>0.20</u>                         | initial <u>6.96</u>        | initial <u>77.0</u>             | initial <u>106</u>                   |
| 5 min   | <u>18.55</u>                                 | <u>11.55</u>                             | <u>1.70</u>                             | <u>0.31</u>                                 | <u>6.86</u>                | <u>63.9</u>                     | <u>115</u>                           |
| 10 min  | <u>DRY</u>                                   | <u>11.61</u>                             | <u>1.69</u>                             | <u>2.09</u>                                 | <u>6.87</u>                | <u>26.5</u>                     |                                      |
| 15 min  |  |  |   |   |                            |                                 |                                      |
| 20 min  |  |  |   |   |                            |                                 |                                      |
| 25 min  | <u>4.30</u>                                  | <u>17.32</u>                             | <u>1.73</u>                             | <u>4.84</u>                                 | <u>7.28</u>                | <u>68.5</u>                     | <u>613</u>                           |
| 30 min  | <u>7.15</u>                                  | <u>12.16</u>                             | <u>1.91</u>                             | <u>4.50</u>                                 | <u>6.88</u>                | <u>77.4</u>                     | <u>250</u>                           |
| 35 min  | <u>9.75</u>                                  | <u>12.31</u>                             | <u>1.86</u>                             | <u>5.28</u>                                 | <u>6.86</u>                | <u>51.5</u>                     | <u>150</u>                           |
| 40 min  | <u>10.20</u>                                 | <u>12.18</u>                             | <u>1.84</u>                             | <u>5.68</u>                                 | <u>6.85</u>                | <u>50.0</u>                     | <u>112</u>                           |
| 45 min  | <u>11.50</u>                                 | <u>12.15</u>                             | <u>1.86</u>                             | <u>5.51</u>                                 | <u>6.84</u>                | <u>48.5</u>                     | <u>101</u>                           |
| 50 min  | <u>12.45</u>                                 | <u>12.06</u>                             | <u>1.92</u>                             | <u>4.81</u>                                 | <u>6.84</u>                | <u>63.5</u>                     | <u>108</u>                           |
| 55 min  | <u>13.40</u>                                 | <u>12.09</u>                             | <u>1.96</u>                             | <u>4.24</u>                                 | <u>6.82</u>                | <u>47.4</u>                     | <u>93.4</u>                          |
| 60 min  |  |  |   |   |                            |                                 |                                      |
| 65 min  |  |  |   |   |                            |                                 |                                      |
| 70 min  |  |  |   |   |                            |                                 |                                      |
| 75 min  |  |  |   |   |                            |                                 |                                      |
| 80 min  |  |  |   |   |                            |                                 |                                      |
| 85 min  |  |  |   |   |                            |                                 |                                      |
| 90 min  |  |  |   |   |                            |                                 |                                      |

**Water Sample:**

Time Collected 12:16

Physical Appearance at Start

Physical Appearance at Sampling

Color Cloudy Color Cloudy  
 Odor None Odor None  
 Turbidity (> 100 NTU) 106 Turbidity (> 100 NTU) 93.4  
 Sheen/Free Product None Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |
| PFAS  | 3         | 10 mL            | None                           |                |

Notes:

B-9-20250606  
 Landfill bottles plus PFAS

Date 6/3/2025 | 6/6/2025  
 Site Name RACER Coldwater Rd  
 Location Flint, MI  
 Project No. 1940107203  
 Personnel ST

Weather Sunny, 80's °F  
 Well # B-18A  
 Evacuation Method Whale Pump-Peristaltic  
 Sampling Method Purged Dry

**Well Information:**

Depth of Well \* 44.11 ft.  
 Depth to Water \* 19.92 | 29.00 ft.  
 Length of Water Column 24.19 ft.  
 Volume of Water in Well 3.94 gal.(s)  
 3X Volume of Water in Well 11.83 gal.(s)

Water Volume /ft. for:  
 X 2" Diameter Well = 0.163 X LWC  
 4" Diameter Well = 0.653 X LWC  
 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 7.0 gal.(s)  
 Did well go dry? Yes

\* Measurements taken from  Well Casing  Protective Casing  (Other, Specify)

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity mS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | 23.60  | initial 18.51                            | initial 0.81                            | initial 4.29                                | initial 7.33               | initial 76.8                    | initial 42.1                         |
| 5 min   | 26.50  | 12.16                                    | 0.91                                    | 3.39  | 7.23                       | 43.1                            | 15.3                                 |
| 10 min  | 30.82  | 12.12                                    | 0.89                                    | 2.77  | 7.18                       | 32.6                            | 8.0                                  |
| 15 min  | 35.34  | 12.17                                    | 0.89                                    | 2.94  | 7.18                       | 34.3                            | 12.5                                 |
| 20 min  | 39.28  | 12.39                                    | 0.90                                    | 2.90  | 7.17                       | 36.4                            | 21.7                                 |
| 25 min  | DRY  | 12.58                                    | 0.90                                    | 0.97  | 7.10                       | 29.7                            |                                      |
| 30 min  |  |  |   |   |                            |                                 |                                      |
| 35 min  |  |  |   |   |                            |                                 |                                      |
| 40 min  | 29.80  | 14.94                                    | 1.04                                    | 2.49  | 7.54                       | 62.2                            | 120                                  |
| 45 min  | 30.45  | 12.40                                    | 1.11                                    | 1.57  | 7.07                       | 65.5                            | 96.8                                 |
| 50 min  | 32.00  | 12.16                                    | 1.10                                    | 3.80  | 7.03                       | 59.6                            | 36.7                                 |
| 55 min  |  |  |   |   |                            |                                 |                                      |
| 60 min  |  |  |   |   |                            |                                 |                                      |
| 65 min  |  |  |   |   |                            |                                 |                                      |
| 70 min  |  |  |   |   |                            |                                 |                                      |
| 75 min  |  |  |   |   |                            |                                 |                                      |
| 80 min  |  |  |   |   |                            |                                 |                                      |
| 85 min  |  |  |   |   |                            |                                 |                                      |
| 90 min  |  |  |   |   |                            |                                 |                                      |

**Water Sample:**

Time Collected 9:05

Physical Appearance at Start

Physical Appearance at Sampling

Color Slightly Cloudy  
 Odor None  
 Turbidity (> 100 NTU) 42.1  
 Sheen/Free Product None

Color Slightly Cloudy  
 Odor None  
 Turbidity (> 100 NTU) 36.7  
 Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

Notes:

B-18A-20250606  
 Landfill bottles  
 MW-DUP-1-20250606

Date 6/3/2025 | 6/5/2025  
 Site Name RACER Coldwater Rd Weather Sunny, 80F  
 Location Flint, MI Well # B-19AR  
 Project No. 1940107203 Evacuation Method Whale Pump-Peristaltic  
 Personnel ST/LT Sampling Method Purged Dry

**Well Information:**

Depth of Well \* 47.15 ft. Water Volume /ft. for:  
 Depth to Water \* 38.21 | 43.55 ft.  2" Diameter Well = 0.163 X LWC  
 Length of Water Column 8.94 ft.  4" Diameter Well = 0.653 X LWC  
 Volume of Water in Well 1.46 gal.(s)  6" Diameter Well = 1.469 X LWC  
 3X Volume of Water in Well 4.37 gal.(s)  
 Volume removed before sampling 4.0 gal.(s)  
 Did well go dry? Yes  
 \* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | Drawdown measured<br>0.3 feet or less | Temperature Celsius<br>±3 percent | Conductivity mS/cm<br>±3 percent | Dissolved Oxygen mg/L<br>±10 percent | pH<br>±0.1 pH units | ORP mV<br>±10 millivolts | Turbidity NTUs<br>±10 percent |
|---------|---------------------------------------|-----------------------------------|----------------------------------|--------------------------------------|---------------------|--------------------------|-------------------------------|
| initial | <u>39.50</u>                          | initial <u>26.60</u>              | initial <u>0.789</u>             | initial <u>3.41</u>                  | initial <u>6.01</u> | initial <u>114.6</u>     | initial <u>55.5</u>           |
| 5 min   | <u>40.62</u>                          | <u>16.29</u>                      | <u>1.02</u>                      | <u>0.87</u>                          | <u>6.85</u>         | <u>57.4</u>              | <u>41.9</u>                   |
| 10 min  | <u>41.06</u>                          | <u>14.69</u>                      | <u>1.01</u>                      | <u>1.22</u>                          | <u>7.04</u>         | <u>68.8</u>              | <u>60.5</u>                   |
| 15 min  | <u>42.75</u>                          | <u>13.57</u>                      | <u>1.01</u>                      | <u>0.87</u>                          | <u>7.08</u>         | <u>63.1</u>              | <u>17.4</u>                   |
| 20 min  | <u>44.42</u>                          | <u>13.51</u>                      | <u>1.01</u>                      | <u>0.28</u>                          | <u>7.08</u>         | <u>54.5</u>              | <u>19.3</u>                   |
| 25 min  | <u>DRY</u>                            | <u>13.68</u>                      | <u>1.02</u>                      | <u>0.22</u>                          | <u>7.10</u>         | <u>37.5</u>              | <u>26.5</u>                   |
| 30 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 35 min  | <u>38.20</u>                          | <u>16.18</u>                      | <u>1.07</u>                      | <u>4.84</u>                          | <u>7.06</u>         | <u>69.87</u>             | <u>18.2</u>                   |
| 40 min  | <u>41.75</u>                          | <u>14.04</u>                      | <u>1.11</u>                      | <u>4.54</u>                          | <u>7.01</u>         | <u>66.08</u>             | <u>37.1</u>                   |
| 45 min  | <u>42.19</u>                          | <u>14.07</u>                      | <u>1.11</u>                      | <u>4.23</u>                          | <u>7.00</u>         | <u>65.94</u>             | <u>32.1</u>                   |
| 50 min  | <u>43.47</u>                          | <u>13.71</u>                      | <u>1.11</u>                      | <u>5.50</u>                          | <u>6.98</u>         | <u>68.47</u>             | <u>32.1</u>                   |
| 55 min  | <u>44.41</u>                          | <u>13.71</u>                      | <u>1.11</u>                      | <u>6.54</u>                          | <u>7.02</u>         | <u>69.54</u>             | <u>29.6</u>                   |
| 60 min  |                                       | <u>13.85</u>                      | <u>1.10</u>                      | <u>6.77</u>                          | <u>7.06</u>         | <u>71.91</u>             |                               |
| 65 min  |                                       | <u>15.34</u>                      | <u>1.10</u>                      | <u>7.17</u>                          | <u>7.02</u>         | <u>75.13</u>             |                               |
| 70 min  | <u>DRY</u>                            | <u>18.18</u>                      | <u>1.06</u>                      | <u>6.82</u>                          | <u>7.02</u>         | <u>78.37</u>             |                               |
| 75 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 80 min  | <u>43.55</u>                          | <u>22.61</u>                      | <u>1.05</u>                      | <u>3.91</u>                          | <u>7.02</u>         | <u>28.68</u>             | <u>21.8</u>                   |
| 85 min  | <u>43.91</u>                          | <u>16.93</u>                      | <u>1.09</u>                      | <u>5.01</u>                          | <u>6.98</u>         | <u>58.89</u>             | <u>20</u>                     |
| 90 min  |                                       |                                   |                                  |                                      |                     |                          |                               |

**Water Sample:**

Time Collected 14:41

Physical Appearance at Start

Physical Appearance at Sampling

Color Clear Color Clear  
 Odor None Odor None  
 Turbidity (> 100 NTU) 55.5 Turbidity (> 100 NTU) 20  
 Sheen/Free Product None Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

Notes:

B-19AR-20250605  
 Landfill bottles

Date 6/5/2025  
 Site Name RACER Coldwater Rd Weather Sunny, 60's °F  
 Location Flint, MI Well # B-20D  
 Project No. 1940107203 Evacuation Method Bladder Pump  
 Personnel ST Sampling Method Low Flow

**Well Information:**

Depth of Well \* 92.06 ft. Water Volume /ft. for:  
 Depth to Water \* 68.38 ft. X 2" Diameter Well = 0.163 X LWC  
 Length of Water Column 23.68 ft. 4" Diameter Well = 0.653 X LWC  
 Volume of Water in Well 3.86 gal.(s) 6" Diameter Well = 1.469 X LWC  
 3X Volume of Water in Well 11.58 gal.(s)  
 Volume removed before sampling 6 gal.(s)  
 Did well go dry? No  
 \* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:**

Calibrated within range  
 pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity mS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | <u>69.60</u>                                 | initial <u>15.58</u>                     | initial <u>0.70</u>                     | initial <u>0.56</u>                         | initial <u>7.48</u>        | initial <u>-69.2</u>            | initial <u>164</u>                   |
| 5 min   | <u>69.65</u>                                 | <u>12.72</u>                             | <u>0.77</u>                             | <u>0.18</u>                                 | <u>7.36</u>                | <u>-81.3</u>                    | <u>321</u>                           |
| 10 min  | <u>69.70</u>                                 | <u>12.44</u>                             | <u>0.78</u>                             | <u>0.12</u>                                 | <u>7.34</u>                | <u>-104.6</u>                   | <u>204</u>                           |
| 15 min  | <u>69.70</u>                                 | <u>12.33</u>                             | <u>0.78</u>                             | <u>0.10</u>                                 | <u>7.33</u>                | <u>-106.2</u>                   | <u>119</u>                           |
| 20 min  | <u>69.70</u>                                 | <u>12.21</u>                             | <u>0.78</u>                             | <u>0.08</u>                                 | <u>7.32</u>                | <u>-85.5</u>                    | <u>45.30</u>                         |
| 25 min  | <u>69.70</u>                                 | <u>12.21</u>                             | <u>0.78</u>                             | <u>0.07</u>                                 | <u>7.32</u>                | <u>-85.8</u>                    | <u>29.80</u>                         |
| 30 min  | <u>69.70</u>                                 | <u>12.24</u>                             | <u>0.78</u>                             | <u>0.06</u>                                 | <u>7.32</u>                | <u>-107.0</u>                   | <u>16.80</u>                         |
| 35 min  | <u>69.70</u>                                 | <u>12.27</u>                             | <u>0.78</u>                             | <u>0.06</u>                                 | <u>7.32</u>                | <u>-85.8</u>                    | <u>8.64</u>                          |
| 40 min  | <u>69.70</u>                                 | <u>12.31</u>                             | <u>0.78</u>                             | <u>0.06</u>                                 | <u>7.32</u>                | <u>-107.5</u>                   | <u>6.74</u>                          |
| 45 min  | <u>69.70</u>                                 | <u>12.35</u>                             | <u>0.78</u>                             | <u>0.05</u>                                 | <u>7.32</u>                | <u>-108.3</u>                   | <u>8.71</u>                          |
| 50 min  | <u>69.70</u>                                 | <u>12.35</u>                             | <u>0.78</u>                             | <u>0.05</u>                                 | <u>7.31</u>                | <u>-105.8</u>                   | <u>10.92</u>                         |
| 55 min  |  |  |   |   |                            |                                 |                                      |
| 60 min  |  |  |   |   |                            |                                 |                                      |
| 65 min  |  |  |   |   |                            |                                 |                                      |
| 70 min  |  |  |   |   |                            |                                 |                                      |
| 75 min  |  |  |   |   |                            |                                 |                                      |
| 80 min  |  |  |   |   |                            |                                 |                                      |
| 85 min  |  |  |   |   |                            |                                 |                                      |
| 90 min  |  |  |   |   |                            |                                 |                                      |

**Water Sample:**

Time Collected 14:15  
 Physical Appearance at Start \_\_\_\_\_ Physical Appearance at Sampling \_\_\_\_\_  
 Color Cloudy Color Clear  
 Odor None Odor None  
 Turbidity (> 100 NTU) 164 Turbidity (> 100 NTU) 10.92  
 Sheen/Free Product None Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

Notes:

B-20D-20250605  
 Landfill bottles

**Standard Groundwater Sampling Log**

Date 6/5/2025  
 Site Name RACER Coldwater Rd  
 Location Flint, MI  
 Project No. 1940107203  
 Personnel ST

Weather Cloudy, 70's °F  
 Well # B-21D  
 Evacuation Method Bladder Pump  
 Sampling Method Low Flow

**Well Information:**

Depth of Well \* 98.62 ft.  
 Depth to Water \* 79.00 ft.  
 Length of Water Column 19.62 ft.  
 Volume of Water in Well 3.20 gal.(s)  
 3X Volume of Water in Well 9.59 gal.(s)

Water Volume /ft. for:  
 2" Diameter Well = 0.163 X LWC  
 4" Diameter Well = 0.653 X LWC  
 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 7 gal.(s)  
 Did well go dry? No

\* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity mS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | <u>80.38</u>                                 | initial <u>12.86</u>                     | initial <u>0.67</u>                     | initial <u>4.44</u>                         | initial <u>7.44</u>        | initial <u>-65.87</u>           | initial <u>800</u>                   |
| 5 min   | <u>81.05</u>                                 | <u>11.65</u>                             | <u>0.67</u>                             | <u>0.21</u>                                 | <u>7.39</u>                | <u>-76.08</u>                   | <u>408</u>                           |
| 10 min  | <u>81.20</u>                                 | <u>11.57</u>                             | <u>0.69</u>                             | <u>0.13</u>                                 | <u>7.38</u>                | <u>-78.10</u>                   | <u>211</u>                           |
| 15 min  | <u>81.25</u>                                 | <u>11.57</u>                             | <u>0.71</u>                             | <u>0.11</u>                                 | <u>7.37</u>                | <u>-79.57</u>                   | <u>157</u>                           |
| 20 min  | <u>81.30</u>                                 | <u>11.59</u>                             | <u>0.72</u>                             | <u>0.08</u>                                 | <u>7.36</u>                | <u>-79.71</u>                   | <u>113</u>                           |
| 25 min  | <u>81.30</u>                                 | <u>11.57</u>                             | <u>0.73</u>                             | <u>0.07</u>                                 | <u>7.36</u>                | <u>-81.70</u>                   | <u>90.2</u>                          |
| 30 min  | <u>81.32</u>                                 | <u>11.57</u>                             | <u>0.73</u>                             | <u>0.06</u>                                 | <u>7.36</u>                | <u>-82.12</u>                   | <u>63.9</u>                          |
| 35 min  | <u>81.32</u>                                 | <u>11.62</u>                             | <u>0.74</u>                             | <u>0.06</u>                                 | <u>7.36</u>                | <u>-82.24</u>                   | <u>54.1</u>                          |
| 40 min  | <u>81.32</u>                                 | <u>11.66</u>                             | <u>0.74</u>                             | <u>0.05</u>                                 | <u>7.36</u>                | <u>-82.70</u>                   | <u>48.0</u>                          |
| 45 min  | <u>81.32</u>                                 | <u>11.70</u>                             | <u>0.74</u>                             | <u>0.04</u>                                 | <u>7.36</u>                | <u>-80.63</u>                   | <u>37.6</u>                          |
| 50 min  | <u>81.32</u>                                 | <u>11.74</u>                             | <u>0.74</u>                             | <u>0.05</u>                                 | <u>7.36</u>                | <u>-82.83</u>                   | <u>27.9</u>                          |
| 55 min  | <u>81.32</u>                                 | <u>11.84</u>                             | <u>0.75</u>                             | <u>0.04</u>                                 | <u>7.36</u>                | <u>-83.49</u>                   | <u>23.7</u>                          |
| 60 min  | <u>81.32</u>                                 | <u>11.80</u>                             | <u>0.75</u>                             | <u>0.04</u>                                 | <u>7.36</u>                | <u>-83.83</u>                   | <u>21.5</u>                          |
| 65 min  | <u>81.32</u>                                 | <u>11.78</u>                             | <u>0.75</u>                             | <u>0.04</u>                                 | <u>7.36</u>                | <u>-81.94</u>                   | <u>19.3</u>                          |
| 70 min  | <u>81.32</u>                                 | <u>11.85</u>                             | <u>0.75</u>                             | <u>0.04</u>                                 | <u>7.36</u>                | <u>-84.59</u>                   | <u>18.9</u>                          |
| 75 min  |  |  |   |   |                            |                                 |                                      |
| 80 min  |  |  |   |   |                            |                                 |                                      |
| 85 min  |  |  |   |   |                            |                                 |                                      |
| 90 min  |  |  |   |   |                            |                                 |                                      |
| 95 min  |  |  |   |   |                            |                                 |                                      |
| 100 min |  |  |   |   |                            |                                 |                                      |
| 105 min |  |  |   |   |                            |                                 |                                      |
| 110 min |  |  |   |   |                            |                                 |                                      |
| 115 min |  |  |   |   |                            |                                 |                                      |
| 120 min |  |  |   |   |                            |                                 |                                      |

**Water Sample:**

Time Collected 12:25

Physical Appearance at Start

Physical Appearance at Sampling

Color Murky/Brown  
 Odor None  
 Turbidity (> 100 NTU) 800  
 Sheen/Free Product None

Color Clear  
 Odor None  
 Turbidity (> 100 NTU) 18.9  
 Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

Notes:

B-21D-20250605  
 Landfill bottles

Date 6/5/2025  
 Site Name RACER Coldwater Rd  
 Location Flint, MI  
 Project No. 1940107203  
 Personnel ST

Weather Rain, 60s °F  
 Well # B-22D  
 Evacuation Method bladder pump  
 Sampling Method low flow

**Well Information:**

Depth of Well \* 99.30 ft.  
 Depth to Water \* 83.42 ft.  
 Length of Water Column 15.88 ft.  
 Volume of Water in Well 2.59 gal.(s)  
 3X Volume of Water in Well 7.77 gal.(s)

Water Volume /ft. for:  
 2" Diameter Well = 0.163 X LWC  
 4" Diameter Well = 0.653 X LWC  
 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 6 gal.(s)  
 Did well go dry? No

\* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity uS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | <u>84.22</u>                                 | initial <u>11.68</u>                     | initial <u>0.68</u>                     | initial <u>0.25</u>                         | initial <u>7.42</u>        | initial <u>-100.15</u>          | initial <u>72.30</u>                 |
| 5 min   | <u>84.28</u>                                 | <u>11.53</u>                             | <u>0.68</u>                             | <u>0.17</u>                                 | <u>7.42</u>                | <u>-123.70</u>                  | <u>58.90</u>                         |
| 10 min  | <u>84.30</u>                                 | <u>11.50</u>                             | <u>0.68</u>                             | <u>0.14</u>                                 | <u>7.41</u>                | <u>-97.15</u>                   | <u>42.40</u>                         |
| 15 min  | <u>84.30</u>                                 | <u>11.47</u>                             | <u>0.68</u>                             | <u>0.11</u>                                 | <u>7.41</u>                | <u>-122.93</u>                  | <u>30.80</u>                         |
| 20 min  | <u>84.30</u>                                 | <u>11.43</u>                             | <u>0.68</u>                             | <u>0.10</u>                                 | <u>7.41</u>                | <u>-97.17</u>                   | <u>18.90</u>                         |
| 25 min  | <u>84.30</u>                                 | <u>11.43</u>                             | <u>0.68</u>                             | <u>0.08</u>                                 | <u>7.41</u>                | <u>-96.32</u>                   | <u>14.30</u>                         |
| 30 min  | <u>84.30</u>                                 | <u>11.52</u>                             | <u>0.68</u>                             | <u>0.08</u>                                 | <u>7.41</u>                | <u>-121.10</u>                  | <u>10.80</u>                         |
| 35 min  | <u>84.30</u>                                 | <u>11.57</u>                             | <u>0.68</u>                             | <u>0.07</u>                                 | <u>7.41</u>                | <u>-96.34</u>                   | <u>7.60</u>                          |
| 40 min  | <u>84.30</u>                                 | <u>11.52</u>                             | <u>0.68</u>                             | <u>0.06</u>                                 | <u>7.41</u>                | <u>-94.70</u>                   | <u>6.31</u>                          |
| 45 min  | <u>84.30</u>                                 | <u>11.54</u>                             | <u>0.68</u>                             | <u>0.06</u>                                 | <u>7.41</u>                | <u>-120.08</u>                  | <u>6.83</u>                          |
| 50 min  | <u>84.30</u>                                 | <u>11.57</u>                             | <u>0.68</u>                             | <u>0.06</u>                                 | <u>7.42</u>                | <u>-120.61</u>                  | <u>4.26</u>                          |
| 55 min  | <u>84.30</u>                                 | <u>11.60</u>                             | <u>0.68</u>                             | <u>0.05</u>                                 | <u>7.41</u>                | <u>-96.00</u>                   | <u>5.56</u>                          |
| 60 min  | <u>84.30</u>                                 | <u>11.61</u>                             | <u>0.68</u>                             | <u>0.05</u>                                 | <u>7.42</u>                | <u>-94.81</u>                   | <u>3.98</u>                          |
| 65 min  | <u>84.30</u>                                 | <u>11.66</u>                             | <u>0.68</u>                             | <u>0.05</u>                                 | <u>7.42</u>                | <u>-94.18</u>                   | <u>3.05</u>                          |
| 70 min  | _____  | _____                                    | _____                                   | _____                                       | _____                      | _____                           | _____                                |
| 75 min  | _____  | _____                                    | _____                                   | _____                                       | _____                      | _____                           | _____                                |
| 80 min  | _____  | _____                                    | _____                                   | _____                                       | _____                      | _____                           | _____                                |
| 85 min  | _____  | _____                                    | _____                                   | _____                                       | _____                      | _____                           | _____                                |
| 90 min  | _____  | _____                                    | _____                                   | _____                                       | _____                      | _____                           | _____                                |
| 95 min  | _____  | _____                                    | _____                                   | _____                                       | _____                      | _____                           | _____                                |
| 100 min | _____  | _____                                    | _____                                   | _____                                       | _____                      | _____                           | _____                                |

**Water Sample:**

Time Collected 10:35

**Physical Appearance at Start**

**Physical Appearance at Sampling**

Color Slightly Cloudy  
 Odor None  
 Turbidity (> 100 NTU) 72.3  
 Sheen/Free Product None

Color Clear  
 Odor None  
 Turbidity (> 100 NTU) 3.05  
 Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

**Notes:**

B-22D-20250605  
 Landfill bottles

**Standard Groundwater Sampling Log**

Date 6/4/2025  
 Site Name RACER Coldwater Rd Weather Sunny, 80s °F  
 Location Flint, MI Well # B-23DR  
 Project No. 1940107203 Evacuation Method Bladder Pump  
 Personnel ST Sampling Method Low Flow

**Well Information:**

Depth of Well \* 110.55 ft. Water Volume /ft. for:  
 Depth to Water \* 80.07 ft. X 2" Diameter Well = 0.163 X LWC  
 Length of Water Column 30.48 ft. 4" Diameter Well = 0.653 X LWC  
 Volume of Water in Well 4.97 gal.(s) 6" Diameter Well = 1.469 X LWC  
 3X Volume of Water in Well 14.90 gal.(s)  
 Volume removed before sampling 4 gal.(s)  
 Did well go dry? No  
 \* Measurements taken from  Well Casing  Protective Casing  (Other, Specify)

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity mS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | <u>80.20</u>                                 | initial <u>19.45</u>                     | initial <u>0.69</u>                     | initial <u>1.01</u>                         | initial <u>7.34</u>        | initial <u>-87.12</u>           | initial <u>36.40</u>                 |
| 5 min   | <u>80.22</u>                                 | <u>15.84</u>                             | <u>0.71</u>                             | <u>0.67</u>                                 | <u>7.32</u>                | <u>-111.39</u>                  | <u>48.90</u>                         |
| 10 min  | <u>80.24</u>                                 | <u>14.16</u>                             | <u>0.72</u>                             | <u>0.26</u>                                 | <u>7.32</u>                | <u>-87.02</u>                   | <u>27.90</u>                         |
| 15 min  | <u>80.16</u>                                 | <u>14.45</u>                             | <u>0.70</u>                             | <u>0.21</u>                                 | <u>7.33</u>                | <u>-84.20</u>                   | <u>25.10</u>                         |
| 20 min  | <u>80.15</u>                                 | <u>14.34</u>                             | <u>0.70</u>                             | <u>0.19</u>                                 | <u>7.33</u>                | <u>-91.46</u>                   | <u>15.10</u>                         |
| 25 min  | <u>80.16</u>                                 | <u>13.94</u>                             | <u>0.71</u>                             | <u>0.16</u>                                 | <u>7.33</u>                | <u>-87.04</u>                   | <u>13.70</u>                         |
| 30 min  | <u>80.16</u>                                 | <u>13.95</u>                             | <u>0.71</u>                             | <u>0.15</u>                                 | <u>7.33</u>                | <u>-119.68</u>                  | <u>10.50</u>                         |
| 35 min  | <u>80.16</u>                                 | <u>13.86</u>                             | <u>0.70</u>                             | <u>0.13</u>                                 | <u>7.33</u>                | <u>-86.99</u>                   | <u>7.13</u>                          |
| 40 min  | <u>80.16</u>                                 | <u>13.87</u>                             | <u>0.71</u>                             | <u>0.12</u>                                 | <u>7.33</u>                | <u>-87.88</u>                   | <u>8.68</u>                          |
| 45 min  | <u>80.16</u>                                 | <u>13.68</u>                             | <u>0.70</u>                             | <u>0.11</u>                                 | <u>7.33</u>                | <u>-86.49</u>                   | <u>2.27</u>                          |
| 50 min  | <u>80.16</u>                                 | <u>13.72</u>                             | <u>0.70</u>                             | <u>0.10</u>                                 | <u>7.33</u>                | <u>-86.96</u>                   | <u>4.28</u>                          |
| 55 min  | <u>80.16</u>                                 | <u>14.01</u>                             | <u>0.70</u>                             | <u>0.09</u>                                 | <u>7.32</u>                | <u>-85.21</u>                   | <u>1.50</u>                          |
| 60 min  | <u>80.16</u>                                 | <u>13.95</u>                             | <u>0.70</u>                             | <u>0.08</u>                                 | <u>7.32</u>                | <u>-87.93</u>                   | <u>1.08</u>                          |
| 65 min  |  |  |   |   |                            |                                 |                                      |
| 70 min  |  |  |   |   |                            |                                 |                                      |
| 75 min  |  |  |   |   |                            |                                 |                                      |
| 80 min  |  |  |   |   |                            |                                 |                                      |
| 85 min  |  |  |   |   |                            |                                 |                                      |
| 90 min  |  |  |   |   |                            |                                 |                                      |

**Water Sample:**

Time Collected 11:30

Physical Appearance at Start

Physical Appearance at Sampling

Color Slightly Cloudy Color Clear  
 Odor None Odor None  
 Turbidity (> 100 NTU) 36.4 Turbidity (> 100 NTU) 1.08  
 Sheen/Free Product None Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Amber     | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 250 ml Amber     | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

Notes:

B-23DR-20250604  
 Landfill bottles

Date 6/4/2025 | 6/5/2025  
 Site Name RACER Coldwater Rd  
 Location Flint, MI  
 Project No. 1940107203  
 Personnel LT

Weather Rain, 60F  
 Well # B-24R  
 Evacuation Method Whale Pump-Peristaltic  
 Sampling Method low flow

**Well Information:**

Depth of Well \* 30.89 ft.  
 Depth to Water \* 12.99 | 15.38 ft.  
 Length of Water Column 17.90 ft.  
 Volume of Water in Well 2.92 gal.(s)  
 3X Volume of Water in Well 8.75 gal.(s)

Water Volume /ft. for:  
 2" Diameter Well = 0.163 X LWC  
 4" Diameter Well = 0.653 X LWC  
 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 12 1/2 gal.(s)  
 Did well go dry? yes

\* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity mS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | <u>15.38</u>                                 | initial <u>15.55</u>                     | initial <u>1.14</u>                     | initial <u>4.88</u>                         | initial <u>7.21</u>        | initial <u>98.1</u>             | initial <u>31.6</u>                  |
| 5 min   | <u>24.55</u>                                 | <u>11.55</u>                             | <u>1.24</u>                             | <u>0.23</u>                                 | <u>7.13</u>                | <u>116.4</u>                    | <u>26.9</u>                          |
| 10 min  | <u>DRY</u>                                   | <u>10.96</u>                             | <u>1.28</u>                             | <u>0.49</u>                                 | <u>7.12</u>                | <u>121.6</u>                    | <u>186</u>                           |
| 15 min  | <u>12.99</u>                                 | <u>13.86</u>                             | <u>1.21</u>                             | <u>8.17</u>                                 | <u>7.07</u>                | <u>54.0</u>                     | <u>106</u>                           |
| 20 min  | <u>14.14</u>                                 | <u>11.71</u>                             | <u>1.26</u>                             | <u>8.54</u>                                 | <u>7.06</u>                | <u>52.3</u>                     | <u>54.6</u>                          |
| 25 min  | <u>13.98</u>                                 | <u>12.36</u>                             | <u>1.26</u>                             | <u>8.55</u>                                 | <u>7.05</u>                | <u>52.4</u>                     | <u>50</u>                            |
| 30 min  | <u>14.21</u>                                 | <u>12.21</u>                             | <u>1.27</u>                             | <u>8.50</u>                                 | <u>7.06</u>                | <u>52.3</u>                     | <u>43</u>                            |
| 35 min  | <u>14.2</u>                                  | <u>12.12</u>                             | <u>1.26</u>                             | <u>8.60</u>                                 | <u>7.04</u>                | <u>53.4</u>                     | <u>41.5</u>                          |
| 40 min  | <u>14.23</u>                                 | <u>12.87</u>                             | <u>1.27</u>                             | <u>8.54</u>                                 | <u>7.03</u>                | <u>53.8</u>                     | <u>38.6</u>                          |
| 45 min  | <u>14.14</u>                                 | <u>12.55</u>                             | <u>1.24</u>                             | <u>8.65</u>                                 | <u>7.01</u>                | <u>54.6</u>                     | <u>33.2</u>                          |
| 50 min  | <u>13.75</u>                                 | <u>14.07</u>                             | <u>1.27</u>                             | <u>8.85</u>                                 | <u>7.17</u>                | <u>57.0</u>                     | <u>29.1</u>                          |
| 55 min  | <u>13.95</u>                                 | <u>13.24</u>                             | <u>1.28</u>                             | <u>9.06</u>                                 | <u>6.99</u>                | <u>56.0</u>                     | <u>28.9</u>                          |
| 60 min  | <u>14.15</u>                                 | <u>12.68</u>                             | <u>1.27</u>                             | <u>9.20</u>                                 | <u>6.97</u>                | <u>56.4</u>                     | <u>23.5</u>                          |
| 65 min  | <u>14.15</u>                                 | <u>13.28</u>                             | <u>1.28</u>                             | <u>8.97</u>                                 | <u>6.96</u>                | <u>77.9</u>                     | <u>24.8</u>                          |
| 70 min  | <u>14.07</u>                                 | <u>13.87</u>                             | <u>1.28</u>                             | <u>9.06</u>                                 | <u>6.94</u>                | <u>59.7</u>                     | <u>20.8</u>                          |
| 75 min  | <u>14.07</u>                                 | <u>13.44</u>                             | <u>1.28</u>                             | <u>9.00</u>                                 | <u>6.93</u>                | <u>59.6</u>                     | <u>24</u>                            |
| 80 min  | <u>13.94</u>                                 | <u>14.08</u>                             | <u>1.28</u>                             | <u>9.02</u>                                 | <u>6.93</u>                | <u>60.5</u>                     | <u>31.3</u>                          |
| 85 min  | <u>13.85</u>                                 | <u>14.26</u>                             | <u>1.27</u>                             | <u>8.89</u>                                 | <u>6.93</u>                | <u>61.2</u>                     | <u>22.5</u>                          |
| 90 min  | <u>13.78</u>                                 | <u>14.28</u>                             | <u>1.28</u>                             | <u>8.86</u>                                 | <u>6.92</u>                | <u>62.3</u>                     | <u>23.8</u>                          |

**Water Sample:**

Time Collected 11:06

Physical Appearance at Start

Physical Appearance at Sampling

Color Clear Color Clear  
 Odor None Odor None  
 Turbidity (> 100 NTU) 31.6 Turbidity (> 100 NTU) 23.8  
 Sheen/Free Product None Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

Notes:

B-24R-20250605  
 Landfill bottles

**Standard Groundwater Sampling Log**

Date 6/4/2025  
 Site Name RACER Coldwater Rd  
 Location Flint, MI  
 Project No. 1940107203  
 Personnel ST

Weather Partly Cloudy, 70s  
 Well # B-27D  
 Evacuation Method Bladder Pump  
 Sampling Method Low Flow

**Well Information:**

Depth of Well \* 88.86 ft.  
 Depth to Water \* 74.72 ft.  
 Length of Water Column 14.14 ft.  
 Volume of Water in Well 2.30 gal.(s)  
 3X Volume of Water in Well 6.91 gal.(s)

Water Volume /ft. for:  
 2" Diameter Well = 0.163 X LWC  
 4" Diameter Well = 0.653 X LWC  
 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 8 gal.(s)  
 Did well go dry? No

\* Measurements taken from  Well Casing  Protective Casing  (Other, Specify)

**Instrument Calibration:**

Calibrated within range

pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | <b>Drawdown measured</b><br>0.3 feet or less | <b>Temperature Celsius</b><br>±3 percent | <b>Conductivity mS/cm</b><br>±3 percent | <b>Dissolved Oxygen mg/L</b><br>±10 percent | <b>pH</b><br>±0.1 pH units | <b>ORP mV</b><br>±10 millivolts | <b>Turbidity NTUs</b><br>±10 percent |
|---------|--|--|---|---|----------------------------|---------------------------------|--------------------------------------|
| initial | <u>75.65</u>                                 | initial <u>17.05</u>                     | initial <u>0.51</u>                     | initial <u>2.41</u>                         | initial <u>7.69</u>        | initial <u>-51.01</u>           | initial <u>1100</u>                  |
| 5 min   | <u>75.60</u>                                 | <u>12.97</u>                             | <u>0.55</u>                             | <u>0.20</u>                                 | <u>7.53</u>                | <u>-75.42</u>                   | <u>1030</u>                          |
| 10 min  | <u>75.52</u>                                 | <u>13.39</u>                             | <u>0.56</u>                             | <u>0.14</u>                                 | <u>7.50</u>                | <u>-81.71</u>                   | <u>1090</u>                          |
| 15 min  | <u>75.42</u>                                 | <u>13.56</u>                             | <u>0.55</u>                             | <u>0.13</u>                                 | <u>7.49</u>                | <u>-80.69</u>                   | <u>567</u>                           |
| 20 min  | <u>75.60</u>                                 | <u>13.01</u>                             | <u>0.55</u>                             | <u>0.07</u>                                 | <u>7.49</u>                | <u>-82.72</u>                   | <u>713</u>                           |
| 25 min  | <u>75.65</u>                                 | <u>12.95</u>                             | <u>0.55</u>                             | <u>0.06</u>                                 | <u>7.49</u>                | <u>-83.91</u>                   | <u>1000</u>                          |
| 30 min  | <u>75.67</u>                                 | <u>12.92</u>                             | <u>0.55</u>                             | <u>0.06</u>                                 | <u>7.48</u>                | <u>-87.02</u>                   | <u>804</u>                           |
| 35 min  | <u>75.67</u>                                 | <u>12.72</u>                             | <u>0.56</u>                             | <u>0.06</u>                                 | <u>7.48</u>                | <u>-86.44</u>                   | <u>503</u>                           |
| 40 min  | <u>75.66</u>                                 | <u>12.70</u>                             | <u>0.56</u>                             | <u>0.06</u>                                 | <u>7.48</u>                | <u>-111.19</u>                  | <u>294</u>                           |
| 45 min  | <u>75.66</u>                                 | <u>12.78</u>                             | <u>0.56</u>                             | <u>0.05</u>                                 | <u>7.48</u>                | <u>-111.73</u>                  | <u>170</u>                           |
| 50 min  | <u>75.66</u>                                 | <u>12.73</u>                             | <u>0.56</u>                             | <u>0.05</u>                                 | <u>7.47</u>                | <u>-119.41</u>                  | <u>136</u>                           |
| 55 min  | <u>75.66</u>                                 | <u>12.89</u>                             | <u>0.55</u>                             | <u>0.05</u>                                 | <u>7.46</u>                | <u>-121.37</u>                  | <u>97.7</u>                          |
| 60 min  | <u>75.66</u>                                 | <u>12.72</u>                             | <u>0.56</u>                             | <u>0.05</u>                                 | <u>7.47</u>                | <u>-97.25</u>                   | <u>75.4</u>                          |
| 65 min  | <u>75.66</u>                                 | <u>12.58</u>                             | <u>0.55</u>                             | <u>0.05</u>                                 | <u>7.48</u>                | <u>-96.82</u>                   | <u>64.4</u>                          |
| 70 min  | <u>75.66</u>                                 | <u>12.63</u>                             | <u>0.56</u>                             | <u>0.05</u>                                 | <u>7.48</u>                | <u>-96.88</u>                   | <u>51.6</u>                          |
| 75 min  | <u>75.66</u>                                 | <u>12.72</u>                             | <u>0.56</u>                             | <u>0.05</u>                                 | <u>7.48</u>                | <u>-122.11</u>                  | <u>45.2</u>                          |
| 80 min  | <u>75.66</u>                                 | <u>12.83</u>                             | <u>0.56</u>                             | <u>0.05</u>                                 | <u>7.47</u>                | <u>-97.99</u>                   | <u>41.7</u>                          |
| 85 min  | <u>75.66</u>                                 | <u>12.85</u>                             | <u>0.56</u>                             | <u>0.04</u>                                 | <u>7.47</u>                | <u>-97.76</u>                   | <u>44.5</u>                          |
| 90 min  | <u>75.66</u>                                 | <u>12.90</u>                             | <u>0.56</u>                             | <u>0.04</u>                                 | <u>7.47</u>                | <u>-98.00</u>                   | <u>47.8</u>                          |
| 95 min  | <u>75.66</u>                                 | <u>12.93</u>                             | <u>0.56</u>                             | <u>0.05</u>                                 | <u>7.46</u>                | <u>-97.69</u>                   | <u>45.7</u>                          |
| 100 min |  |  |   |   |                            |                                 |                                      |
| 105 min |  |  |   |   |                            |                                 |                                      |
| 110 min |  |  |   |   |                            |                                 |                                      |
| 115 min |  |  |   |   |                            |                                 |                                      |
| 120 min |  |  |   |   |                            |                                 |                                      |

**Water Sample:**

Time Collected 15:12

Physical Appearance at Start

Physical Appearance at Sampling

Color Cloudy Brown  
 Odor None  
 Turbidity (> 100 NTU) 1100  
 Sheen/Free Product None

Color Slightly Cloudy  
 Odor None  
 Turbidity (> 100 NTU) 45.7  
 Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Amber     | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 250 ml Amber     | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |
| PFAS  | 3         | 10 ml plastic    | None                           |                |

**Notes:**

B-27D-20250604  
 Landfill bottles plus PFAS

**Standard Groundwater Sampling Log**

Date 6/3/2025  
 Site Name RACER Coldwater Rd Weather Sunny, 80's °F  
 Location Flint, MI Well # B-28  
 Project No. 1940107203 Evacuation Method Whale Pump  
 Personnel ST Sampling Method 3X Well Volumes

**Well Information:**

Depth of Well \* 32.98 ft.  
 Depth to Water \* 4.02 ft.  
 Length of Water Column 28.96 ft.  
 Volume of Water in Well 4.72 gal.(s)  
 3X Volume of Water in Well 14.16 gal.(s)

Water Volume /ft. for:  
 X 2" Diameter Well = 0.163 X LWC  
4" Diameter Well = 0.653 X LWC  
6" Diameter Well = 1.469 X LWC

Volume removed before sampling 18 gal.(s)  
 Did well go dry? No

\* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:**

Calibrated within range  
 pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | Drawdown measured<br>0.3 feet or less | Temperature Celsius<br>±3 percent | Conductivity mS/cm<br>±3 percent | Dissolved Oxygen mg/L<br>±10 percent | pH<br>±0.1 pH units | ORP mV<br>±10 millivolts | Turbidity NTUs<br>±10 percent |
|---------|---------------------------------------|-----------------------------------|----------------------------------|--------------------------------------|---------------------|--------------------------|-------------------------------|
| initial | 9.52                                  | initial 12.54                     | initial 0.80                     | initial 0.10                         | initial 7.30        | initial 66.48            | initial 26.90                 |
| 5 min   | 14.45                                 | 11.43                             | 0.81                             | 0.04                                 | 7.20                | 13.64                    | 15.40                         |
| 10 min  | 18.10                                 | 11.51                             | 0.80                             | 0.08                                 | 7.17                | -25.61                   | 6.42                          |
| 15 min  | 21.9                                  | 11.58                             | 0.80                             | 0.28                                 | 7.16                | -27.52                   | 4.73                          |
| 20 min  | 22.5                                  | 11.60                             | 0.80                             | 0.48                                 | 7.17                | -26.27                   | 2.80                          |
| 25 min  | 23.8                                  | 11.54                             | 0.80                             | 0.37                                 | 7.17                | -28.58                   | 4.62                          |
| 30 min  | 23.7                                  | 11.75                             | 0.80                             | 0.29                                 | 7.17                | -30.15                   | 1.65                          |
| 35 min  | 23.4                                  | 11.61                             | 0.81                             | 0.26                                 | 7.17                | -28.23                   | 6.64                          |
| 40 min  | 23.4                                  | 11.48                             | 0.81                             | 0.11                                 | 7.16                | -68.31                   | 6.19                          |
| 45 min  | 23.4                                  | 11.50                             | 0.81                             | 0.32                                 | 7.17                | -36.03                   | 5.83                          |
| 50 min  | 22.82                                 | 11.48                             | 0.81                             | 0.83                                 | 7.18                | -25.24                   | 13.90                         |
| 55 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 60 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 65 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 70 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 75 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 80 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 85 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 90 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 95 min  |                                       |                                   |                                  |                                      |                     |                          |                               |

**Water Sample:**

Time Collected 15:55

**Physical Appearance at Start**

**Physical Appearance at Sampling**

Color Clear Color Clear  
 Odor None Odor None  
 Turbidity (> 100 NTU) 26.9 Turbidity (> 100 NTU) 13.9  
 Sheen/Free Product None Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 125 ml Plastic   | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plastic   | None                           |                |

Notes:

B-28-20250603  
 Landfill bottles

**Standard Groundwater Sampling Log**

Date 6/5/2025  
 Site Name RACER Coldwater Rd Weather Sunny, 70's °F  
 Location Flint, MI Well # OBG MW-16D  
 Project No. 1940107203 Evacuation Method Bladder  
 Personnel ST Sampling Method low flow

**Well Information:**

Depth of Well \* 75.10 ft. Water Volume /ft. for:  
 Depth to Water \* 56.35 ft. X 2" Diameter Well = 0.163 X LWC  
 Length of Water Column 18.75 ft. 4" Diameter Well = 0.653 X LWC  
 Volume of Water in Well 3.06 gal.(s) 6" Diameter Well = 1.469 X LWC  
 3X Volume of Water in Well 9.17 gal.(s)  
 Volume removed before sampling 6 gal.(s)  
 Did well go dry? No  
 \* Measurements taken from  Well Casing  Protective Casing  (Other, Specify) \_\_\_\_\_

**Instrument Calibration:**

Calibrated within range  
 pH Yes  
 ORP Yes  
 Conductivity Yes  
 DO Yes

**Water parameters:**

|         | Drawdown measured<br>0.3 feet or less | Temperature Celsius<br>±3 percent | Conductivity mS/cm<br>±3 percent | Dissolved Oxygen mg/L<br>±10 percent | pH<br>±0.1 pH units | ORP mV<br>±10 millivolts | Turbidity NTUs<br>±10 percent |
|---------|---------------------------------------|-----------------------------------|----------------------------------|--------------------------------------|---------------------|--------------------------|-------------------------------|
| initial | <u>56.40</u>                          | initial <u>15.93</u>              | initial <u>0.58</u>              | initial <u>0.39</u>                  | initial <u>7.56</u> | initial <u>-113.4</u>    | initial <u>659</u>            |
| 5 min   | <u>56.42</u>                          | <u>12.55</u>                      | <u>0.62</u>                      | <u>0.08</u>                          | <u>7.55</u>         | <u>-117.9</u>            | <u>391</u>                    |
| 10 min  | <u>56.48</u>                          | <u>12.31</u>                      | <u>0.61</u>                      | <u>0.06</u>                          | <u>7.53</u>         | <u>-101.3</u>            | <u>175</u>                    |
| 15 min  | <u>56.45</u>                          | <u>12.30</u>                      | <u>0.61</u>                      | <u>0.05</u>                          | <u>7.53</u>         | <u>-102.2</u>            | <u>65.6</u>                   |
| 20 min  | <u>56.45</u>                          | <u>12.25</u>                      | <u>0.61</u>                      | <u>0.04</u>                          | <u>7.53</u>         | <u>-115.7</u>            | <u>39.4</u>                   |
| 25 min  | <u>56.45</u>                          | <u>12.26</u>                      | <u>0.61</u>                      | <u>0.04</u>                          | <u>7.53</u>         | <u>-117.0</u>            | <u>27.3</u>                   |
| 30 min  | <u>56.45</u>                          | <u>12.21</u>                      | <u>0.61</u>                      | <u>0.03</u>                          | <u>7.53</u>         | <u>-116.3</u>            | <u>17.6</u>                   |
| 35 min  | <u>56.45</u>                          | <u>12.26</u>                      | <u>0.61</u>                      | <u>0.03</u>                          | <u>7.52</u>         | <u>-115.4</u>            | <u>12.9</u>                   |
| 40 min  | <u>56.45</u>                          | <u>12.21</u>                      | <u>0.61</u>                      | <u>0.03</u>                          | <u>7.52</u>         | <u>-115.5</u>            | <u>11.3</u>                   |
| 45 min  | <u>56.45</u>                          | <u>12.25</u>                      | <u>0.62</u>                      | <u>0.02</u>                          | <u>7.52</u>         | <u>-115.0</u>            | <u>8.41</u>                   |
| 50 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 55 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 60 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 65 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 70 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 75 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 80 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 85 min  |                                       |                                   |                                  |                                      |                     |                          |                               |
| 90 min  |                                       |                                   |                                  |                                      |                     |                          |                               |

**Water Sample:**

Time Collected 16:15  
 Physical Appearance at Start \_\_\_\_\_ Physical Appearance at Sampling \_\_\_\_\_  
 Color Murky Color Clear  
 Odor None Odor None  
 Turbidity (> 100 NTU) 659 Turbidity (> 100 NTU) 8.41  
 Sheen/Free Product None Sheen/Free Product None

**Samples collected:**

| Analyses                                      | # Bottles | Bottle size/type | Preservative                   | Field Filtered |
|---|-----------|------------------|--------------------------------|----------------|
| VOCs  | 3         | 40 ml Glass      | HCL                            |                |
| Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na | 1         | 125 ml Plastic   | HNO <sub>3</sub>               | yes            |
| Cyanide                                       | 1         | 125 ml Plastic   | NAOH                           |                |
| Phenols                                       | 1         | 125 ml Amber     | H <sub>2</sub> SO <sub>4</sub> |                |
| TOC   | 2         | 40 ml Glass      | H <sub>2</sub> SO <sub>4</sub> |                |
| TOX   | 1         | 250 ml Amber     | H <sub>2</sub> SO <sub>4</sub> |                |
| Sulfate, Chlorides, SpC                       | 1         | 500 ml Plasic    | None                           |                |

Notes:

OBG-MW-16D-20250605  
 Landfill bottles

**APPENDIX C  
ANALYTICAL LABORATORY RESULTS**



Report ID: S75293.01(02)  
Generated on 07/14/2025  
Replaces report S75293.01(01) generated on 06/20/2025

Report to

Attention: Clifford Yantz  
Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:  
Email: Clifford.Yantz@ramboll.com

Additional Contacts: Kevin Schneider, Nicole Pitkorchemny

Report produced by

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Contacts for report questions:  
John Lavery (johnlavery@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S75293.01-S75293.03  
Project: RACER Coldwater Road  
Collected Date(s): 06/03/2025 - 06/04/2025  
Submitted Date/Time: 06/04/2025 14:00  
Sampled by: Kevin Schneider  
P.O. #: 1940011180 TASK 1

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Maya Murshak  
Technical Director



## General Report Notes

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Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (\*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the

FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

## Report Narrative

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Conductivity for sample .03 re-run due to client request

### Laboratory Accreditations (For Reference Only)

| Authority                     | Accreditation ID    |
|-------------------------------|---------------------|
| Michigan DEQ                  | #9956               |
| DOD ELAP & ISO/IEC 17025:2017 | #69699 PJLA Testing |
| WBENC                         | #2005110032         |
| Ohio VAP                      | #CL0002             |
| Indiana DOH                   | #C-MI-07            |
| New York NELAC                | #11814              |
| North Carolina DENR           | #680                |
| North Carolina DOH            | #26702              |
| Pennsylvania DEP              | #68-05884           |
| Wisconsin DNR                 | FID# 399147320      |

### Qualifier Descriptions

| Qualifier | Description   |
|-----------|---|
| !         | Result is outside of stated limit criteria                            |
| B         | Compound also found in associated method blank                        |
| E         | Concentration exceeds calibration range                               |
| F         | Analysis run outside of holding time                                  |
| G         | Estimated result due to extraction run outside of holding time        |
| H         | Sample submitted and run outside of holding time                      |
| I         | Matrix interference with internal standard                            |
| J         | Estimated value less than reporting limit, but greater than MDL       |
| L         | Elevated reporting limit due to low sample amount                     |
| M         | Result reported to MDL not RDL  |
| O         | Analysis performed by outside laboratory. See attached report.        |
| R         | Preliminary result  |
| S         | Surrogate recovery outside of control limits                          |
| T         | No correction for total solids  |
| X         | Elevated reporting limit due to matrix interference                   |
| Y         | Elevated reporting limit due to high target concentration             |
| b         | Value detected less than reporting limit, but greater than MDL        |
| e         | Reported value estimated due to interference                          |
| j         | Analyte also found in associated method blank                         |
| o         | Associated EIS outside of control limits                              |
| p         | Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak. |
| q         | Qualifier ion ratio outside of control limits                         |
| x         | Preserved from bulk sample  |

### Glossary of Abbreviations

| Abbreviation | Description                              |
|--------------|--|
| RL/RDL       | Reporting Limit                          |
| MDL          | Method Detection Limit                   |
| MS           | Matrix Spike                             |
| MSD          | Matrix Spike Duplicate                   |
| SW           | EPA SW 846 (Soil and Wastewater) Methods |
| E            | EPA Methods                              |
| SM           | Standard Methods                         |
| LN           | Linear                                   |
| BR           | Branched                                 |



## Method Summary

| Method           | Version  |
|------------------|--|
| E120.1           | EPA Method 120.1 Revision 1982   |
| E200.8           | EPA Method 200.8 Revision 5.4  |
| E300.0           | EPA Method 300.0 Revision 2.1 (1993)                                   |
| E335.4/SM4500-CN | EPA Method 335.4 Revision 1.0 / Standard Method 4500-CN E 2021         |
| E420.1           | EPA Method 420.1 Editorial Revision 1978                               |
| N/A              | Not Applicable   |
| SM5310C          | Standard Method 5310C 2014   |
| SW3015A          | SW 846 Method 3015A Revision 1 February 2007                           |
| SW5030C/8260C    | SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003 |
| SW9020B          | SW 846 Method 9020B Revision 2 September 1994                          |



# Analytical Laboratory Report

Revised Report

## Sample Summary (3 samples)

| Sample ID | Sample Tag          | Matrix      | Collected Date/Time |
|-----------|---------------------|-------------|---------------------|
| S75293.01 | B-28-20250603       | Groundwater | 06/03/25 15:55      |
| S75293.02 | Trip Blank-20250603 | Water       | 06/03/25 00:01      |
| S75293.03 | B-23DR-20250604     | Groundwater | 06/04/25 11:30      |



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.01

Sample Tag: B-28-20250603

Collected Date/Time: 06/03/2025 15:55

Matrix: Groundwater

COC Reference: 184989

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 2.4               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 2.4               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 2.4               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 2.4               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 2.4               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 2.4               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 2.4               | IR            |

### Extraction / Prep.

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/06/25 10:45 | BDO     |       |
| Metal Digestion    | Completed | SW3015A | 06/10/25 10:20 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

### Inorganics

Method: E120.1, Run Date: 06/11/25 12:44, Analyst: JKB

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 879    | 1  |     | umhos/cm | 1        |      |       |

Method: E300.0, Run Date: 06/05/25 15:02, Analyst: SRH

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 10.9   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 172    | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

Method: E335.4/SM4500-CN, Run Date: 06/12/25 13:56, Analyst: MDG

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

Method: E420.1, Run Date: 06/10/25 15:18, Analyst: JKB

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

Method: SM5310C, Run Date: 06/09/25 18:05, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.3    | 1  |     | mg/L  | 1        |      |       |

### Metals

Method: E200.8, Run Date: 06/13/25 14:42, Analyst: CCM

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 11.4   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

Method: E200.8, Run Date: 06/10/25 11:48, Analyst: CCM

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 1.14         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.01 (continued)

Sample Tag: B-28-20250603

Method: E200.8, Run Date: 06/10/25 11:48, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.067        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

### Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/05/25 18:32, Analyst: NDK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.01 (continued)

Sample Tag: B-28-20250603

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/05/25 18:32, Analyst: NDK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 00:07, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.02

Sample Tag: Trip Blank-20250603

Collected Date/Time: 06/03/2025 00:01

Matrix: Water

COC Reference: 184989

### Sample Containers

| # | Type       | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40mL Glass | HCL             | Yes           | 2.4               | IR            |

### Extraction / Prep.

| Parameter          | Result | Method | Run Date       | Analyst | Flags |
|--------------------|--------|--------|----------------|---------|-------|
| pH check for VOCs* | <2     | N/A    | 06/06/25 13:00 | BDO     |       |

### Organics - Volatiles

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 01:02, Analyst: NDK**

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | 2            | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.02 (continued)

Sample Tag: Trip Blank-20250603

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 01:02, Analyst: NDK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| Dibromochloromethane        | Not detected | 5  |     | ug/L  | 1        | 124-48-1 |       |
| 1,2-Dibromoethane           | Not detected | 1  |     | ug/L  | 1        | 106-93-4 |       |
| Chlorobenzene               | Not detected | 1  |     | ug/L  | 1        | 108-90-7 |       |
| 1,1,1,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 630-20-6 |       |
| Ethylbenzene                | Not detected | 1  |     | ug/L  | 1        | 100-41-4 |       |
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.03

Sample Tag: B-23DR-20250604

Collected Date/Time: 06/04/2025 11:30

Matrix: Groundwater

COC Reference: 184989

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 2.4               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 2.4               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 2.4               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 2.4               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 2.4               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 2.4               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 2.4               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/06/25 10:45 | BDO     |       |
| Metal Digestion    | Completed | SW3015A | 06/10/25 10:20 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 07/11/25 12:40, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 802    | 1  |     | umhos/cm | 1        |      | F     |

**Method: E300.0, Run Date: 06/05/25 15:12, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 35.3   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 60.4   | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/12/25 14:05, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/10/25 15:22, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/09/25 18:29, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.1    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:44, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 23.3   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/10/25 11:52, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |

F-Analysis run outside of holding time



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.03 (continued)

Sample Tag: B-23DR-20250604

Method: E200.8, Run Date: 06/10/25 11:52, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Iron, Dissolved      | 1.94         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |
| Manganese, Dissolved | 0.042        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

### Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/05/25 18:56, Analyst: NDK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |



# Analytical Laboratory Report

Revised Report

Lab Sample ID: S75293.03 (continued)

Sample Tag: B-23DR-20250604

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/05/25 18:56, Analyst: NDK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 02:19, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.

# Merit Laboratories Login Checklist

Lab Set ID:S75293

Client:RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Submitted:06/04/2025 14:00 Login User: PFD

Attention: Clifford Yantz

Address: Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:  
Email: Clifford.Yantz@ramboll.com

| Selection | Description | Note |
|-----------|-------------|------|
|-----------|-------------|------|

## Sample Receiving

- |     |  |  |
|-----|--|--|
| 01. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples are received at 4C +/- 2C Thermometer # IR 2.4 |
| 02. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Received on ice/ cooling process begun                 |
| 03. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples shipped  |
| 04. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples left in 24 hr. drop box                        |
| 05. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Are there custody seals/tape or is the drop box locked |

## Chain of Custody

- |     |  |  |
|-----|--|--|
| 06. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC adequately filled out                    |
| 07. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC signed and relinquished to the lab       |
| 08. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sample tag on bottles match COC              |
| 09. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Subcontracting needed? Subcontracted to: GEL |

## Preservation

- |     |  |   |
|-----|--|---|
| 10. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Do sample have correct chemical preservation        |
| 11. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Completed pH checks on preserved samples? (no VOAs) |
| 12. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Did any samples need to be preserved in the lab?    |

## Bottle Conditions

- |     |  |   |
|-----|--|---|
| 13. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All bottles intact                                  |
| 14. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Appropriate analytical bottles are used             |
| 15. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Merit bottles used                                  |
| 16. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sufficient sample volume received                   |
| 17. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples require laboratory filtration               |
| 18. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples submitted within holding time               |
| 19. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Do water VOC, TOX, DO or Alkalinity bottles contain |

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: \_\_\_\_\_ Date: \_\_\_\_\_

# Merit Laboratories Bottle Preservation Check

Lab Set ID: S75293 Submitted: 06/04/2025 14:00

Client: RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Initial Preservation Check: 06/04/2025 17:03 PFD

Preservation Recheck (E200.8): N/A

Attention: Clifford Yantz

Address: Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211

FAX:

Email: Clifford.Yantz@ramboll.com

| Sample ID | Bottle / Preservation | pH (Orig) | Add ml | pH (New) | Notes |
|-----------|-----------------------|-----------|--------|----------|-------|
| S75293.01 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75293.01 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75293.01 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75293.01 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75293.01 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75293.03 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75293.03 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75293.03 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75293.03 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75293.03 | 250mL Amber H2SO4     | <2        |        |          |       |



**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME *Clifford Vantz / Kevin Schneider*  
 COMPANY *Ramboll*  
 ADDRESS *2090 Commonwealth Blvd*  
 CITY *Ann Arbor* STATE *MI* ZIP CODE *48105*  
 PHONE NO. CELL NO. *313-333-0211* P.O. NO. *194011180 Task 1*  
 E-MAIL ADDRESS *Kevin.Schneider@ramboll.com* QUOTE NO.

CONTACT NAME *[X] SAME*  
 COMPANY  
 ADDRESS  
 CITY STATE ZIP CODE  
 PHONE NO. E-MAIL ADDRESS

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME *RALER coldwater Road* SAMPLER(S) - PLEASE PRINT/SIGN NAME *Kevin Schneider*  
 TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER  
 DELIVERABLES REQUIRED  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

MATRIX W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR WS=WASTE

# Containers & Preservatives

| MERIT LAB NO.<br><small>FOR LAB USE ONLY</small> | COLLECTION    |             | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX    | # OF BOTTLES | NONE     | HCl      | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH     | MeOH | OTHER | VOCs     | TOC      | TOX      | Phenols  | Cyanide  | Sulfate  | Chlorides | Total Sodium | Dissolved Metals | Specific Conductivity | Certifications                    |   | Project Locations            |                                | Special Instructions |   |                                   |
|--|---------------|-------------|---------------------------------------|-----------|--------------|----------|----------|------------------|--------------------------------|----------|------|-------|----------|----------|----------|----------|----------|----------|-----------|--------------|------------------|-----------------------|-----------------------------------|---|------------------------------|--------------------------------|----------------------|---|-----------------------------------|
|  | DATE          | TIME        |                                       |           |              |          |          |                  |                                |          |      |       |          |          |          |          |          |          |           |              |                  |                       | <input type="checkbox"/> OHIO VAP | <input type="checkbox"/> Drinking Water | <input type="checkbox"/> DoD | <input type="checkbox"/> NPDES |                      | <input type="checkbox"/> Detroit              | <input type="checkbox"/> New York |
| <i>75293.01</i>                                  | <i>6/3/25</i> | <i>1555</i> | <i>B-28-20250603</i>                  | <i>GW</i> | <i>11</i>    | <i>1</i> | <i>3</i> | <i>2</i>         | <i>4</i>                       | <i>1</i> |      |       | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i>  | <i>X</i>     | <i>X</i>         | <i>X</i>              | <i>X</i>                          | <i>X</i>                                | <i>X</i>                     | <i>X</i>                       | <i>X</i>             | <i>Dissolved Metals were field filter</i>     |                                   |
| <i>.02</i>                                       | <i>6/3/25</i> | <i>-</i>    | <i>Trip Blank-20250603</i>            | <i>L</i>  | <i>1</i>     | <i>1</i> |          |                  |                                |          |      |       | <i>X</i> |          |          |          |          |          |           |              |                  |                       |                                   |   |                              |                                |                      |   |                                   |
| <i>.03</i>                                       | <i>6/4/25</i> | <i>1130</i> | <i>B-23DR-20250604</i>                | <i>GW</i> | <i>11</i>    | <i>1</i> | <i>3</i> | <i>2</i>         | <i>4</i>                       | <i>1</i> |      |       | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i>  | <i>X</i>     | <i>X</i>         | <i>X</i>              | <i>X</i>                          | <i>X</i>                                | <i>X</i>                     | <i>X</i>                       | <i>X</i>             | <i>Metals ARE!<br/>Cr, Cu, Ni, Zn, Fe, Mn</i> |                                   |
|  |               |             | <i>ST</i>                             |           |              |          |          |                  |                                |          |      |       |          |          |          |          |          |          |           |              |                  |                       |                                   |   |                              |                                |                      |   |                                   |

RELINQUISHED BY: *Savannah Thielbar*  Sampler DATE *6-4-25* TIME *1300*  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: *[Signature]* DATE *6/4/25* TIME *17:00*  
 SIGNATURE/ORGANIZATION  
 RELINQUISHED BY: *[Signature]* DATE *6/4/25* TIME *14:00*  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: *[Signature]* DATE *6/4/25* TIME *19:00*  
 SIGNATURE/ORGANIZATION

RELINQUISHED BY: DATE TIME  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: DATE TIME  
 SIGNATURE/ORGANIZATION  
 SEAL NO. SEAL INTACT YES  NO  INITIALS  
 SEAL NO. SEAL INTACT YES  NO  INITIALS  
 TEMP. ON ARRIVAL  ICE (SOLID)  BLUE ICE *h2*  
 ICE (MELTED)  NONE

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

June 20, 2025

John Laverty  
Merit Laboratories Inc.  
2680 East Lansing Drive  
East Lansing, Michigan 48823

Re: Halogen Analysis  
Work Order: 727737  
SDG: S75293

Dear John Laverty:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 06, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at [www.gel.com](http://www.gel.com).

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 1614.

Sincerely,

Delaney Stonessmith  
Project Manager

Purchase Order: GELP20-0014  
Enclosures

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis Report for

MERI001 Merit Laboratories, Inc.

Client SDG: S75293 GEL Work Order: 727737

**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a Tracer compound
- \*\* Analyte is a surrogate compound
- J Value is estimated
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Delaney Stonesmith.

Reviewed by \_\_\_\_\_

*Delaney Stonesmith*

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 20, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75293.01       | Project:   | MERI00220 |
| Sample ID:        | 727737001       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 03-JUN-25 15:55 |            |           |
| Receive Date:     | 06-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      |           | 10.9   | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 0007 | 2813711 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 20, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

Client Sample ID: S75293.03  
Sample ID: 727737002  
Matrix: Ground Water  
Collect Date: 04-JUN-25 11:30  
Receive Date: 06-JUN-25  
Collector: Client

Project: MERI00220  
Client ID: MERI001

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 0219 | 2813711 | 1      |

The following Analytical Methods were performed:

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

DF: Dilution Factor  
DL: Detection Limit  
MDA: Minimum Detectable Activity  
MDC: Minimum Detectable Concentration  
Lc/LC: Critical Level  
PF: Prep Factor  
RL: Reporting Limit  
SQL: Sample Quantitation Limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: June 20, 2025

Page 1 of 2

Merit Laboratories Inc.  
2680 East Lansing Drive  
East Lansing, Michigan

Contact: John Laverty

Workorder: 727737

| Parmname                | NOM       | Sample | Qual | QC   | Units | RPD/D% | REC% | Range      | Anlst | Date     | Time  |
|-------------------------|-----------|--------|------|------|-------|--------|------|------------|-------|----------|-------|
| <b>Halogen Analysis</b> |           |        |      |      |       |        |      |            |       |          |       |
| Batch                   | 2813711   |        |      |      |       |        |      |            |       |          |       |
| QC1206140854            | 727737001 | DUP    |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           | 10.9   | J    | 3.72 | ug/L  | 98.5   | ^    | (+/-10.0)  | RMJ   | 06/17/25 | 00:27 |
| QC1206140853            | LCS       |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       |        |      | 86.6 | ug/L  |        |      | (73%-117%) |       | 06/16/25 | 23:39 |
| QC1206140852            | MB        |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           |        | U    | ND   | ug/L  |        |      |            |       | 06/16/25 | 23:14 |
| QC1206140855            | 727737001 | MS     |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       | 10.9   |      | 91.8 | ug/L  |        |      | (55%-128%) |       | 06/17/25 | 01:35 |

### Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

# GEL LABORATORIES LLC

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## QC Summary

Workorder: 727737

Page 2 of 2

| Parname | NOM | Sample  | Qual | QC | Units | RPD/D% | REC% | Range | Anlst | Date | Time |
|---------|-----|---|------|----|-------|--------|------|-------|-------|------|------|
| N1      |     | See case narrative  |      |    |       |        |      |       |       |      |      |
| R       |     | Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.   |      |    |       |        |      |       |       |      |      |
| B       |     | The target analyte was detected in the associated blank.  |      |    |       |        |      |       |       |      |      |
| e       |     | 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes |      |    |       |        |      |       |       |      |      |
| x       |     | Subaliquot was taken. See Case Narrative for details.   |      |    |       |        |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

**General Chemistry  
Technical Case Narrative  
Merit Laboratories, Inc.  
SDG #: S75293  
Work Order #: 727737**

**Product:** Total Organic Halogens (TOX)

**Analytical Method:** SW846 9020B

**Analytical Procedure:** GL-GC-E-007 REV# 17

**Analytical Batch:** 2813711

The following samples were analyzed using the above methods and analytical procedure(s).

| <b><u>GEL Sample ID#</u></b> | <b><u>Client Sample Identification</u></b>  |
|------------------------------|---|
| 727737001                    | S75293.01                                   |
| 727737002                    | S75293.03                                   |
| 1206140852                   | Method Blank (MB)                           |
| 1206140853                   | Laboratory Control Sample (LCS)             |
| 1206140854                   | 727737001(S75293.01) Sample Duplicate (DUP) |
| 1206140855                   | 727737001(S75293.01) Matrix Spike (MS)      |

The samples in this SDG were analyzed on an "as received" basis.

**Data Summary:**

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

**Miscellaneous Information**

**Additional Comments**

A pair of nitrate wash blanks is analyzed at the start of the batch. Although they are designated as ICB, they are performed for calculating purposes only. The value of the nitrate wash blanks are averaged and subtracted from all samples. Neither of these values should exceed 0.6 ug Cl. The PQL limit typically applied to ICB results does not apply in this application, since the results are used only to determine background concentrations and are subtracted from all calculated results.

**Breakthrough effect**

Breakthrough effect: If the value for a sample is greater than the reporting limit (10 ug/L), the result for the second slug should not be greater than 25% of the combined value of the first and second slug. Results which do not meet these criteria are designated with a "Fail" comment in the Breakthrough effect column on the Logbook page; however, the "fail" designation is not applicable for samples with a result of less than 10 ug/L.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.



2680 East Lansing Dr., East Lansing, MI 48823  
Phone (517) 332-0167 Fax (517) 332-4034  
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

REPORT TO

CONTACT NAME Project Management Team  
COMPANY Merit Laboratories  
ADDRESS 2680 East Lansing Drive  
CITY East Lansing  
PHONE NO. 517-332-0167  
FAX NO.  
E-MAIL ADDRESS results@meritlabs.com

CHAIN OF CUSTODY RECORD

CONTACT NAME Julie Teague  
COMPANY Merit Laboratories  
ADDRESS 2680 East Lansing Drive  
CITY East Lansing  
PHONE NO. 517-332-0167  
E-MAIL ADDRESS juliet@meritlabs.com

INVOICE TO

STATE MI ZIP CODE 48823  
E-MAIL ADDRESS juliet@meritlabs.com

PROJECT NO./NAME S75293  
TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER  
DELIVERABLES REQUIRED  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

| MATRIX | YEAR | DATE   | TIME | IDENTIFICATION-DESCRIPTION | MATRIX | # OF BOTTLES | NOSE | NO | HNO | H2O | H3O | H5O | H6O | MACH | MOSH | OTHER |
|--------|------|--------|------|----------------------------|--------|--------------|------|----|-----|-----|-----|-----|-----|------|------|-------|
| GW     | 1555 | 6/3/25 | 1555 | S75293.01                  | GW     | 1            |      |    | 1   |     |     |     |     |      |      |       |
| GW     | 1130 | 6/4/25 | 1130 | S75293.03                  | GW     | 1            |      |    | 1   |     |     |     |     |      |      |       |

# Containers & Preservatives

Certifications  
 OHIO WAP  Drinking Water  
 DoD  NPDES  
Project Locations  
 Detroit  New York  
 Other  
Special Instructions

TOX

✓

✓

(On Ice)

\*\* Subcontracted to

GEL

2040 Savage Road

Charleston, SC 29407

RELINQUISHED BY: [Signature] DATE 6/25/17 TIME 17:00  
SIGNATURE/Organization [Signature]  
RECEIVED BY: [Signature] DATE 6/25/17 TIME 17:00  
SIGNATURE/Organization [Signature]

RELINQUISHED BY: [Signature] DATE 6/25/17 TIME 17:00  
SIGNATURE/Organization [Signature]  
RECEIVED BY: [Signature] DATE 6/25/17 TIME 17:00  
SIGNATURE/Organization [Signature]

SEAL NO. [ ] SEAL INTACT YES  NO  INITIALS [ ]  
SEAL NO. [ ] SEAL INTACT YES  NO  INITIALS [ ]

NOTES: TEMP. ON ARRIVAL 2°C

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

**SAMPLE RECEIPT & REVIEW FORM**

Client: MEEL SDG/AR/COC/Work Order: 727737 GEL PM: DS

Received By: Thyasia Tatum Date Received at GEL: 6/16/25

Carrier (Circle Applicable): FedEx Express FedEx Ground UPS Field Services Courier Client Other: IR Temp gun # IR2-23 Daily Calibration Performed Y

| Tracking Number           | Temp (C)  | If over 6 °C, check if samples do not require cold preservation (ie radchem only). | Tracking Number | Temp (C) | If over 6 °C, check if samples do not require cold preservation (ie radchem only). |
|---------------------------|-----------|--|-----------------|----------|--|
| <u>124064770103118109</u> | <u>20</u> |  |                 |          |  |
|                           |           |  |                 |          |  |
|                           |           |  |                 |          |  |
|                           |           |  |                 |          |  |

**Suspected Hazard Information**

Yes  No \*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.

Hazard Class Shipped: \_\_\_\_\_ UN#: \_\_\_\_\_  
 If 492910, Is the Radioactive Shipment Survey Compliant? Yes \_\_\_ No \_\_\_

A) Shipped as a DOT Hazardous?  Yes  No

B) Did the client designate the samples are to be received as radioactive?  Yes  No

C) Did the RSO classify the samples as radioactive?  Yes  No  
 Maximum Net Counts Observed\* (Observed Counts - Area Background Counts): 0 CPM mR/Hr  
 Classified as: Rad 1 Rad 2 Rad 3

D) Are there any sample hazards to document?  Yes  No  
 If yes, select Hazards below: PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other: \_\_\_\_\_

E) Was a SDS received and reviewed by Lab Safety?  Yes  No  
 Circle Applicable: See additional Comments below. No additional comments needed after review.

| Sample Receipt Criteria  | Yes                                 | NA                                  | No                       | Comments/Qualifiers (Required for Non-Conforming Items)  |
|--|-------------------------------------|-------------------------------------|--------------------------|--|
| 1 Shipping containers received intact and sealed?  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)   |
| 2 Chain of custody documents included with shipment?   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Client contacted and provided COC COC created upon receipt  |
| 3 If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Preservation Method: <u>Wet Ice</u> Ice Packs Dry Ice None Other:<br>*all temperatures recorded next to tracking numbers are in Celsius  |
| 4 Sample containers intact and sealed?   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Seals broken Damaged container Leaking container Other (describe)   |
| 5 Samples requiring chemical preservation at proper pH?                                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Preserved per COC request or list Sample IDs and Containers Affected:<br>If Preservation added, Lot#:  |
| 6 Do any samples require Volatile Analysis? (If yes, answer all three additional questions.) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | If Yes, are Encores or Soil Kits present? Yes ___ No ___ (If yes, take to VOA Freezer)<br>Do liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (if unknown, select No)<br>Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___<br>Sample IDs and containers affected: |
| 7 Samples received within holding time?  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | IDs and tests affected:  |
| 8 Sample IDs on COC match IDs on bottles?  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | IDs and containers affected:   |
| 9 Date & time on COC match date & time on bottles?   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)   |
| 10 Number of containers received match number indicated on COC?                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)  |
| 11 Are sample containers identifiable as GEL provided by use of GEL labels?                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 12 COC form is properly signed in relinquished/received sections?                            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Not relinquished Other (describe)   |

Comments:

PM (or PMA) review: Initials Am Date 6/16/25

Continuation Form Required when selected

**List of current GEL Certifications as of 20 June 2025**

| <b>State</b>              | <b>Certification</b> |
|---------------------------|----------------------|
| Alabama                   | 42200                |
| Alaska                    | 17-018               |
| Alaska Drinking Water     | SC00012              |
| Arkansas                  | 88-00651             |
| CLIA                      | 42D0904046           |
| California                | 2940                 |
| Colorado                  | SC00012              |
| Connecticut               | PH-0169              |
| DoD ELAP/ ISO17025 A2LA   | 2567.01              |
| Florida NELAP             | E87156               |
| Foreign Soils Permit      | 525-24-281-19660     |
| Georgia                   | SC00012              |
| Georgia SDWA              | 967                  |
| Hawaii                    | SC00012              |
| Idaho                     | SC00012              |
| Illinois NELAP            | 200029               |
| Indiana                   | C-SC-01              |
| Kansas NELAP              | E-10332              |
| Kentucky SDWA             | KY90129              |
| Kentucky Wastewater       | KY90129              |
| Louisiana Drinking Water  | LA024                |
| Louisiana NELAP           | 03046 (AI33904)      |
| Maine                     | 2023019              |
| Maryland                  | 270                  |
| Massachusetts             | M-SC012              |
| Massachusetts PFAS Approv | Letter               |
| Michigan                  | 9976                 |
| Mississippi               | SC00012              |
| Nebraska                  | NE-OS-26-13          |
| Nevada                    | NV-C24-00175         |
| New Hampshire NELAP       | 205424               |
| New Jersey NELAP          | SC002                |
| New Mexico                | SC00012              |
| New York NELAP            | 11501                |
| North Carolina            | 233                  |
| North Carolina SDWA       | 45709                |
| North Dakota              | R-158                |
| Oklahoma                  | 2023-152             |
| Pennsylvania NELAP        | 68-00485             |
| Puerto Rico               | SC00012              |
| S. Carolina Radiochem     | 10120002             |
| Sanitation Districts of L | 9255651              |
| South Carolina Chemistry  | 10120001             |
| Tennessee                 | TN 02934             |
| Texas NELAP               | T104704235           |
| Utah NELAP                | SC000122024-45       |
| Vermont                   | VT87156              |
| Virginia NELAP            | 460202               |
| Washington                | C780                 |



# Quality Control Report

Report ID: QC-S75293-01  
Generated on 06/23/2025

Report to  
Attention: Clifford Yantz  
Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Report Produced by  
Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: 313-333-0211 FAX:

Phone: (517) 332-0167 FAX: (517) 332-6333

## Report Summary

Lab Sample ID(s): S75293.01-S75293.03  
Project: RACER Coldwater Road  
Submitted Date/Time: 06/04/2025 14:00  
Sampled by: Kevin Schneider  
P.O. #: 1940011180 TASK 1

## QC Report Sections

Cover Page (Page 1)  
Analysis Summary (Pages 2-4)  
Prep Batch Summary (Pages 5-6)  
Surrogates per Lab Sample (Pages 7-9)  
Surrogates per QC Sample (Pages 10-11)  
Batch QC Results (Pages 12-30)

## Report Flag Descriptions

\*: QC result is outside of indicated control limits  
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball  
Quality Assurance Manager

## QC Report - Analysis Summary

**Lab Sample ID: S75293.01**

Sample Tag: B-28-20250603

Collected Date/Time: 06/03/2025 15:55

Matrix: Groundwater

COC Reference: 184989

| Analysis                     | Method             | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|--------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                    |                |                |                |      |                   |
| Chloride                     | E300.0             | 06/05/25 15:02 | CL250605-W1-A  | CL250605-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1             | 06/11/25 12:44 | COND250611-W1  | COND250611-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN06 | 12/25 13:56    | CN250612-W1    | CN250612-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1             | 06/10/25 15:18 | PHL250610-W1   | PHL250610-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0             | 06/05/25 15:02 | SFT250605-W1-A | SFT250605-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C            | 06/09/25 18:05 | TOC250609-W1   | TOC250609-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                    |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8             | 06/10/25 11:48 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8             | 06/10/25 11:48 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8             | 06/10/25 11:48 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8             | 06/10/25 11:48 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8             | 06/10/25 11:48 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8             | 06/13/25 14:42 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8             | 06/10/25 11:48 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                    |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C      | 06/05/25 18:32 | 250605A7       | VF250605W1     | Yes  | BLK/LCS/LCSD      |

# QC Report - Analysis Summary

**Lab Sample ID: S75293.02**

Sample Tag: Trip Blank-20250603

Collected Date/Time: 06/03/2025 00:01

Matrix: Water

COC Reference: 184989

| Analysis                     | Method        | Run Date/Time  | Batch ID  | Prep ID    | Surr | QC Types     |
|------------------------------|---------------|----------------|-----------|------------|------|--------------|
| <b>Organics - Volatiles</b>  |               |                |           |            |      |              |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 01:02 | 250605B11 | VF250605W4 | Yes  | BLK/LCS/LCSD |

# QC Report - Analysis Summary

**Lab Sample ID: S75293.03**

Sample Tag: B-23DR-20250604

Collected Date/Time: 06/04/2025 11:30

Matrix: Groundwater

COC Reference: 184989

| Analysis                     | Method             | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|--------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                    |                |                |                |      |                   |
| Chloride                     | E300.0             | 06/05/25 15:12 | CL250605-W1-A  | CL250605-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1             | 06/11/25 12:46 | COND250611-W1  | COND250611-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN06 | 12/25 14:05    | CN250612-W1    | CN250612-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1             | 06/10/25 15:22 | PHL250610-W1   | PHL250610-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0             | 06/05/25 15:12 | SFT250605-W1-A | SFT250605-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C            | 06/09/25 18:29 | TOC250609-W1   | TOC250609-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                    |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8             | 06/10/25 11:52 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8             | 06/10/25 11:52 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8             | 06/10/25 11:52 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8             | 06/10/25 11:52 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8             | 06/10/25 11:52 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8             | 06/13/25 14:44 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8             | 06/10/25 11:52 | MT4-25-0610A   | MTD-061025-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                    |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C      | 06/05/25 18:56 | 250605A7       | VF250605W1     | Yes  | BLK/LCS/LCSD      |

## QC Report - Prep Batch Summary

### Inorganics, Prep Batch ID: CL250605-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID      |
|-----------|----------|--------|----------------|---------------|
| S75293.01 | Chloride | E300.0 | 06/05/25 15:02 | CL250605-W1-A |
| S75293.03 | Chloride | E300.0 | 06/05/25 15:12 | CL250605-W1-A |

### Inorganics, Prep Batch ID: CN250612-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis       | Method                         | Run Date/Time  | Batch ID    |
|-----------|----------------|--------------------------------|----------------|-------------|
| S75293.01 | Cyanide, Total | E335.4/SM4500-CN06/12/25 13:56 | 06/12/25 13:56 | CN250612-W1 |
| S75293.03 | Cyanide, Total | E335.4/SM4500-CN06/12/25 14:05 | 06/12/25 14:05 | CN250612-W1 |

### Inorganics, Prep Batch ID: COND250611-W1

Surrogates: No, QC Types: BLK/LCS/DUP

| Sample ID | Analysis     | Method | Run Date/Time  | Batch ID      |
|-----------|--------------|--------|----------------|---------------|
| S75293.01 | Conductivity | E120.1 | 06/11/25 12:44 | COND250611-W1 |
| S75293.03 | Conductivity | E120.1 | 06/11/25 12:46 | COND250611-W1 |

### Inorganics, Prep Batch ID: PHL250610-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID     |
|-----------|----------|--------|----------------|--------------|
| S75293.01 | Phenols  | E420.1 | 06/10/25 15:18 | PHL250610-W1 |
| S75293.03 | Phenols  | E420.1 | 06/10/25 15:22 | PHL250610-W1 |

### Inorganics, Prep Batch ID: SFT250605-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID       |
|-----------|----------|--------|----------------|----------------|
| S75293.01 | Sulfate  | E300.0 | 06/05/25 15:02 | SFT250605-W1-A |
| S75293.03 | Sulfate  | E300.0 | 06/05/25 15:12 | SFT250605-W1-A |

### Inorganics, Prep Batch ID: TOC250609-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method  | Run Date/Time  | Batch ID     |
|-----------|----------|---------|----------------|--------------|
| S75293.01 | TOC      | SM5310C | 06/09/25 18:05 | TOC250609-W1 |
| S75293.03 | TOC      | SM5310C | 06/09/25 18:29 | TOC250609-W1 |

### Metals, Prep Batch ID: MTD-061025-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis             | Method | Run Date/Time  | Batch ID     |
|-----------|----------------------|--------|----------------|--------------|
| S75293.01 | Chromium, Dissolved  | E200.8 | 06/10/25 11:48 | MT4-25-0610A |
| S75293.01 | Copper, Dissolved    | E200.8 | 06/10/25 11:48 | MT4-25-0610A |
| S75293.01 | Iron, Dissolved      | E200.8 | 06/10/25 11:48 | MT4-25-0610A |
| S75293.01 | Manganese, Dissolved | E200.8 | 06/10/25 11:48 | MT4-25-0610A |
| S75293.01 | Nickel, Dissolved    | E200.8 | 06/10/25 11:48 | MT4-25-0610A |
| S75293.01 | Zinc, Dissolved      | E200.8 | 06/10/25 11:48 | MT4-25-0610A |
| S75293.03 | Chromium, Dissolved  | E200.8 | 06/10/25 11:52 | MT4-25-0610A |
| S75293.03 | Copper, Dissolved    | E200.8 | 06/10/25 11:52 | MT4-25-0610A |
| S75293.03 | Iron, Dissolved      | E200.8 | 06/10/25 11:52 | MT4-25-0610A |
| S75293.03 | Manganese, Dissolved | E200.8 | 06/10/25 11:52 | MT4-25-0610A |
| S75293.03 | Nickel, Dissolved    | E200.8 | 06/10/25 11:52 | MT4-25-0610A |
| S75293.03 | Zinc, Dissolved      | E200.8 | 06/10/25 11:52 | MT4-25-0610A |

# QC Report - Prep Batch Summary

## Metals, Prep Batch ID: MTD-061325-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID     |
|-----------|----------|--------|----------------|--------------|
| S75293.01 | Sodium   | E200.8 | 06/13/25 14:42 | MT4-25-0613B |
| S75293.03 | Sodium   | E200.8 | 06/13/25 14:44 | MT4-25-0613B |

## Organics - Volatiles, Prep Batch ID: VF250605W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD

| Sample ID | Analysis                     | Method        | Run Date/Time  | Batch ID |
|-----------|------------------------------|---------------|----------------|----------|
| S75293.01 | Volatile Organics - DEQ List | SW5030C/8260C | 06/05/25 18:32 | 250605A7 |
| S75293.03 | Volatile Organics - DEQ List | SW5030C/8260C | 06/05/25 18:56 | 250605A7 |

## Organics - Volatiles, Prep Batch ID: VF250605W4

Surrogates: Yes, QC Types: BLK/LCS/LCSD

| Sample ID | Analysis                     | Method        | Run Date/Time  | Batch ID  |
|-----------|------------------------------|---------------|----------------|-----------|
| S75293.02 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 01:02 | 250605B11 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75293.01

Sample Tag: B-28-20250603

Collected Date/Time: 06/03/2025 15:55

Matrix: Groundwater

COC Reference: 184989

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605A7, Run Date: 06/05/2025 18:32, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec         | LCL  | UCL   |
|-----------------------|-------|--------------|------|-------|
| 4-Bromofluorobenzene  |       | <b>99.3</b>  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | <b>104.3</b> | 72.0 | 125.0 |
| Toluene-D8            |       | <b>104.0</b> | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75293.02

Sample Tag: Trip Blank-20250603

Collected Date/Time: 06/03/2025 00:01

Matrix: Water

COC Reference: 184989

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605B11, Run Date: 06/06/2025 01:02, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 94.5  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 104.9 | 72.0 | 125.0 |
| Toluene-D8            |       | 97.8  | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75293.03

Sample Tag: B-23DR-20250604

Collected Date/Time: 06/04/2025 11:30

Matrix: Groundwater

COC Reference: 184989

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605A7, Run Date: 06/05/2025 18:56, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 98.3  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 105.8 | 72.0 | 125.0 |
| Toluene-D8            |       | 100.3 | 89.0 | 112.0 |

# QC Report - Surrogates per QC Sample

## Organics - Volatiles, Prep Batch ID: VF250605W1

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: 250605A7.BLKW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 14:34, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 99.3  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 103.6 | 72.0 | 125.0 |
| Toluene-D8            |       | 100.3 | 89.0 | 112.0 |

### Laboratory Control Sample (LCS)

Lab Sample ID: 250605A7.LCSW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 12:59, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 98.2  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 99.0  | 72.0 | 125.0 |
| Toluene-D8            |       | 101.3 | 89.0 | 112.0 |

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250605A7.LCSDW05A, Parent Sample ID: 250605A7.LCSW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 13:23, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 98.4  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 100.5 | 72.0 | 125.0 |
| Toluene-D8            |       | 102.0 | 89.0 | 112.0 |

# QC Report - Surrogates per QC Sample

## Organics - Volatiles, Prep Batch ID: VF250605W4

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: 250605B11.BLKW05B

Run in Batch: 250605B11, Run Date: 06/06/2025 00:38, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 93.5  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 100.9 | 72.0 | 125.0 |
| Toluene-D8            |       | 97.4  | 89.0 | 112.0 |

### Laboratory Control Sample (LCS)

Lab Sample ID: 250605B11.LCSW05B

Run in Batch: 250605B11, Run Date: 06/05/2025 23:03, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 96.5 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 96.7 | 72.0 | 125.0 |
| Toluene-D8            |       | 98.3 | 89.0 | 112.0 |

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250605B11.LCSDW05B, Parent Sample ID: 250605B11.LCSW05B

Run in Batch: 250605B11, Run Date: 06/05/2025 23:27, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 96.6 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 94.9 | 72.0 | 125.0 |
| Toluene-D8            |       | 98.0 | 89.0 | 112.0 |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CL250605-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: CL250605-W1-A.LRB1

Run in Batch: CL250605-W1-A, Run Date: 06/05/2025 13:00, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

| Analyte  | Flags | Conc | RDL | Units |
|----------|-------|------|-----|-------|
| Chloride |       | ND   | 1.0 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: CL250605-W1-A.LCS1

Run in Batch: CL250605-W1-A, Run Date: 06/05/2025 12:41, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

| Analyte  | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chloride |       | 102.0 | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: CL250605-W1-A.MS1, Parent Sample ID: S75259.01

Run in Batch: CL250605-W1-A, Run Date: 06/05/2025 14:42, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chloride |       | 117.2 | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: CL250605-W1-A.MSD1, Parent Sample ID: CL250605-W1-A.MS1

Run in Batch: CL250605-W1-A, Run Date: 06/05/2025 14:52, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chloride |       | 116.0 | 80  | 120 | 0   | 15     |

### Duplicate (DUP)

Lab Sample ID: CL250605-W1-A.DP1, Parent Sample ID: S75259.01

Run in Batch: CL250605-W1-A, Run Date: 06/05/2025 14:32, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | RPD | RPD CL |
|----------|-------|-----|--------|
| Chloride |       | 0.1 | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CN250612-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: CN250612-W1.LRB1

Run in Batch: CN250612-W1, Run Date: 06/12/2025 13:20, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | Conc | RDL   | Units |
|----------------|-------|------|-------|-------|
| Cyanide, Total |       | ND   | 0.004 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250612-W1.LCS1

Run in Batch: CN250612-W1, Run Date: 06/12/2025 13:21, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 102   | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250612-W1.LCS2

Run in Batch: CN250612-W1, Run Date: 06/12/2025 13:22, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 97    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: CN250612-W1.MS1, Parent Sample ID: S75487.01

Run in Batch: CN250612-W1, Run Date: 06/12/2025 13:24, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total | *     | 74    | 90  | 110 |

### Duplicate (DUP)

Lab Sample ID: CN250612-W1.DP1, Parent Sample ID: S75487.01

Run in Batch: CN250612-W1, Run Date: 06/12/2025 13:23, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | RPD | RPD CL |
|----------------|-------|-----|--------|
| Cyanide, Total |       | NC  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: COND250611-W1

Surrogates: No, QC Types: BLK/LCS/DUP

### Blank (BLK)

Lab Sample ID: COND250611-W1.LRB1

Run in Batch: COND250611-W1, Run Date: 06/11/2025 12:00, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | Conc | RDL | Units |
|--------------|-------|------|-----|-------|
| Conductivity |       | ND   | 1   | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: COND250611-W1.LCS1

Run in Batch: COND250611-W1, Run Date: 06/11/2025 12:06, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | % Rec | LCL | UCL |
|--------------|-------|-------|-----|-----|
| Conductivity |       | 98    | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: COND250611-W1.LCS2

Run in Batch: COND250611-W1, Run Date: 06/11/2025 12:08, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | % Rec | LCL | UCL |
|--------------|-------|-------|-----|-----|
| Conductivity |       | 92    | 90  | 110 |

### Duplicate (DUP)

Lab Sample ID: COND250611-W1.DP1, Parent Sample ID: S75174.01

Run in Batch: COND250611-W1, Run Date: 06/11/2025 12:12, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 50

| Analyte      | Flags | RPD | RPD CL |
|--------------|-------|-----|--------|
| Conductivity |       | <1  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: PHL250610-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: PHL250610-W1.LRB1

Run in Batch: PHL250610-W1, Run Date: 06/10/2025 15:00, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL  | Units |
|---------|-------|------|------|-------|
| Phenols |       | ND   | 0.01 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: PHL250610-W1.LCS1

Run in Batch: PHL250610-W1, Run Date: 06/10/2025 15:06, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Phenols |       | 98    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: PHL250610-W1.MS1, Parent Sample ID: S75293.01

Run in Batch: PHL250610-W1, Run Date: 06/10/2025 15:20, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Phenols |       | 87    | 80  | 120 |

### Duplicate (DUP)

Lab Sample ID: PHL250610-W1.DP1, Parent Sample ID: S75118.01

Run in Batch: PHL250610-W1, Run Date: 06/10/2025 15:10, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1.7

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| Phenols |       | <1  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: SFT250605-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: SFT250605-W1-A.LRB1

Run in Batch: SFT250605-W1-A, Run Date: 06/05/2025 13:00, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|---------|-------|------|-----|-------|
| Sulfate |       | ND   | 1.0 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: SFT250605-W1-A.LCS1

Run in Batch: SFT250605-W1-A, Run Date: 06/05/2025 12:41, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sulfate |       | 105.0 | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: SFT250605-W1-A.MS1, Parent Sample ID: S75259.01

Run in Batch: SFT250605-W1-A, Run Date: 06/05/2025 14:42, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sulfate |       | 101.6 | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: SFT250605-W1-A.MSD1, Parent Sample ID: SFT250605-W1-A.MS1

Run in Batch: SFT250605-W1-A, Run Date: 06/05/2025 14:52, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sulfate |       | 100.9 | 80  | 120 | 0   | 15     |

### Duplicate (DUP)

Lab Sample ID: SFT250605-W1-A.DP1, Parent Sample ID: S75259.01

Run in Batch: SFT250605-W1-A, Run Date: 06/05/2025 14:32, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| Sulfate |       | 0.4 | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: TOC250609-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: TOC250609-W1.LRB1

Run in Batch: TOC250609-W1, Run Date: 06/09/2025 12:50, Prep Date: 06/09/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|---------|-------|------|-----|-------|
| TOC     |       | ND   | 1   | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: TOC250609-W1.LCS1

Run in Batch: TOC250609-W1, Run Date: 06/09/2025 13:42, Prep Date: 06/09/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC     |       | 98    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: TOC250609-W1.MS1, Parent Sample ID: S75292.02

Run in Batch: TOC250609-W1, Run Date: 06/09/2025 15:19, Prep Date: 06/09/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC     |       | 99    | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: TOC250609-W1.MSD1, Parent Sample ID: TOC250609-W1.MS1

Run in Batch: TOC250609-W1, Run Date: 06/09/2025 15:43, Prep Date: 06/09/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| TOC     |       | 99    | 80  | 120 | 0   | 15     |

### Duplicate (DUP)

Lab Sample ID: TOC250609-W1.DP1, Parent Sample ID: S75292.01

Run in Batch: TOC250609-W1, Run Date: 06/09/2025 14:24, Prep Date: 06/09/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| TOC     |       | <1  | 15     |

## QC Report - Batch QC Results

### Metals, Prep Batch ID: MTD-061025-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

#### Blank (BLK)

Lab Sample ID: MT4-25-0610A.022.LRB

Run in Batch: MT4-25-0610A, Run Date: 06/10/2025 11:44, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte   | Flags | Conc | RDL   | Units |
|-----------|-------|------|-------|-------|
| Chromium  |       | ND   | 0.001 | mg/L  |
| Copper    |       | ND   | 0.001 | mg/L  |
| Iron      |       | ND   | 0.004 | mg/L  |
| Manganese |       | ND   | 0.001 | mg/L  |
| Nickel    |       | ND   | 0.001 | mg/L  |
| Zinc      |       | ND   | 0.001 | mg/L  |

#### Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0610A.021.LCS

Run in Batch: MT4-25-0610A, Run Date: 06/10/2025 11:41, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 99    | 85  | 115 |
| Copper    |       | 100   | 85  | 115 |
| Iron      |       | 100   | 85  | 115 |
| Manganese |       | 100   | 85  | 115 |
| Nickel    |       | 100   | 85  | 115 |
| Zinc      |       | 100   | 85  | 115 |

#### Matrix Spike (MS)

Lab Sample ID: MT4-25-0610A.043.MS, Parent Sample ID: S75414.01

Run in Batch: MT4-25-0610A, Run Date: 06/10/2025 12:33, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 114   | 75  | 125 |
| Copper    |       | 94    | 75  | 125 |
| Iron      |       | 104   | 75  | 125 |
| Manganese |       | 108   | 75  | 125 |
| Nickel    |       | 102   | 75  | 125 |
| Zinc      |       | 97    | 75  | 125 |

#### Matrix Spike (MS)

Lab Sample ID: MT4-25-0610A.063.MS, Parent Sample ID: S75447.01

Run in Batch: MT4-25-0610A, Run Date: 06/10/2025 13:12, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 5

| Analyte  | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chromium |       | 102   | 75  | 125 |
| Copper   |       | 98    | 75  | 125 |
| Nickel   |       | 101   | 75  | 125 |
| Zinc     |       | 101   | 75  | 125 |

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0610A.044.MSD, Parent Sample ID: MT4-25-0610A.043.MS

Run in Batch: MT4-25-0610A, Run Date: 06/10/2025 12:34, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|-----------|-------|-------|-----|-----|-----|--------|
| Chromium  |       | 117   | 75  | 125 | 2   | 20     |
| Copper    |       | 97    | 75  | 125 | 2   | 20     |
| Iron      |       | 109   | 75  | 125 | 3   | 20     |
| Manganese |       | 110   | 75  | 125 | 2   | 20     |

# QC Report - Batch QC Results

## Metals, Prep Batch ID: MTD-061025-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

## Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: MT4-25-0610A.044.MSD, Parent Sample ID: MT4-25-0610A.043.MS

Run in Batch: MT4-25-0610A, Run Date: 06/10/2025 12:34, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Nickel  |       | 106   | 75  | 125 | 4   | 20     |
| Zinc    |       | 96    | 75  | 125 | 1   | 20     |

## Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0610A.064.MSD, Parent Sample ID: MT4-25-0610A.063.MS

Run in Batch: MT4-25-0610A, Run Date: 06/10/2025 13:13, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 5

| Analyte  | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chromium |       | 102   | 75  | 125 | 0   | 20     |
| Copper   |       | 97    | 75  | 125 | 1   | 20     |
| Nickel   |       | 99    | 75  | 125 | 2   | 20     |
| Zinc     |       | 99    | 75  | 125 | 2   | 20     |

# QC Report - Batch QC Results

## Metals, Prep Batch ID: MTD-061325-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

### Blank (BLK)

Lab Sample ID: MT4-25-0613B.015.LRB

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 14:41, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL  | Units |
|---------|-------|------|------|-------|
| Sodium  |       | ND   | 0.05 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0613B.014.LCS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 14:35, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 96    | 85  | 115 |

### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613B.035.MS, Parent Sample ID: S75412.05

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:00, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 98    | 75  | 125 |

### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613B.051.MS, Parent Sample ID: S75412.11

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:15, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 95    | 75  | 125 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613B.036.MSD, Parent Sample ID: MT4-25-0613B.035.MS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:01, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sodium  |       | 98    | 75  | 125 | 0   | 20     |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613B.052.MSD, Parent Sample ID: MT4-25-0613B.051.MS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:16, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sodium  |       | 95    | 75  | 125 | 0   | 20     |

# QC Report - Batch QC Results

**Organics - Volatiles, Prep Batch ID: VF250605W1**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: 250605A7.BLKW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 14:34, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | Conc | RDL   | Units |
|--------------------------------|-------|------|-------|-------|
| Diethyl ether                  |       | ND   | 1.00  | ug/l  |
| Acetone                        |       | ND   | 10.00 | ug/l  |
| Methyl iodide                  |       | ND   | 1.00  | ug/l  |
| Carbon disulfide               |       | ND   | 1.00  | ug/l  |
| tert-Methyl butyl ether (MTBE) |       | ND   | 1.00  | ug/l  |
| Acrylonitrile                  |       | ND   | 1.00  | ug/l  |
| 2-Butanone (MEK)               |       | ND   | 10.00 | ug/l  |
| Dichlorodifluoromethane        |       | ND   | 1.00  | ug/l  |
| Chloromethane                  |       | ND   | 1.00  | ug/l  |
| Vinyl chloride                 |       | ND   | 1.00  | ug/l  |
| Bromomethane                   |       | ND   | 1.00  | ug/l  |
| Chloroethane                   |       | ND   | 1.00  | ug/l  |
| Trichlorofluoromethane         |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethene             |       | ND   | 1.00  | ug/l  |
| Methylene chloride             |       | ND   | 1.00  | ug/l  |
| trans-1,2-Dichloroethene       |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| cis-1,2-Dichloroethene         |       | ND   | 1.00  | ug/l  |
| Tetrahydrofuran                |       | ND   | 10.00 | ug/l  |
| Chloroform                     |       | ND   | 1.00  | ug/l  |
| Bromochloromethane             |       | ND   | 1.00  | ug/l  |
| 1,1,1-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| 4-Methyl-2-pentanone (MIBK)    |       | ND   | 10.00 | ug/l  |
| 2-Hexanone                     |       | ND   | 10.00 | ug/l  |
| Carbon tetrachloride           |       | ND   | 1.00  | ug/l  |
| Benzene                        |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| Trichloroethene                |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloropropane            |       | ND   | 1.00  | ug/l  |
| Bromodichloromethane           |       | ND   | 1.00  | ug/l  |
| Dibromomethane                 |       | ND   | 1.00  | ug/l  |
| cis-1,3-Dichloropropene        |       | ND   | 1.00  | ug/l  |
| Toluene                        |       | ND   | 1.00  | ug/l  |
| trans-1,3-Dichloropropene      |       | ND   | 1.00  | ug/l  |
| 1,1,2-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| Tetrachloroethene              |       | ND   | 1.00  | ug/l  |
| trans-1,4-Dichloro-2-butene    |       | ND   | 1.00  | ug/l  |
| Dibromochloromethane           |       | ND   | 1.00  | ug/l  |
| 1,2-Dibromoethane              |       | ND   | 1.00  | ug/l  |
| Chlorobenzene                  |       | ND   | 1.00  | ug/l  |
| 1,1,1,2-Tetrachloroethane      |       | ND   | 1.00  | ug/l  |
| Ethylbenzene                   |       | ND   | 1.00  | ug/l  |
| p,m-Xylene                     |       | ND   | 2.00  | ug/l  |
| o-Xylene                       |       | ND   | 1.00  | ug/l  |
| Styrene                        |       | ND   | 1.00  | ug/l  |
| Isopropylbenzene               |       | ND   | 1.00  | ug/l  |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250605W1 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK) (continued)**

Lab Sample ID: 250605A7.BLKW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 14:34, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | Conc | RDL  | Units |
|-----------------------------|-------|------|------|-------|
| Bromoform                   |       | ND   | 1.00 | ug/l  |
| 1,1,2,2-Tetrachloroethane   |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichloropropane      |       | ND   | 1.00 | ug/l  |
| n-Propylbenzene             |       | ND   | 1.00 | ug/l  |
| Bromobenzene                |       | ND   | 1.00 | ug/l  |
| 1,3,5-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| tert-Butylbenzene           |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| sec-Butylbenzene            |       | ND   | 1.00 | ug/l  |
| p-Isopropyltoluene          |       | ND   | 1.00 | ug/l  |
| 1,3-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,4-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| n-Butylbenzene              |       | ND   | 1.00 | ug/l  |
| Hexachloroethane            |       | ND   | 1.00 | ug/l  |
| 1,2-Dibromo-3-chloropropane |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| Naphthalene                 |       | ND   | 1.00 | ug/l  |
| 2-Methylnaphthalene         |       | ND   | 1.00 | ug/l  |

**Laboratory Control Sample (LCS)**

Lab Sample ID: 250605A7.LCSW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 12:59, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   |
|--------------------------------|-------|-------|------|-------|
| Diethyl ether                  |       | 108.4 | 67.4 | 121.2 |
| Acetone                        |       | 96.4  | 29.9 | 161.5 |
| Methyl iodide                  |       | 112.4 | 68.8 | 116.4 |
| Carbon disulfide               |       | 116.2 | 63.8 | 137.4 |
| tert-Methyl butyl ether (MTBE) |       | 117.6 | 73.2 | 122.4 |
| Acrylonitrile                  |       | 120.9 | 69.9 | 128.9 |
| 2-Butanone (MEK)               |       | 112.5 | 44.0 | 134.4 |
| Dichlorodifluoromethane        |       | 121.6 | 10.0 | 222.8 |
| Chloromethane                  |       | 115.5 | 23.8 | 166.5 |
| Vinyl chloride                 |       | 110.5 | 43.5 | 149.1 |
| Bromomethane                   |       | 108.7 | 56.8 | 151.3 |
| Chloroethane                   |       | 111.1 | 53.4 | 149.4 |
| Trichlorofluoromethane         |       | 101.1 | 59.7 | 151.8 |
| 1,1-Dichloroethene             |       | 94.3  | 69.6 | 139.4 |
| Methylene chloride             |       | 114.7 | 73.3 | 121.1 |
| trans-1,2-Dichloroethene       |       | 117.0 | 73.6 | 129.3 |
| 1,1-Dichloroethane             |       | 115.9 | 71.5 | 126.2 |
| cis-1,2-Dichloroethene         |       | 114.5 | 76.6 | 122.1 |
| Tetrahydrofuran                |       | 116.5 | 59.0 | 117.9 |
| Chloroform                     |       | 114.7 | 78.4 | 124.0 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250605W1 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250605A7.LCSW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 12:59, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   |
|-----------------------------|-------|-------|------|-------|
| Bromochloromethane          |       | 114.2 | 78.2 | 120.8 |
| 1,1,1-Trichloroethane       |       | 115.3 | 79.4 | 130.9 |
| 4-Methyl-2-pentanone (MIBK) |       | 112.4 | 71.6 | 125.2 |
| 2-Hexanone                  |       | 112.9 | 55.4 | 136.9 |
| Carbon tetrachloride        |       | 112.4 | 72.6 | 133.0 |
| Benzene                     |       | 112.3 | 79.9 | 124.9 |
| 1,2-Dichloroethane          |       | 111.1 | 76.0 | 126.3 |
| Trichloroethene             |       | 111.7 | 79.7 | 124.2 |
| 1,2-Dichloropropane         |       | 112.4 | 78.6 | 126.4 |
| Bromodichloromethane        |       | 114.8 | 80.4 | 128.2 |
| Dibromomethane              |       | 112.1 | 76.9 | 122.1 |
| cis-1,3-Dichloropropene     |       | 116.6 | 79.8 | 129.9 |
| Toluene                     |       | 112.6 | 79.8 | 124.5 |
| trans-1,3-Dichloropropene   |       | 117.4 | 74.0 | 131.3 |
| 1,1,2-Trichloroethane       |       | 112.3 | 78.7 | 123.1 |
| Tetrachloroethene           |       | 108.6 | 74.5 | 124.5 |
| trans-1,4-Dichloro-2-butene |       | 109.2 | 68.6 | 135.4 |
| Dibromochloromethane        |       | 108.4 | 74.6 | 127.2 |
| 1,2-Dibromoethane           |       | 106.7 | 70.3 | 133.7 |
| Chlorobenzene               |       | 105.2 | 79.2 | 122.7 |
| 1,1,1,2-Tetrachloroethane   |       | 108.6 | 80.3 | 128.2 |
| Ethylbenzene                |       | 105.9 | 79.5 | 129.1 |
| p,m-Xylene                  |       | 105.0 | 79.4 | 132.2 |
| o-Xylene                    |       | 107.3 | 80.2 | 131.0 |
| Styrene                     |       | 108.0 | 69.5 | 126.7 |
| Isopropylbenzene            |       | 105.8 | 74.4 | 121.5 |
| Bromoform                   |       | 106.3 | 69.4 | 128.0 |
| 1,1,2,2-Tetrachloroethane   |       | 107.8 | 79.8 | 126.3 |
| 1,2,3-Trichloropropane      |       | 105.5 | 78.3 | 138.8 |
| n-Propylbenzene             |       | 106.3 | 82.0 | 130.7 |
| Bromobenzene                |       | 105.2 | 78.7 | 124.6 |
| 1,3,5-Trimethylbenzene      |       | 106.3 | 81.3 | 128.9 |
| tert-Butylbenzene           |       | 106.6 | 80.7 | 128.9 |
| 1,2,4-Trimethylbenzene      |       | 106.2 | 81.4 | 130.8 |
| sec-Butylbenzene            |       | 104.3 | 77.4 | 129.8 |
| p-Isopropyltoluene          |       | 105.9 | 79.8 | 137.5 |
| 1,3-Dichlorobenzene         |       | 105.5 | 77.0 | 131.3 |
| 1,4-Dichlorobenzene         |       | 103.6 | 20.7 | 137.7 |
| 1,2-Dichlorobenzene         |       | 105.9 | 10.0 | 166.2 |
| 1,2,3-Trimethylbenzene      |       | 104.8 | 76.3 | 124.2 |
| n-Butylbenzene              |       | 105.5 | 80.0 | 133.3 |
| Hexachloroethane            |       | 106.2 | 23.8 | 138.1 |
| 1,2-Dibromo-3-chloropropane |       | 110.6 | 21.2 | 189.4 |
| 1,2,4-Trichlorobenzene      |       | 111.8 | 27.4 | 143.4 |
| 1,2,3-Trichlorobenzene      |       | 110.3 | 75.4 | 131.4 |
| Naphthalene                 |       | 115.0 | 32.9 | 135.8 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250605W1 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250605A7.LCSW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 12:59, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte             | Flags | % Rec | LCL  | UCL   |
|---------------------|-------|-------|------|-------|
| 2-Methylnaphthalene |       | 103.6 | 25.5 | 165.5 |

**Laboratory Control Sample Duplicate (LCSD)**

Lab Sample ID: 250605A7.LCSDW05A, Parent Sample ID: 250605A7.LCSW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 13:23, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|--------------------------------|-------|-------|------|-------|------|--------|
| Diethyl ether                  | *     | 123.9 | 67.4 | 121.2 | 13.3 | 30.0   |
| Acetone                        |       | 119.1 | 29.9 | 161.5 | 21.0 | 30.0   |
| Methyl iodide                  | *     | 121.8 | 68.8 | 116.4 | 8.1  | 30.0   |
| Carbon disulfide               |       | 118.1 | 63.8 | 137.4 | 1.6  | 30.0   |
| tert-Methyl butyl ether (MTBE) | *     | 128.1 | 73.2 | 122.4 | 8.5  | 30.0   |
| Acrylonitrile                  | *     | 133.2 | 69.9 | 128.9 | 9.7  | 30.0   |
| 2-Butanone (MEK)               |       | 124.2 | 44.0 | 134.4 | 9.9  | 30.0   |
| Dichlorodifluoromethane        |       | 125.1 | 10.0 | 222.8 | 2.9  | 30.0   |
| Chloromethane                  |       | 121.8 | 23.8 | 166.5 | 5.3  | 30.0   |
| Vinyl chloride                 |       | 115.4 | 43.5 | 149.1 | 4.3  | 30.0   |
| Bromomethane                   |       | 114.3 | 56.8 | 151.3 | 5.0  | 30.0   |
| Chloroethane                   |       | 115.0 | 53.4 | 149.4 | 3.4  | 30.0   |
| Trichlorofluoromethane         |       | 104.3 | 59.7 | 151.8 | 3.1  | 30.0   |
| 1,1-Dichloroethene             |       | 119.9 | 69.6 | 139.4 | 23.9 | 30.0   |
| Methylene chloride             |       | 119.5 | 73.3 | 121.1 | 4.1  | 30.0   |
| trans-1,2-Dichloroethene       |       | 120.4 | 73.6 | 129.3 | 2.9  | 30.0   |
| 1,1-Dichloroethane             |       | 120.3 | 71.5 | 126.2 | 3.7  | 30.0   |
| cis-1,2-Dichloroethene         |       | 118.1 | 76.6 | 122.1 | 3.1  | 30.0   |
| Tetrahydrofuran                | *     | 132.8 | 59.0 | 117.9 | 13.0 | 30.0   |
| Chloroform                     |       | 119.1 | 78.4 | 124.0 | 3.7  | 30.0   |
| Bromochloromethane             |       | 120.1 | 78.2 | 120.8 | 5.1  | 30.0   |
| 1,1,1-Trichloroethane          |       | 119.0 | 79.4 | 130.9 | 3.1  | 30.0   |
| 4-Methyl-2-pentanone (MIBK)    |       | 120.7 | 71.6 | 125.2 | 7.1  | 30.0   |
| 2-Hexanone                     |       | 126.6 | 55.4 | 136.9 | 11.5 | 30.0   |
| Carbon tetrachloride           |       | 114.4 | 72.6 | 133.0 | 1.8  | 30.0   |
| Benzene                        |       | 116.1 | 79.9 | 124.9 | 3.3  | 30.0   |
| 1,2-Dichloroethane             |       | 117.6 | 76.0 | 126.3 | 5.7  | 30.0   |
| Trichloroethene                |       | 113.8 | 79.7 | 124.2 | 1.8  | 30.0   |
| 1,2-Dichloropropane            |       | 119.3 | 78.6 | 126.4 | 6.0  | 30.0   |
| Bromodichloromethane           |       | 120.0 | 80.4 | 128.2 | 4.4  | 30.0   |
| Dibromomethane                 |       | 119.3 | 76.9 | 122.1 | 6.3  | 30.0   |
| cis-1,3-Dichloropropene        |       | 124.0 | 79.8 | 129.9 | 6.2  | 30.0   |
| Toluene                        |       | 116.1 | 79.8 | 124.5 | 3.1  | 30.0   |
| trans-1,3-Dichloropropene      |       | 126.5 | 74.0 | 131.3 | 7.5  | 30.0   |
| 1,1,2-Trichloroethane          |       | 120.6 | 78.7 | 123.1 | 7.1  | 30.0   |
| Tetrachloroethene              |       | 112.1 | 74.5 | 124.5 | 3.2  | 30.0   |
| trans-1,4-Dichloro-2-butene    |       | 119.9 | 68.6 | 135.4 | 9.4  | 30.0   |
| Dibromochloromethane           |       | 114.9 | 74.6 | 127.2 | 5.8  | 30.0   |
| 1,2-Dibromoethane              |       | 114.8 | 70.3 | 133.7 | 7.3  | 30.0   |
| Chlorobenzene                  |       | 108.1 | 79.2 | 122.7 | 2.7  | 30.0   |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250605W1 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample Duplicate (LCSD) (continued)**

Lab Sample ID: 250605A7.LCSDW05A, Parent Sample ID: 250605A7.LCSW05A

Run in Batch: 250605A7, Run Date: 06/05/2025 13:23, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|-----------------------------|-------|-------|------|-------|------|--------|
| 1,1,1,2-Tetrachloroethane   |       | 111.0 | 80.3 | 128.2 | 2.2  | 30.0   |
| Ethylbenzene                |       | 108.0 | 79.5 | 129.1 | 2.0  | 30.0   |
| p,m-Xylene                  |       | 107.7 | 79.4 | 132.2 | 2.6  | 30.0   |
| o-Xylene                    |       | 110.4 | 80.2 | 131.0 | 2.9  | 30.0   |
| Styrene                     |       | 113.2 | 69.5 | 126.7 | 4.7  | 30.0   |
| Isopropylbenzene            |       | 107.6 | 74.4 | 121.5 | 1.8  | 30.0   |
| Bromoform                   |       | 115.3 | 69.4 | 128.0 | 8.1  | 30.0   |
| 1,1,2,2-Tetrachloroethane   |       | 116.9 | 79.8 | 126.3 | 8.1  | 30.0   |
| 1,2,3-Trichloropropane      |       | 115.1 | 78.3 | 138.8 | 8.7  | 30.0   |
| n-Propylbenzene             |       | 108.7 | 82.0 | 130.7 | 2.2  | 30.0   |
| Bromobenzene                |       | 109.9 | 78.7 | 124.6 | 4.3  | 30.0   |
| 1,3,5-Trimethylbenzene      |       | 108.7 | 81.3 | 128.9 | 2.3  | 30.0   |
| tert-Butylbenzene           |       | 109.5 | 80.7 | 128.9 | 2.7  | 30.0   |
| 1,2,4-Trimethylbenzene      |       | 109.8 | 81.4 | 130.8 | 3.3  | 30.0   |
| sec-Butylbenzene            |       | 106.0 | 77.4 | 129.8 | 1.6  | 30.0   |
| p-Isopropyltoluene          |       | 118.6 | 79.8 | 137.5 | 11.4 | 30.0   |
| 1,3-Dichlorobenzene         |       | 108.2 | 77.0 | 131.3 | 2.5  | 30.0   |
| 1,4-Dichlorobenzene         |       | 107.7 | 20.7 | 137.7 | 3.9  | 30.0   |
| 1,2-Dichlorobenzene         |       | 110.0 | 10.0 | 166.2 | 3.8  | 30.0   |
| 1,2,3-Trimethylbenzene      |       | 107.2 | 76.3 | 124.2 | 2.2  | 30.0   |
| n-Butylbenzene              |       | 106.5 | 80.0 | 133.3 | 0.9  | 30.0   |
| Hexachloroethane            |       | 108.6 | 23.8 | 138.1 | 2.2  | 30.0   |
| 1,2-Dibromo-3-chloropropane |       | 124.5 | 21.2 | 189.4 | 11.9 | 30.0   |
| 1,2,4-Trichlorobenzene      |       | 116.9 | 27.4 | 143.4 | 4.5  | 30.0   |
| 1,2,3-Trichlorobenzene      |       | 118.1 | 75.4 | 131.4 | 6.9  | 30.0   |
| Naphthalene                 |       | 125.6 | 32.9 | 135.8 | 8.8  | 30.0   |
| 2-Methylnaphthalene         |       | 115.0 | 25.5 | 165.5 | 10.5 | 30.0   |

## QC Report - Batch QC Results

**Organics - Volatiles, Prep Batch ID: VF250605W4**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: 250605B11.BLKW05B

Run in Batch: 250605B11, Run Date: 06/06/2025 00:38, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | Conc | RDL   | Units |
|--------------------------------|-------|------|-------|-------|
| Diethyl ether                  |       | ND   | 1.00  | ug/l  |
| Acetone                        |       | ND   | 10.00 | ug/l  |
| Methyl iodide                  |       | ND   | 1.00  | ug/l  |
| Carbon disulfide               |       | ND   | 1.00  | ug/l  |
| tert-Methyl butyl ether (MTBE) |       | ND   | 1.00  | ug/l  |
| Acrylonitrile                  |       | ND   | 1.00  | ug/l  |
| 2-Butanone (MEK)               |       | ND   | 10.00 | ug/l  |
| Dichlorodifluoromethane        |       | ND   | 1.00  | ug/l  |
| Chloromethane                  |       | ND   | 1.00  | ug/l  |
| Vinyl chloride                 |       | ND   | 1.00  | ug/l  |
| Bromomethane                   |       | ND   | 1.00  | ug/l  |
| Chloroethane                   |       | ND   | 1.00  | ug/l  |
| Trichlorofluoromethane         |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethene             |       | ND   | 1.00  | ug/l  |
| Methylene chloride             |       | ND   | 1.00  | ug/l  |
| trans-1,2-Dichloroethene       |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| cis-1,2-Dichloroethene         |       | ND   | 1.00  | ug/l  |
| Tetrahydrofuran                |       | ND   | 10.00 | ug/l  |
| Chloroform                     |       | ND   | 1.00  | ug/l  |
| Bromochloromethane             |       | ND   | 1.00  | ug/l  |
| 1,1,1-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| 4-Methyl-2-pentanone (MIBK)    |       | ND   | 10.00 | ug/l  |
| 2-Hexanone                     |       | ND   | 10.00 | ug/l  |
| Carbon tetrachloride           |       | ND   | 1.00  | ug/l  |
| Benzene                        |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| Trichloroethene                |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloropropane            |       | ND   | 1.00  | ug/l  |
| Bromodichloromethane           |       | ND   | 1.00  | ug/l  |
| Dibromomethane                 |       | ND   | 1.00  | ug/l  |
| cis-1,3-Dichloropropene        |       | ND   | 1.00  | ug/l  |
| Toluene                        |       | ND   | 1.00  | ug/l  |
| trans-1,3-Dichloropropene      |       | ND   | 1.00  | ug/l  |
| 1,1,2-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| Tetrachloroethene              |       | ND   | 1.00  | ug/l  |
| trans-1,4-Dichloro-2-butene    |       | ND   | 1.00  | ug/l  |
| Dibromochloromethane           |       | ND   | 1.00  | ug/l  |
| 1,2-Dibromoethane              |       | ND   | 1.00  | ug/l  |
| Chlorobenzene                  |       | ND   | 1.00  | ug/l  |
| 1,1,1,2-Tetrachloroethane      |       | ND   | 1.00  | ug/l  |
| Ethylbenzene                   |       | ND   | 1.00  | ug/l  |
| p,m-Xylene                     |       | ND   | 2.00  | ug/l  |
| o-Xylene                       |       | ND   | 1.00  | ug/l  |
| Styrene                        |       | ND   | 1.00  | ug/l  |
| Isopropylbenzene               |       | ND   | 1.00  | ug/l  |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250605W4 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK) (continued)**

Lab Sample ID: 250605B11.BLKW05B

Run in Batch: 250605B11, Run Date: 06/06/2025 00:38, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | Conc | RDL  | Units |
|-----------------------------|-------|------|------|-------|
| Bromoform                   |       | ND   | 1.00 | ug/l  |
| 1,1,2,2-Tetrachloroethane   |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichloropropane      |       | ND   | 1.00 | ug/l  |
| n-Propylbenzene             |       | ND   | 1.00 | ug/l  |
| Bromobenzene                |       | ND   | 1.00 | ug/l  |
| 1,3,5-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| tert-Butylbenzene           |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| sec-Butylbenzene            |       | ND   | 1.00 | ug/l  |
| p-Isopropyltoluene          |       | ND   | 1.00 | ug/l  |
| 1,3-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,4-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| n-Butylbenzene              |       | ND   | 1.00 | ug/l  |
| Hexachloroethane            |       | ND   | 1.00 | ug/l  |
| 1,2-Dibromo-3-chloropropane |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| Naphthalene                 |       | ND   | 1.00 | ug/l  |
| 2-Methylnaphthalene         |       | ND   | 1.00 | ug/l  |

**Laboratory Control Sample (LCS)**

Lab Sample ID: 250605B11.LCSW05B

Run in Batch: 250605B11, Run Date: 06/05/2025 23:03, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   |
|--------------------------------|-------|-------|------|-------|
| Diethyl ether                  |       | 113.3 | 67.4 | 121.2 |
| Acetone                        |       | 107.4 | 29.9 | 161.5 |
| Methyl iodide                  |       | 107.8 | 68.8 | 116.4 |
| Carbon disulfide               |       | 106.2 | 63.8 | 137.4 |
| tert-Methyl butyl ether (MTBE) |       | 113.6 | 73.2 | 122.4 |
| Acrylonitrile                  |       | 113.2 | 69.9 | 128.9 |
| 2-Butanone (MEK)               |       | 113.2 | 44.0 | 134.4 |
| Dichlorodifluoromethane        |       | 103.2 | 10.0 | 222.8 |
| Chloromethane                  |       | 115.6 | 23.8 | 166.5 |
| Vinyl chloride                 |       | 98.0  | 43.5 | 149.1 |
| Bromomethane                   |       | 79.7  | 56.8 | 151.3 |
| Chloroethane                   |       | 70.2  | 53.4 | 149.4 |
| Trichlorofluoromethane         |       | 91.0  | 59.7 | 151.8 |
| 1,1-Dichloroethene             |       | 101.8 | 69.6 | 139.4 |
| Methylene chloride             |       | 109.9 | 73.3 | 121.1 |
| trans-1,2-Dichloroethene       |       | 106.6 | 73.6 | 129.3 |
| 1,1-Dichloroethane             |       | 110.0 | 71.5 | 126.2 |
| cis-1,2-Dichloroethene         |       | 111.3 | 76.6 | 122.1 |
| Tetrahydrofuran                |       | 111.4 | 59.0 | 117.9 |
| Chloroform                     |       | 109.6 | 78.4 | 124.0 |

## QC Report - Batch QC Results

### Organics - Volatiles, Prep Batch ID: VF250605W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

### Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250605B11.LCSW05B

Run in Batch: 250605B11, Run Date: 06/05/2025 23:03, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   |
|-----------------------------|-------|-------|------|-------|
| Bromochloromethane          |       | 110.6 | 78.2 | 120.8 |
| 1,1,1-Trichloroethane       |       | 103.1 | 79.4 | 130.9 |
| 4-Methyl-2-pentanone (MIBK) |       | 108.2 | 71.6 | 125.2 |
| 2-Hexanone                  |       | 110.3 | 55.4 | 136.9 |
| Carbon tetrachloride        |       | 97.3  | 72.6 | 133.0 |
| Benzene                     |       | 109.4 | 79.9 | 124.9 |
| 1,2-Dichloroethane          |       | 102.7 | 76.0 | 126.3 |
| Trichloroethene             |       | 106.1 | 79.7 | 124.2 |
| 1,2-Dichloropropane         |       | 109.4 | 78.6 | 126.4 |
| Bromodichloromethane        |       | 105.9 | 80.4 | 128.2 |
| Dibromomethane              |       | 104.7 | 76.9 | 122.1 |
| cis-1,3-Dichloropropene     |       | 107.3 | 79.8 | 129.9 |
| Toluene                     |       | 107.8 | 79.8 | 124.5 |
| trans-1,3-Dichloropropene   |       | 104.4 | 74.0 | 131.3 |
| 1,1,2-Trichloroethane       |       | 107.3 | 78.7 | 123.1 |
| Tetrachloroethene           |       | 100.4 | 74.5 | 124.5 |
| trans-1,4-Dichloro-2-butene |       | 97.2  | 68.6 | 135.4 |
| Dibromochloromethane        |       | 104.9 | 74.6 | 127.2 |
| 1,2-Dibromoethane           |       | 106.8 | 70.3 | 133.7 |
| Chlorobenzene               |       | 106.3 | 79.2 | 122.7 |
| 1,1,1,2-Tetrachloroethane   |       | 107.0 | 80.3 | 128.2 |
| Ethylbenzene                |       | 106.8 | 79.5 | 129.1 |
| p,m-Xylene                  |       | 107.6 | 79.4 | 132.2 |
| o-Xylene                    |       | 108.3 | 80.2 | 131.0 |
| Styrene                     |       | 110.6 | 69.5 | 126.7 |
| Isopropylbenzene            |       | 105.8 | 74.4 | 121.5 |
| Bromoform                   |       | 102.0 | 69.4 | 128.0 |
| 1,1,2,2-Tetrachloroethane   |       | 108.2 | 79.8 | 126.3 |
| 1,2,3-Trichloropropane      |       | 107.5 | 78.3 | 138.8 |
| n-Propylbenzene             |       | 99.8  | 82.0 | 130.7 |
| Bromobenzene                |       | 106.5 | 78.7 | 124.6 |
| 1,3,5-Trimethylbenzene      |       | 108.4 | 81.3 | 128.9 |
| tert-Butylbenzene           |       | 107.3 | 80.7 | 128.9 |
| 1,2,4-Trimethylbenzene      |       | 112.0 | 81.4 | 130.8 |
| sec-Butylbenzene            |       | 105.6 | 77.4 | 129.8 |
| p-Isopropyltoluene          |       | 108.5 | 79.8 | 137.5 |
| 1,3-Dichlorobenzene         |       | 106.8 | 77.0 | 131.3 |
| 1,4-Dichlorobenzene         |       | 107.3 | 20.7 | 137.7 |
| 1,2-Dichlorobenzene         |       | 107.5 | 10.0 | 166.2 |
| 1,2,3-Trimethylbenzene      |       | 112.5 | 76.3 | 124.2 |
| n-Butylbenzene              |       | 102.9 | 80.0 | 133.3 |
| Hexachloroethane            |       | 108.4 | 23.8 | 138.1 |
| 1,2-Dibromo-3-chloropropane |       | 107.3 | 21.2 | 189.4 |
| 1,2,4-Trichlorobenzene      |       | 106.0 | 27.4 | 143.4 |
| 1,2,3-Trichlorobenzene      |       | 106.1 | 75.4 | 131.4 |
| Naphthalene                 |       | 106.2 | 32.9 | 135.8 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250605W4 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250605B11.LCSW05B

Run in Batch: 250605B11, Run Date: 06/05/2025 23:03, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte             | Flags | % Rec | LCL  | UCL   |
|---------------------|-------|-------|------|-------|
| 2-Methylnaphthalene |       | 111.4 | 25.5 | 165.5 |

**Laboratory Control Sample Duplicate (LCSD)**

Lab Sample ID: 250605B11.LCSDW05B, Parent Sample ID: 250605B11.LCSW05B

Run in Batch: 250605B11, Run Date: 06/05/2025 23:27, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|--------------------------------|-------|-------|------|-------|------|--------|
| Diethyl ether                  |       | 113.1 | 67.4 | 121.2 | 0.1  | 30.0   |
| Acetone                        |       | 105.7 | 29.9 | 161.5 | 1.7  | 30.0   |
| Methyl iodide                  |       | 104.6 | 68.8 | 116.4 | 3.0  | 30.0   |
| Carbon disulfide               |       | 103.7 | 63.8 | 137.4 | 2.4  | 30.0   |
| tert-Methyl butyl ether (MTBE) |       | 112.1 | 73.2 | 122.4 | 1.4  | 30.0   |
| Acrylonitrile                  |       | 109.5 | 69.9 | 128.9 | 3.2  | 30.0   |
| 2-Butanone (MEK)               |       | 107.8 | 44.0 | 134.4 | 4.8  | 30.0   |
| Dichlorodifluoromethane        |       | 99.9  | 10.0 | 222.8 | 3.3  | 30.0   |
| Chloromethane                  |       | 113.6 | 23.8 | 166.5 | 1.7  | 30.0   |
| Vinyl chloride                 |       | 98.1  | 43.5 | 149.1 | 0.1  | 30.0   |
| Bromomethane                   |       | 84.4  | 56.8 | 151.3 | 5.6  | 30.0   |
| Chloroethane                   |       | 58.9  | 53.4 | 149.4 | 17.6 | 30.0   |
| Trichlorofluoromethane         |       | 88.5  | 59.7 | 151.8 | 2.7  | 30.0   |
| 1,1-Dichloroethene             |       | 99.9  | 69.6 | 139.4 | 1.9  | 30.0   |
| Methylene chloride             |       | 109.4 | 73.3 | 121.1 | 0.5  | 30.0   |
| trans-1,2-Dichloroethene       |       | 104.1 | 73.6 | 129.3 | 2.4  | 30.0   |
| 1,1-Dichloroethane             |       | 107.7 | 71.5 | 126.2 | 2.1  | 30.0   |
| cis-1,2-Dichloroethene         |       | 109.9 | 76.6 | 122.1 | 1.3  | 30.0   |
| Tetrahydrofuran                |       | 110.6 | 59.0 | 117.9 | 0.7  | 30.0   |
| Chloroform                     |       | 107.5 | 78.4 | 124.0 | 2.0  | 30.0   |
| Bromochloromethane             |       | 108.4 | 78.2 | 120.8 | 2.0  | 30.0   |
| 1,1,1-Trichloroethane          |       | 100.6 | 79.4 | 130.9 | 2.5  | 30.0   |
| 4-Methyl-2-pentanone (MIBK)    |       | 103.2 | 71.6 | 125.2 | 4.7  | 30.0   |
| 2-Hexanone                     |       | 106.7 | 55.4 | 136.9 | 3.4  | 30.0   |
| Carbon tetrachloride           |       | 94.2  | 72.6 | 133.0 | 3.2  | 30.0   |
| Benzene                        |       | 105.1 | 79.9 | 124.9 | 4.0  | 30.0   |
| 1,2-Dichloroethane             |       | 100.1 | 76.0 | 126.3 | 2.5  | 30.0   |
| Trichloroethene                |       | 101.7 | 79.7 | 124.2 | 4.2  | 30.0   |
| 1,2-Dichloropropane            |       | 105.5 | 78.6 | 126.4 | 3.7  | 30.0   |
| Bromodichloromethane           |       | 103.5 | 80.4 | 128.2 | 2.3  | 30.0   |
| Dibromomethane                 |       | 102.4 | 76.9 | 122.1 | 2.2  | 30.0   |
| cis-1,3-Dichloropropene        |       | 103.4 | 79.8 | 129.9 | 3.7  | 30.0   |
| Toluene                        |       | 103.9 | 79.8 | 124.5 | 3.7  | 30.0   |
| trans-1,3-Dichloropropene      |       | 102.5 | 74.0 | 131.3 | 1.8  | 30.0   |
| 1,1,2-Trichloroethane          |       | 103.0 | 78.7 | 123.1 | 4.1  | 30.0   |
| Tetrachloroethene              |       | 97.0  | 74.5 | 124.5 | 3.5  | 30.0   |
| trans-1,4-Dichloro-2-butene    |       | 94.6  | 68.6 | 135.4 | 2.7  | 30.0   |
| Dibromochloromethane           |       | 104.1 | 74.6 | 127.2 | 0.8  | 30.0   |
| 1,2-Dibromoethane              |       | 105.1 | 70.3 | 133.7 | 1.6  | 30.0   |
| Chlorobenzene                  |       | 104.5 | 79.2 | 122.7 | 1.7  | 30.0   |

## QC Report - Batch QC Results

### Organics - Volatiles, Prep Batch ID: VF250605W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

### Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250605B11.LCSDW05B, Parent Sample ID: 250605B11.LCSW05B

Run in Batch: 250605B11, Run Date: 06/05/2025 23:27, Prep Date: 06/05/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   | RPD | RPD CL |
|-----------------------------|-------|-------|------|-------|-----|--------|
| 1,1,1,2-Tetrachloroethane   |       | 104.5 | 80.3 | 128.2 | 2.3 | 30.0   |
| Ethylbenzene                |       | 104.1 | 79.5 | 129.1 | 2.6 | 30.0   |
| p,m-Xylene                  |       | 105.4 | 79.4 | 132.2 | 2.0 | 30.0   |
| o-Xylene                    |       | 105.9 | 80.2 | 131.0 | 2.3 | 30.0   |
| Styrene                     |       | 108.1 | 69.5 | 126.7 | 2.3 | 30.0   |
| Isopropylbenzene            |       | 103.3 | 74.4 | 121.5 | 2.4 | 30.0   |
| Bromoform                   |       | 98.8  | 69.4 | 128.0 | 3.2 | 30.0   |
| 1,1,2,2-Tetrachloroethane   |       | 104.8 | 79.8 | 126.3 | 3.1 | 30.0   |
| 1,2,3-Trichloropropane      |       | 104.5 | 78.3 | 138.8 | 2.8 | 30.0   |
| n-Propylbenzene             |       | 103.0 | 82.0 | 130.7 | 3.2 | 30.0   |
| Bromobenzene                |       | 104.3 | 78.7 | 124.6 | 2.1 | 30.0   |
| 1,3,5-Trimethylbenzene      |       | 105.9 | 81.3 | 128.9 | 2.3 | 30.0   |
| tert-Butylbenzene           |       | 104.0 | 80.7 | 128.9 | 3.1 | 30.0   |
| 1,2,4-Trimethylbenzene      |       | 108.5 | 81.4 | 130.8 | 3.1 | 30.0   |
| sec-Butylbenzene            |       | 103.0 | 77.4 | 129.8 | 2.4 | 30.0   |
| p-Isopropyltoluene          |       | 104.9 | 79.8 | 137.5 | 3.4 | 30.0   |
| 1,3-Dichlorobenzene         |       | 105.0 | 77.0 | 131.3 | 1.7 | 30.0   |
| 1,4-Dichlorobenzene         |       | 103.1 | 20.7 | 137.7 | 4.0 | 30.0   |
| 1,2-Dichlorobenzene         |       | 105.5 | 10.0 | 166.2 | 1.8 | 30.0   |
| 1,2,3-Trimethylbenzene      |       | 108.9 | 76.3 | 124.2 | 3.2 | 30.0   |
| n-Butylbenzene              |       | 99.9  | 80.0 | 133.3 | 3.0 | 30.0   |
| Hexachloroethane            |       | 106.7 | 23.8 | 138.1 | 1.6 | 30.0   |
| 1,2-Dibromo-3-chloropropane |       | 104.1 | 21.2 | 189.4 | 3.1 | 30.0   |
| 1,2,4-Trichlorobenzene      |       | 103.7 | 27.4 | 143.4 | 2.2 | 30.0   |
| 1,2,3-Trichlorobenzene      |       | 103.7 | 75.4 | 131.4 | 2.3 | 30.0   |
| Naphthalene                 |       | 103.2 | 32.9 | 135.8 | 2.9 | 30.0   |
| 2-Methylnaphthalene         |       | 112.3 | 25.5 | 165.5 | 0.8 | 30.0   |





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C.O.C. PAGE # 1 OF 1

**REPORT TO** **CHAIN OF CUSTODY RECORD** **INVOICE TO**

CONTACT NAME **Project Management Team**  
 COMPANY **Merit Laboratories**  
 ADDRESS **2680 East Lansing Drive**  
 CITY **East Lansing** STATE **MI** ZIP CODE **48823**  
 PHONE NO. **517-332-0167** FAX NO. P.O. NO.  
 E-MAIL ADDRESS **results@meritlabs.com** QUOTE NO.

CONTACT NAME **Julie Teague**  SAME  
 COMPANY **Merit Laboratories**  
 ADDRESS **2680 East Lansing Drive**  
 CITY **East Lansing** STATE **MI** ZIP CODE **48823**  
 PHONE NO. **517-332-0167** E-MAIL ADDRESS **juliet@meritlabs.com**

**ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)**

PROJECT NO./NAME **S75293** SAMPLER(S) - PLEASE PRINT/SIGN NAME  
 TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER  
 DELIVERABLES REQUIRED  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

| MERIT LAB NO.<br><small>FOR LAB USE ONLY</small> | YEAR   |      | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX | # OF BOTTLES | # Containers & Preservatives |     |                  |                                |      |      |       | TOX |
|--|--------|------|---------------------------------------|--------|--------------|------------------------------|-----|------------------|--------------------------------|------|------|-------|-----|
|  | DATE   | TIME |                                       |        |              | NONE                         | HCl | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH | MeOH | OTHER |     |
|  | 6/3/25 | 1555 | S75293.01                             | GW     | 1            |                              |     |                  |                                |      |      |       | ✓   |
|  | 6/4/25 | 1130 | S75293.03                             | GW     | 1            |                              |     |                  |                                |      |      |       | ✓   |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |
|  |        |      |                                       |        |              |                              |     |                  |                                |      |      |       |     |

Certifications  
 OHIO VAP  Drinking Water  
 DoD  NPDES  
 Project Locations  
 Detroit  New York  
 Other  
 Special Instructions

(On Ice)  
 \*\* Subcontracted to  
 GEL  
 2040 Savage Road  
 Charleston, SC 29407

RELINQUISHED BY: *[Signature]*  Sampler DATE **6/9/25** TIME **1700**  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: *[Signature]* DATE **6/15/25** TIME **1700**  
 SIGNATURE/ORGANIZATION

RELINQUISHED BY: DATE TIME  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: DATE TIME  
 SIGNATURE/ORGANIZATION

SEAL NO. SEAL INTACT YES  NO  INITIALS  
 SEAL NO. SEAL INTACT YES  NO  INITIALS

NOTES: TEMP. ON ARRIVAL



# Analytical Laboratory Report

Report ID: S75412.01(01)  
Generated on 06/26/2025

Report to

Attention: Clifford Yantz  
Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:  
Email: Clifford.Yantz@ramboll.com

Additional Contacts: Kevin Schneider, Nicole Pitkorchemny

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Contacts for report questions:  
John Lavery (johnlavery@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S75412.01-S75412.14  
Project: RACER Coldwater Road  
Collected Date(s): 06/04/2025 - 06/06/2025  
Submitted Date/Time: 06/06/2025 15:20  
Sampled by: Savannah Thielbar  
P.O. #: 1940011180 TASK1

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Maya Murshak  
Technical Director



# Analytical Laboratory Report

## General Report Notes

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Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (\*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the

FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

## Report Narrative

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There is no additional narrative for this analytical report



# Analytical Laboratory Report

## Laboratory Accreditations (For Reference Only)

| Authority                     | Accreditation ID    |
|-------------------------------|---------------------|
| Michigan DEQ                  | #9956               |
| DOD ELAP & ISO/IEC 17025:2017 | #69699 PJLA Testing |
| WBENC                         | #2005110032         |
| Ohio VAP                      | #CL0002             |
| Indiana DOH                   | #C-MI-07            |
| New York NELAC                | #11814              |
| North Carolina DENR           | #680                |
| North Carolina DOH            | #26702              |
| Pennsylvania DEP              | #68-05884           |
| Wisconsin DNR                 | FID# 399147320      |

## Qualifier Descriptions

| Qualifier | Description   |
|-----------|---|
| !         | Result is outside of stated limit criteria                            |
| B         | Compound also found in associated method blank                        |
| E         | Concentration exceeds calibration range                               |
| F         | Analysis run outside of holding time                                  |
| G         | Estimated result due to extraction run outside of holding time        |
| H         | Sample submitted and run outside of holding time                      |
| I         | Matrix interference with internal standard                            |
| J         | Estimated value less than reporting limit, but greater than MDL       |
| L         | Elevated reporting limit due to low sample amount                     |
| M         | Result reported to MDL not RDL  |
| O         | Analysis performed by outside laboratory. See attached report.        |
| R         | Preliminary result  |
| S         | Surrogate recovery outside of control limits                          |
| T         | No correction for total solids  |
| X         | Elevated reporting limit due to matrix interference                   |
| Y         | Elevated reporting limit due to high target concentration             |
| b         | Value detected less than reporting limit, but greater than MDL        |
| e         | Reported value estimated due to interference                          |
| j         | Analyte also found in associated method blank                         |
| o         | Associated EIS outside of control limits                              |
| p         | Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak. |
| q         | Qualifier ion ratio outside of control limits                         |
| x         | Preserved from bulk sample  |

## Glossary of Abbreviations

| Abbreviation | Description                              |
|--------------|--|
| RL/RDL       | Reporting Limit                          |
| MDL          | Method Detection Limit                   |
| MS           | Matrix Spike                             |
| MSD          | Matrix Spike Duplicate                   |
| SW           | EPA SW 846 (Soil and Wastewater) Methods |
| E            | EPA Methods                              |
| SM           | Standard Methods                         |
| LN           | Linear                                   |
| BR           | Branched                                 |



# Analytical Laboratory Report

## Method Summary

| Method           | Version  |
|------------------|--|
| E120.1           | EPA Method 120.1 Revision 1982   |
| E200.8           | EPA Method 200.8 Revision 5.4  |
| E300.0           | EPA Method 300.0 Revision 2.1 (1993)                                   |
| E335.4/SM4500-CN | EPA Method 335.4 Revision 1.0 / Standard Method 4500-CN E 2021         |
| E420.1           | EPA Method 420.1 Editorial Revision 1978                               |
| N/A              | Not Applicable   |
| SM5310C          | Standard Method 5310C 2014   |
| SW3015A          | SW 846 Method 3015A Revision 1 February 2007                           |
| SW5030C/8260C    | SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003 |
| SW9020B          | SW 846 Method 9020B Revision 2 September 1994                          |



# Analytical Laboratory Report

## Sample Summary (14 samples)

| Sample ID | Sample Tag            | Matrix      | Collected Date/Time |
|-----------|-----------------------|-------------|---------------------|
| S75412.01 | B-27D-20250604        | Groundwater | 06/04/25 15:12      |
| S75412.02 | B-22D-20250605        | Groundwater | 06/05/25 10:35      |
| S75412.03 | B-24R-20250605        | Groundwater | 06/05/25 11:06      |
| S75412.04 | B-21D-20250605        | Groundwater | 06/05/25 12:25      |
| S75412.05 | B-20D-20250605        | Groundwater | 06/05/25 14:15      |
| S75412.06 | OBG-MW-16D-20250605   | Groundwater | 06/05/25 16:15      |
| S75412.07 | B-19AR-20250605       | Groundwater | 06/05/25 14:41      |
| S75412.08 | B-18A-20250606        | Groundwater | 06/06/25 09:05      |
| S75412.09 | MW-DUP-1-20250606     | Groundwater | 06/06/25 00:01      |
| S75412.10 | B-7-20250606          | Groundwater | 06/06/25 11:00      |
| S75412.11 | B-9-20250606          | Groundwater | 06/06/25 12:16      |
| S75412.12 | Trip Blank-20250606-2 | Water       | 06/06/25 00:01      |
| S75412.13 | Trip Blank-20250606   | Water       | 06/06/25 00:01      |
| S75412.14 | Trip Blank-20250606-3 | Water       | 06/06/25 00:01      |



# Analytical Laboratory Report

Lab Sample ID: S75412.01

Sample Tag: B-27D-20250604

Collected Date/Time: 06/04/2025 15:12

Matrix: Groundwater

COC Reference: 57044

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:24, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 650    | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 11:33, Analyst: SRH**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------------|------|-----|-------|----------|------------|-------|
| Chloride  | Not detected | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 15.6         | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/13/25 16:54, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:08, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 13:58, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.1    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:46, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 33.0   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 11:49, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 1.08         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.01 (continued)

Sample Tag: B-27D-20250604

Method: E200.8, Run Date: 06/13/25 11:49, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.020        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | 0.024        | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 04:10, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.01 (continued)

Sample Tag: B-27D-20250604

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 04:10, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 05:06, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Lab Sample ID: S75412.02

Sample Tag: B-22D-20250605

Collected Date/Time: 06/05/2025 10:35

Matrix: Groundwater

COC Reference: 57044

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:26, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 721    | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 11:43, Analyst: SRH**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------------|------|-----|-------|----------|------------|-------|
| Chloride  | Not detected | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 57.6         | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:14, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:12, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 14:45, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.2    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:48, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 25.9   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 11:54, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 1.47         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.02 (continued)

Sample Tag: B-22D-20250605

Method: E200.8, Run Date: 06/13/25 11:54, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.027        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 04:34, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.02 (continued)

Sample Tag: B-22D-20250605

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 04:34, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 05:50, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

**Lab Sample ID: S75412.03**

Sample Tag: B-24R-20250605

Collected Date/Time: 06/05/2025 11:06

Matrix: Groundwater

COC Reference: 57044

**Sample Containers**

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:28, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,367  | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 11:53, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 48.8   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |

**Method: E300.0, Run Date: 06/10/25 12:03, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Sulfate   | 289    | 25.0 |     | mg/L  | 25       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:15, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:16, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 15:56, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 2.5    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:49, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 62.9   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.03 (continued)

Sample Tag: B-24R-20250605

Method: E200.8, Run Date: 06/13/25 11:55, Analyst: CCM

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved  | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved      | 0.04         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |
| Manganese, Dissolved | 0.069        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | 0.010        | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 04:57, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.03 (continued)

Sample Tag: B-24R-20250605

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 04:57, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 1,1,1,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 630-20-6 |       |
| Ethylbenzene                | Not detected | 1  |     | ug/L  | 1        | 100-41-4 |       |
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 07:07, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Lab Sample ID: S75412.04

Sample Tag: B-21D-20250605

Collected Date/Time: 06/05/2025 12:25

Matrix: Groundwater

COC Reference: 57044

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:30, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 794    | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 12:13, Analyst: SRH**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------------|------|-----|-------|----------|------------|-------|
| Chloride  | Not detected | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 92.3         | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:16, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:18, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 16:19, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.1    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:51, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 23.2   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 11:56, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 1.70         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.04 (continued)

Sample Tag: B-21D-20250605

Method: E200.8, Run Date: 06/13/25 11:56, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.032        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 05:21, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.04 (continued)

Sample Tag: B-21D-20250605

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 05:21, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 07:51, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

**Lab Sample ID: S75412.05**

Sample Tag: B-20D-20250605

Collected Date/Time: 06/05/2025 14:15

Matrix: Groundwater

COC Reference: 57044

**Sample Containers**

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:34, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 814    | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 12:23, Analyst: SRH**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------------|------|-----|-------|----------|------------|-------|
| Chloride  | Not detected | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 101          | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:41, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:20, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 16:43, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.2    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:53, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 16.7   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 11:58, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 1.97         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.05 (continued)

Sample Tag: B-20D-20250605

Method: E200.8, Run Date: 06/13/25 11:58, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.044        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/13/25 01:07, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.05 (continued)

Sample Tag: B-20D-20250605

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/13/25 01:07, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 09:03, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

**Lab Sample ID: S75412.06**

Sample Tag: OBG-MW-16D-20250605

Collected Date/Time: 06/05/2025 16:15

Matrix: Groundwater

COC Reference: 57044

**Sample Containers**

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:36, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 654    | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 12:33, Analyst: SRH**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------------|------|-----|-------|----------|------------|-------|
| Chloride  | Not detected | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 30.1         | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:43, Analyst: MDG**

| Parameter      | Result | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | 0.004  | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:22, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 17:07, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.6    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:55, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 12.7   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 11:59, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 2.16         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.06 (continued)

Sample Tag: OBG-MW-16D-20250605

Method: E200.8, Run Date: 06/13/25 11:59, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.064        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 06:08, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.06 (continued)

Sample Tag: OBG-MW-16D-20250605

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 06:08, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/17/25 23:36, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Lab Sample ID: S75412.07

Sample Tag: B-19AR-20250605

Collected Date/Time: 06/05/2025 14:41

Matrix: Groundwater

COC Reference: 57044

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:38, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,186  | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 12:43, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 96.0   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 144    | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:43, Analyst: MDG**

| Parameter      | Result | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | 0.004  | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:24, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 17:30, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.3    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:57, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 22.0   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 12:01, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 0.04         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.07 (continued)

Sample Tag: B-19AR-20250605

Method: E200.8, Run Date: 06/13/25 12:01, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 06:32, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.07 (continued)

Sample Tag: B-19AR-20250605

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 06:32, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/18/25 01:49, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

**Lab Sample ID: S75412.08**

Sample Tag: B-18A-20250606

Collected Date/Time: 06/06/2025 09:05

Matrix: Groundwater

COC Reference: 57044

**Sample Containers**

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:40, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,045  | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 12:53, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 29.3   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 97.2   | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:50, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:26, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 17:54, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.2    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 14:58, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 27.6   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 12:02, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 0.03         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.08 (continued)

Sample Tag: B-18A-20250606

Method: E200.8, Run Date: 06/13/25 12:02, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.054        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | 0.009        | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 06:56, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.08 (continued)

Sample Tag: B-18A-20250606

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 06:56, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/25/25 21:59, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

**Lab Sample ID: S75412.09**

Sample Tag: MW-DUP-1-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Groundwater

COC Reference: 57044

**Sample Containers**

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:42, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,045  | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 13:03, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 29.0   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 96.6   | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:51, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:28, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 18:17, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.2    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 15:05, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 27.6   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 12:03, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | 0.07         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.09 (continued)

Sample Tag: MW-DUP-1-20250606

Method: E200.8, Run Date: 06/13/25 12:03, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | 0.055        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | 0.009        | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 07:19, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.09 (continued)

Sample Tag: MW-DUP-1-20250606

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 07:19, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/26/25 00:03, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Lab Sample ID: S75412.10

Sample Tag: B-7-20250606

Collected Date/Time: 06/06/2025 11:00

Matrix: Groundwater

COC Reference: 57044

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:44, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,104  | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 13:13, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 35.0   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | 171    | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:52, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:30, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 18:41, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 4.2    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 15:07, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 52.9   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |

**Method: E200.8, Run Date: 06/13/25 12:13, Analyst: CCM**

| Parameter           | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved   | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved     | Not detected | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.10 (continued)

Sample Tag: B-7-20250606

Method: E200.8, Run Date: 06/13/25 12:13, Analyst: CCM (continued)

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Manganese, Dissolved | Not detected | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | 0.006        | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 07:43, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.10 (continued)

Sample Tag: B-7-20250606

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 07:43, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/26/25 00:50, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Lab Sample ID: S75412.11

Sample Tag: B-9-20250606

Collected Date/Time: 06/06/2025 12:16

Matrix: Groundwater

COC Reference: 57044

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 3.1               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 3.1               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 3.1               | IR            |
| 2 | 125mL Plastic | HNO3            | Yes           | 3.1               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 3.1               | IR            |

**Extraction / Prep.**

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/11/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 13:30 | CCM     |       |

**Inorganics**

**Method: E120.1, Run Date: 06/12/25 13:46, Analyst: JKB**

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,935  | 1  |     | umhos/cm | 1        |      |       |

**Method: E300.0, Run Date: 06/10/25 14:14, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Chloride  | 47.1   | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |

**Method: E300.0, Run Date: 06/10/25 14:24, Analyst: SRH**

| Parameter | Result | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------|------|-----|-------|----------|------------|-------|
| Sulfate   | 632    | 50.0 |     | mg/L  | 50       | 14808-79-8 |       |

**Method: E335.4/SM4500-CN, Run Date: 06/17/25 19:53, Analyst: MDG**

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

**Method: E420.1, Run Date: 06/12/25 16:32, Analyst: JKB**

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

**Method: SM5310C, Run Date: 06/11/25 19:31, Analyst: JKB**

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC       | 1.4    | 1  |     | mg/L  | 1        |      |       |

**Metals**

**Method: E200.8, Run Date: 06/13/25 15:08, Analyst: CCM**

| Parameter | Result | RL  | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------|-----|-----|-------|----------|-----------|-------|
| Sodium    | 47.5   | 2.5 |     | mg/L  | 50       | 7440-23-5 |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.11 (continued)

Sample Tag: B-9-20250606

Method: E200.8, Run Date: 06/13/25 12:15, Analyst: CCM

| Parameter            | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|----------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved  | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron, Dissolved      | 0.02         | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |
| Manganese, Dissolved | 0.165        | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |
| Nickel, Dissolved    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc, Dissolved      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 08:06, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.11 (continued)

Sample Tag: B-9-20250606

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 08:06, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 1,1,1,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 630-20-6 |       |
| Ethylbenzene                | Not detected | 1  |     | ug/L  | 1        | 100-41-4 |       |
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/26/25 02:04, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Lab Sample ID: S75412.12

Sample Tag: Trip Blank-20250606-2

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57044

Sample Containers

| # | Type       | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40mL Glass | HCL             | Yes           | 3.1               | IR            |

Extraction / Prep.

| Parameter          | Result | Method | Run Date       | Analyst | Flags |
|--------------------|--------|--------|----------------|---------|-------|
| pH check for VOCs* | <2     | N/A    | 06/11/25 11:15 | NDK     |       |

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 01:31, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.12 (continued)

Sample Tag: Trip Blank-20250606-2

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 01:31, Analyst: ACK (continued)

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| Dibromochloromethane        | Not detected | 5  |     | ug/L  | 1        | 124-48-1 |       |
| 1,2-Dibromoethane           | Not detected | 1  |     | ug/L  | 1        | 106-93-4 |       |
| Chlorobenzene               | Not detected | 1  |     | ug/L  | 1        | 108-90-7 |       |
| 1,1,1,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 630-20-6 |       |
| Ethylbenzene                | Not detected | 1  |     | ug/L  | 1        | 100-41-4 |       |
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.13

Sample Tag: Trip Blank-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57838

Sample Containers

| # | Type       | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40mL Glass | HCL             | Yes           | 3.1               | IR            |

Extraction / Prep.

| Parameter          | Result | Method | Run Date       | Analyst | Flags |
|--------------------|--------|--------|----------------|---------|-------|
| pH check for VOCs* | <2     | N/A    | 06/11/25 11:15 | NDK     |       |

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 01:54, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.13 (continued)

Sample Tag: Trip Blank-20250606

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 01:54, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| Dibromochloromethane        | Not detected | 5  |     | ug/L  | 1        | 124-48-1 |       |
| 1,2-Dibromoethane           | Not detected | 1  |     | ug/L  | 1        | 106-93-4 |       |
| Chlorobenzene               | Not detected | 1  |     | ug/L  | 1        | 108-90-7 |       |
| 1,1,1,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 630-20-6 |       |
| Ethylbenzene                | Not detected | 1  |     | ug/L  | 1        | 100-41-4 |       |
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.14

Sample Tag: Trip Blank-20250606-3

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57838

Sample Containers

| # | Type       | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40mL Glass | HCL             | Yes           | 3.1               | IR            |

Extraction / Prep.

| Parameter          | Result | Method | Run Date       | Analyst | Flags |
|--------------------|--------|--------|----------------|---------|-------|
| pH check for VOCs* | <2     | N/A    | 06/11/25 11:15 | NDK     |       |

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 02:18, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |



# Analytical Laboratory Report

Lab Sample ID: S75412.14 (continued)

Sample Tag: Trip Blank-20250606-3

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/11/25 02:18, Analyst: ACK (continued)

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| Dibromochloromethane        | Not detected | 5  |     | ug/L  | 1        | 124-48-1 |       |
| 1,2-Dibromoethane           | Not detected | 1  |     | ug/L  | 1        | 106-93-4 |       |
| Chlorobenzene               | Not detected | 1  |     | ug/L  | 1        | 108-90-7 |       |
| 1,1,1,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 630-20-6 |       |
| Ethylbenzene                | Not detected | 1  |     | ug/L  | 1        | 100-41-4 |       |
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

# Merit Laboratories Login Checklist

Lab Set ID:S75412

Client:RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Submitted:06/06/2025 15:20 Login User: PFD

Attention: Clifford Yantz

Address: Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:  
Email: Clifford.Yantz@ramboll.com

| Selection | Description | Note |
|-----------|-------------|------|
|-----------|-------------|------|

## Sample Receiving

- |     |  |  |
|-----|--|--|
| 01. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples are received at 4C +/- 2C Thermometer # IR: 3.1C |
| 02. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Received on ice/ cooling process begun                   |
| 03. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples shipped  |
| 04. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples left in 24 hr. drop box                          |
| 05. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Are there custody seals/tape or is the drop box locked   |

## Chain of Custody

- |     |  |  |
|-----|--|--|
| 06. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC adequately filled out                |
| 07. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC signed and relinquished to the lab   |
| 08. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sample tag on bottles match COC          |
| 09. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Subcontracting needed? Subcontracted to: |

## Preservation

- |     |  |   |
|-----|--|---|
| 10. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Do sample have correct chemical preservation        |
| 11. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Completed pH checks on preserved samples? (no VOAs) |
| 12. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Did any samples need to be preserved in the lab?    |

## Bottle Conditions

- |     |  |   |
|-----|--|---|
| 13. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All bottles intact                                  |
| 14. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Appropriate analytical bottles are used             |
| 15. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Merit bottles used                                  |
| 16. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sufficient sample volume received                   |
| 17. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples require laboratory filtration               |
| 18. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples submitted within holding time               |
| 19. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Do water VOC, TOX, DO or Alkalinity bottles contain |

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: \_\_\_\_\_ Date: \_\_\_\_\_

## Merit Laboratories Bottle Preservation Check

Lab Set ID: S75412      Submitted: 06/06/2025 15:20

Attention: Clifford Yantz  
Address: Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Client: RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Initial Preservation Check: 06/09/2025 10:39 JEH

Phone: 313-333-0211      FAX:  
Email: Clifford.Yantz@ramboll.com

Preservation Recheck (E200.8): N/A

| Sample ID | Bottle / Preservation | pH (Orig) | Add ml | pH (New) | Notes |
|-----------|-----------------------|-----------|--------|----------|-------|
| S75412.01 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.01 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.01 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.01 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.01 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.02 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.02 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.02 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.02 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.02 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.03 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.03 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.03 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.03 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.03 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.04 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.04 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.04 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.04 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.04 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.05 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.05 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.05 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.05 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.05 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.06 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.06 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.06 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.06 | 125mL Plastic NaOH    | >12       |        |          |       |

## Merit Laboratories Bottle Preservation Check

Lab Set ID: S75412      Submitted: 06/06/2025 15:20

Attention: Clifford Yantz  
Address: Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Client: RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Initial Preservation Check: 06/09/2025 10:39 JEH

Phone: 313-333-0211      FAX:  
Email: Clifford.Yantz@ramboll.com

Preservation Recheck (E200.8): N/A

| Sample ID | Bottle / Preservation | pH (Orig) | Add ml | pH (New) | Notes |
|-----------|-----------------------|-----------|--------|----------|-------|
| S75412.06 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.07 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.07 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.07 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.07 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.07 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.08 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.08 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.08 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.08 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.08 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.09 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.09 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.09 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.09 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.09 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.10 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.10 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.10 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.10 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.10 | 250mL Amber H2SO4     | <2        |        |          |       |
| S75412.11 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75412.11 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.11 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75412.11 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75412.11 | 250mL Amber H2SO4     | <2        |        |          |       |

# Merit

Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823  
Phone (517) 332-0167 Fax (517) 332-6333  
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

57044

## REPORT TO

## CHAIN OF CUSTODY RECORD

## INVOICE TO

CONTACT NAME: Clifford Yantz/ Kevin Schneider  
 COMPANY: Ramboll  
 ADDRESS: 2090 Commonwealth Blvd.  
 CITY: Ann Arbor STATE: MI ZIP CODE: 48105  
 PHONE NO.: 313-333-0211 FAX NO.: --- P.O. NO.: 194001180 Task 1  
 E-MAIL ADDRESS: Clifford.yantz@ramboll.com Kevin.schneider@ramboll.com QUOTE NO.: ---

CONTACT NAME: X SAME  
 COMPANY: ---  
 ADDRESS: ---  
 CITY: --- STATE: --- ZIP CODE: ---  
 PHONE NO.: --- FAX NO.: --- P.O. NO.: ---

### ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME: RACER Coldwater Road SAMPLER(S) - PLEASE PRINT/SIGN NAME: Savannah Thielber  
 TURNAROUND TIME REQUIRED:  24 HR  48 HR  72 HR  STANDARD  OTHER  
 DELIVERABLES REQUIRED:  STANDARD  LEVEL II  LEVEL III  OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

| # Containers & Preservatives |  | VOCs | TOC | TOX | Phenols | Cyanide | Sulfate | Chlorides | Total Sodium | Dissolved metals | Specific Conductivity | SPECIAL INSTRUCTIONS/NOTES |
|------------------------------|--|------|-----|-----|---------|---------|---------|-----------|--------------|------------------|-----------------------|----------------------------|
|------------------------------|--|------|-----|-----|---------|---------|---------|-----------|--------------|------------------|-----------------------|----------------------------|

| MERIT LAB NO. | YEAR   |      | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX | # OF BOTTLES | NONE | HCL | HNO3 | H2SO4 | NaOH | MeOH | OTHER | VOCs | TOC | TOX | Phenols | Cyanide | Sulfate | Chlorides | Total Sodium | Dissolved metals | Specific Conductivity | SPECIAL INSTRUCTIONS/NOTES |                                      |
|---------------|--------|------|---------------------------------------|--------|--------------|------|-----|------|-------|------|------|-------|------|-----|-----|---------|---------|---------|-----------|--------------|------------------|-----------------------|----------------------------|--------------------------------------|
|               | DATE   | TIME |                                       |        |              |      |     |      |       |      |      |       |      |     |     |         |         |         |           |              |                  |                       |                            |                                      |
| 7912.01       | 6/4/25 | 1512 | B-27D-20250604                        | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          | Dissolved metals were field filtered |
| .02           | 6/5/25 | 1035 | B-22D-20250605                        | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .03           | 6/5/25 | 1106 | B-24R-20250605                        | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .04           | 6/5/25 | 1225 | B-21D-20250605                        | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          | metals are:                          |
| .05           | 6/5/25 | 1415 | B-20D-20250605                        | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          | Cr, Cu, Ni, Zn, Fe, Mn               |
| .06           | 6/5/25 | 1615 | B-1608b-mw-16D-20250605               | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .07           | 6/5/25 | 1441 | B-19AR-20250605                       | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .08           | 6/6/25 | 0905 | B-18A-20250606                        | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .09           | 6/6/25 | -    | MW-DUP-1-20250606                     | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .10           | 6/6/25 | 1100 | B-7-20250606                          | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .11           | 6/6/25 | 1216 | B-9-20250606                          | GW     | 11           | 1    | 3   | 2    | 4     | 1    |      |       | X    | X   | X   | X       | X       | X       | X         | X            | X                | X                     | X                          |                                      |
| .12           | 6/6/25 | -    | Trip Blank-20250606-2                 | GW     | 1            | 1    |     |      |       |      |      |       | X    |     |     |         |         |         |           |              |                  |                       |                            |                                      |

RELINQUISHED BY: Savannah Thielber DATE: 6/6/25 TIME: 1330  
 RECEIVED BY: [Signature] DATE: 6/6/25 TIME: 1315  
 RELINQUISHED BY: [Signature] DATE: 6/6/25 TIME: 15:20  
 RECEIVED BY: [Signature] DATE: 6/6/25 TIME: 15:20

RELINQUISHED BY: --- DATE: --- TIME: ---  
 RECEIVED BY: --- DATE: --- TIME: ---  
 SEAL NO. SEAL INTACT YES  NO  INITIALS: --- NOTES: --- TEMP. ON ARRIVAL: 3.1



2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-6333  
 www.meritlabs.com

C.O.C. PAGE # 2 OF 2

57838

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME: Clifford Yantz/kevin schneider  
 COMPANY: Ramboll  
 ADDRESS: 2090 Common Wealth Blvd.  
 CITY: Ann Arbor STATE: MI ZIP CODE: 48105  
 PHONE NO.: 313-333-0211 FAX NO.: —  
 P.O. NO.: P40011180 Task 1  
 E-MAIL ADDRESS: clifford.yantz@ramboll.com kevin.schneider@ramboll.com  
 QUOTE NO.: —

CONTACT NAME:  SAME  
 COMPANY:  
 ADDRESS:  
 CITY: STATE: ZIP CODE:  
 PHONE NO.: FAX NO.: P.O. NO.:

**ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)**

PROJECT NO./NAME: RACER coldwater rd SAMPLER(S) - PLEASE PRINT/SIGN NAME: Savannah Thielbar  
 TURNAROUND TIME REQUIRED:  24 HR  48 HR  72 HR  STANDARD  OTHER  
 DELIVERABLES REQUIRED:  STANDARD  LEVEL II  LEVEL III  OTHER

MATRIX CODE: GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER O=OIL S=SOIL A=AIR L=LIQUID W=WASTE SD=SOLID M=MISC

| MERIT LAB NO.   | YEAR          |          | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX   | # OF BOTTLES | NONE | HCL | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH | MeOH | OTHER | # Containers & Preservatives | SPECIAL INSTRUCTIONS/NOTES |
|-----------------|---------------|----------|---------------------------------------|----------|--------------|------|-----|------------------|--------------------------------|------|------|-------|------------------------------|----------------------------|
|                 | DATE          | TIME     |                                       |          |              |      |     |                  |                                |      |      |       |                              |                            |
| <u>75412.13</u> | <u>6/6/25</u> | <u>—</u> | <u>Trip Blank - 20250606</u>          | <u>L</u> | <u>1</u>     |      |     |                  |                                |      |      |       | <u>1</u>                     | <u>VOCs</u>                |
| <u>.14</u>      | <u>6/6/25</u> | <u>—</u> | <u>Trip Blank - 20250606-3</u>        | <u>L</u> | <u>1</u>     |      |     |                  |                                |      |      |       | <u>1</u>                     | <u>ST</u>                  |
|                 |               |          |                                       |          |              |      |     |                  |                                |      |      |       |                              | <u>ST</u>                  |

RELINQUISHED BY: Savannah Thielbar DATE: 6/6/25 TIME: 1330  
 RECEIVED BY: J. Mant DATE: 6/6/25 TIME: 1230  
 RELINQUISHED BY: J. Mant DATE: 6/6/25 TIME: 1530  
 RECEIVED BY: [Signature] DATE: 6/8/25 TIME: 1520

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:  
 RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:  
 SEAL NO. SEAL INTACT YES  NO  INITIALS: NOTES: TEMP. ON ARRIVAL: 3.1

June 26, 2025

John Laverty  
Merit Laboratories Inc.  
2680 East Lansing Drive  
East Lansing, Michigan 48823

Re: Halogen Analysis  
Work Order: 728086  
SDG: S75412

Dear John Laverty:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 10, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at [www.gel.com](http://www.gel.com).

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 1614.

Sincerely,

Abigail Martin for  
Delaney Stonesmith  
Project Manager

Purchase Order: GELP20-0014  
Enclosures

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis Report for

MERI001 Merit Laboratories, Inc.

Client SDG: S75412 GEL Work Order: 728086

**The Qualifiers in this report are defined as follows:**

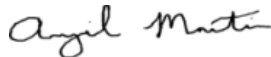
- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a Tracer compound
- \*\* Analyte is a surrogate compound
- J Value is estimated
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Delaney Stonesmith.

Reviewed by



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.01       | Project:   | MERI00220 |
| Sample ID:        | 728086001       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 04-JUN-25 15:12 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 0506 | 2813711 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.02       | Project:   | MERI00220 |
| Sample ID:        | 728086002       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 05-JUN-25 10:35 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 0550 | 2813711 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.03       | Project:   | MERI00220 |
| Sample ID:        | 728086003       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 05-JUN-25 11:06 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      |           | 11.2   | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 0707 | 2813711 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.04       | Project:   | MERI00220 |
| Sample ID:        | 728086004       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 05-JUN-25 12:25 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 0751 | 2813711 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

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## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.05       | Project:   | MERI00220 |
| Sample ID:        | 728086005       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 05-JUN-25 14:15 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 0903 | 2813711 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

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## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.06       | Project:   | MERI00220 |
| Sample ID:        | 728086006       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 05-JUN-25 16:15 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/17/25 | 2336 | 2815262 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |



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## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive  
East Lansing, Michigan 48823  
Contact: John Laverty  
Project: Halogen Analysis

Client Sample ID: S75412.08 Project: MERI00220  
Sample ID: 728086008 Client ID: MERI001  
Matrix: Ground Water  
Collect Date: 06-JUN-25 09:05  
Receive Date: 10-JUN-25  
Collector: Client

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/25/25 | 2159 | 2817523 | 1      |

The following Analytical Methods were performed:

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1      | SW846 9020B |                  |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive  
  
East Lansing, Michigan 48823  
Contact: John Lavery  
Project: Halogen Analysis

Client Sample ID: S75412.09      Project: MERI00220  
Sample ID: 728086009      Client ID: MERI001  
Matrix: Ground Water  
Collect Date: 06-JUN-25 00:01  
Receive Date: 10-JUN-25  
Collector: Client

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | J         | 3.43   | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/26/25 | 0003 | 2817523 | 1      |

The following Analytical Methods were performed:

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

DF: Dilution Factor      Lc/LC: Critical Level  
DL: Detection Limit      PF: Prep Factor  
MDA: Minimum Detectable Activity      RL: Reporting Limit  
MDC: Minimum Detectable Concentration      SQL: Sample Quantitation Limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.10       | Project:   | MERI00220 |
| Sample ID:        | 728086010       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 06-JUN-25 11:00 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      |           | 12.8   | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/26/25 | 0050 | 2817523 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 26, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75412.11       | Project:   | MERI00220 |
| Sample ID:        | 728086011       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 06-JUN-25 12:16 |            |           |
| Receive Date:     | 10-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/26/25 | 0204 | 2817523 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: June 26, 2025

Page 1 of 3

**Merit Laboratories Inc.**  
**2680 East Lansing Drive**  
**East Lansing, Michigan**  
**Contact: John Laverty**

**Workorder: 728086**

| Parmname                | NOM       | Sample | Qual | QC   | Units | RPD/D% | REC% | Range      | Anlst | Date     | Time  |
|-------------------------|-----------|--------|------|------|-------|--------|------|------------|-------|----------|-------|
| <b>Halogen Analysis</b> |           |        |      |      |       |        |      |            |       |          |       |
| Batch                   | 2813711   |        |      |      |       |        |      |            |       |          |       |
| QC1206140854            | 727737001 | DUP    |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           | 10.9   | J    | 3.72 | ug/L  | 98.5   | ^    | (+/-10.0)  | RMJ   | 06/17/25 | 00:27 |
| QC1206140853            | LCS       |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       |        |      | 86.6 | ug/L  |        |      | (73%-117%) |       | 06/16/25 | 23:39 |
| QC1206140852            | MB        |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           |        | U    | ND   | ug/L  |        |      |            |       | 06/16/25 | 23:14 |
| QC1206140855            | 727737001 | MS     |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       | 10.9   |      | 91.8 | ug/L  |        |      | (55%-128%) |       | 06/17/25 | 01:35 |
| Batch                   | 2815262   |        |      |      |       |        |      |            |       |          |       |
| QC1206143989            | 728086006 | DUP    |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           | U      | ND   | U    | ND    | ug/L   | N/A  |            | RMJ   | 06/17/25 | 23:57 |
| QC1206143988            | LCS       |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       |        |      | 110  | ug/L  |        |      | (73%-117%) |       | 06/17/25 | 23:15 |
| QC1206143987            | MB        |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           |        | U    | ND   | ug/L  |        |      |            |       | 06/17/25 | 22:50 |
| QC1206143990            | 728086006 | MS     |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       | U      | ND   | 88.3 | ug/L  |        |      | (55%-128%) |       | 06/18/25 | 00:46 |
| Batch                   | 2817523   |        |      |      |       |        |      |            |       |          |       |
| QC1206148359            | 726567001 | DUP    |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           | 400    |      | 370  | ug/L  | 7.7    |      | (0%-20%)   | RMJ   | 06/25/25 | 20:32 |

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 728086

Page 2 of 3

| Parmname                | NOM          | Sample | Qual | QC   | Units | RPD/D% | REC% | Range      | Anlst | Date     | Time  |
|-------------------------|--------------|--------|------|------|-------|--------|------|------------|-------|----------|-------|
| <b>Halogen Analysis</b> |              |        |      |      |       |        |      |            |       |          |       |
| Batch                   | 2817523      |        |      |      |       |        |      |            |       |          |       |
| QC1206148358            | LCS          |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100          |        |      | 96.9 | ug/L  |        | 96.9 | (73%-117%) | RMJ   | 06/25/25 | 19:47 |
| QC1206148357            | MB           |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |              |        | J    | 4.64 | ug/L  |        |      |            |       | 06/25/25 | 19:24 |
| QC1206148360            | 726567001 MS |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100          | 400    |      | 354  | ug/L  |        | 0*   | (55%-128%) |       | 06/25/25 | 21:17 |

**Notes:**

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- NI See case narrative
- R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
- B The target analyte was detected in the associated blank.
- e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
- x Subaliquot was taken. See Case Narrative for details.

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 728086

Page 3 of 3

| <u>Parmname</u> | <u>NOM</u> | <u>Sample Qual</u> | <u>QC</u> | <u>Units</u> | <u>RPD/D%</u> | <u>REC%</u> | <u>Range</u> | <u>Anlst</u> | <u>Date</u> | <u>Time</u> |
|-----------------|------------|--------------------|-----------|--------------|---------------|-------------|--------------|--------------|-------------|-------------|
|-----------------|------------|--------------------|-----------|--------------|---------------|-------------|--------------|--------------|-------------|-------------|

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

**General Chemistry  
Technical Case Narrative  
Merit Laboratories, Inc.  
SDG #: S75412  
Work Order #: 728086**

**Product:** Total Organic Halogens (TOX)  
**Analytical Method:** SW846 9020B  
**Analytical Procedure:** GL-GC-E-007 REV# 17  
**Analytical Batch:** 2813711

The following samples were analyzed using the above methods and analytical procedure(s).

| <b><u>GEL Sample ID#</u></b> | <b><u>Client Sample Identification</u></b>  |
|------------------------------|---|
| 728086001                    | S75412.01                                   |
| 728086002                    | S75412.02                                   |
| 728086003                    | S75412.03                                   |
| 728086004                    | S75412.04                                   |
| 728086005                    | S75412.05                                   |
| 1206140852                   | Method Blank (MB)                           |
| 1206140853                   | Laboratory Control Sample (LCS)             |
| 1206140854                   | 727737001(S75293.01) Sample Duplicate (DUP) |
| 1206140855                   | 727737001(S75293.01) Matrix Spike (MS)      |

The samples in this SDG were analyzed on an "as received" basis.

**Data Summary:**

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

**Miscellaneous Information**

**Additional Comments**

A pair of nitrate wash blanks is analyzed at the start of the batch. Although they are designated as ICB, they are performed for calculating purposes only. The value of the nitrate wash blanks are averaged and subtracted from all samples. Neither of these values should exceed 0.6 ug Cl. The PQL limit typically applied to ICB results does not apply in this application, since the results are used only to determine background concentrations and are subtracted from all calculated results.

**Breakthrough effect**

Breakthrough effect: If the value for a sample is greater than the reporting limit (10 ug/L), the result for the second slug should not be greater than 25% of the combined value of the first and second slug. Results which do not meet these criteria are designated with a "Fail" comment in the Breakthrough effect column on the Logbook page; however, the "fail" designation is not applicable for samples with a result of less than 10 ug/L.

**Product:** Total Organic Halogens (TOX)  
**Analytical Method:** SW846 9020B  
**Analytical Procedure:** GL-GC-E-007 REV# 17  
**Analytical Batch:** 2815262

The following samples were analyzed using the above methods and analytical procedure(s).

| <u>GEL Sample ID#</u> | <u>Client Sample Identification</u>         |
|-----------------------|---|
| 728086006             | S75412.06                                   |
| 728086007             | S75412.07                                   |
| 1206143987            | Method Blank (MB)                           |
| 1206143988            | Laboratory Control Sample (LCS)             |
| 1206143989            | 728086006(S75412.06) Sample Duplicate (DUP) |
| 1206143990            | 728086006(S75412.06) Matrix Spike (MS)      |

The samples in this SDG were analyzed on an "as received" basis.

#### **Data Summary:**

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

#### **Miscellaneous Information**

##### **Additional Comments**

A pair of nitrate wash blanks is analyzed at the start of the batch. Although they are designated as ICB, they are performed for calculating purposes only. The value of the nitrate wash blanks are averaged and subtracted from all samples. Neither of these values should exceed 0.6 ug Cl. The PQL limit typically applied to ICB results does not apply in this application, since the results are used only to determine background concentrations and are subtracted from all calculated results.

##### **Breakthrough effect**

Breakthrough effect: If the value for a sample is greater than the reporting limit (10 ug/L), the result for the second slug should not be greater than 25% of the combined value of the first and second slug. Results which do not meet these criteria are designated with a "Fail" comment in the Breakthrough effect column on the Logbook page; however, the "fail" designation is not applicable for samples with a result of less than 10 ug/L.

##### **Product: Total Organic Halogens (TOX)**

**Analytical Method:** SW846 9020B

**Analytical Procedure:** GL-GC-E-007 REV# 17

**Analytical Batch:** 2817523

The following samples were analyzed using the above methods and analytical procedure(s).

| <u>GEL Sample ID#</u> | <u>Client Sample Identification</u>      |
|-----------------------|--|
| 728086008             | S75412.08                                |
| 728086009             | S75412.09                                |
| 728086010             | S75412.10                                |
| 728086011             | S75412.11                                |
| 1206148357            | Method Blank (MB)                        |
| 1206148358            | Laboratory Control Sample (LCS)          |
| 1206148359            | 726567001(NonSDG) Sample Duplicate (DUP) |
| 1206148360            | 726567001(NonSDG) Matrix Spike (MS)      |

The samples in this SDG were analyzed on an "as received" basis.

#### **Data Summary:**

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the

following exceptions.

### **Quality Control (QC) Information**

#### **Matrix Spike (MS)/Post Spike (PS) Recovery Statement**

The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

| Analyte                | Sample                           | Value             |
|------------------------|----------------------------------|-------------------|
| Total Organic Halogens | 1206148360 (Non SDG 726567001MS) | -46.2* (55%-128%) |

### **Technical Information**

#### **Sample Dilutions**

The following samples 1206148359 (Non SDG 726567001DUP) and 1206148360 (Non SDG 726567001MS) in this sample group were diluted due to matrix interference. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

### **Miscellaneous Information**

#### **Additional Comments**

A pair of nitrate wash blanks is analyzed at the start of the batch. Although they are designated as ICB, they are performed for calculating purposes only. The value of the nitrate wash blanks are averaged and subtracted from all samples. Neither of these values should exceed 0.6 ug Cl. The PQL limit typically applied to ICB results does not apply in this application, since the results are used only to determine background concentrations and are subtracted from all calculated results.

#### **Breakthrough effect**

Breakthrough effect: If the value for a sample is greater than the reporting limit (10 ug/L), the result for the second slug should not be greater than 25% of the combined value of the first and second slug. Results which do not meet these criteria are designated with a "Fail" comment in the Breakthrough effect column on the Logbook page; however, the "fail" designation is not applicable for samples with a result of less than 10 ug/L.

### **Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.



**SAMPLE RECEIPT & REVIEW FORM**

Client: **MERI** SDG/AR/COC/Work Order: **7280810** GEL PM:

Received By: **Stacy Boone** Date Received at GEL: **June 10, 2025**

Carrier (Circle Applicable): FedEx Express FedEx Ground **(UPS)** Field Services Courier Client Other: IR Temp gun # **184.2A** Daily Calibration Performed? **(Y)**

| Tracking Number                | Temp (C)  | If over 6 °C, check if samples do not require cold preservation (ie radionuclides only). | Tracking Number | Temp (C) | If over 6 °C, check if samples do not require cold preservation (ie radionuclides only). |
|--------------------------------|-----------|--|-----------------|----------|--|
| <b>1Z 466 477 15 6166 9441</b> | <b>1°</b> |  |                 |          |  |
|                                |           |  |                 |          |  |
|                                |           |  |                 |          |  |
|                                |           |  |                 |          |  |

| Suspected Hazard Information   | Yes | No                                  | *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.                |
|--|-----|-------------------------------------|---|
| A) Shipped as a DOT Hazardous?   |     | <input checked="" type="checkbox"/> | Hazard Class Shipped: <b>UN:</b>  |
| B) Did the client designate the samples are to be received as radioactive? |     | <input checked="" type="checkbox"/> | If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___   |
| C) Did the RSO classify the samples as radioactive?                        |     | <input checked="" type="checkbox"/> | COG/Other Radioactive stickers on containers equal client designation   |
| D) Are there any sample hazards to document?                               |     | <input checked="" type="checkbox"/> | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <b>CPM</b> mR/hr   |
| E) Was a SDS received and reviewed by Lab Safety?                          |     | <input checked="" type="checkbox"/> | Classified as: Rad 1 Rad 2 Rad 3<br>If yes, select Hazards below.<br>PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other: |
|  |     | <input checked="" type="checkbox"/> | Circle Applicable: See additional Comments below. No additional comments needed after review.   |

| Sample Receipt Criteria  | Yes                                 | NA | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|--|-------------------------------------|----|-------------------------------------|--|
| 1 Shipping containers received intact and sealed?  | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable: Direct client dropped? Seals broken Damaged container Leaking container Other (describe)  |
| 2 Chain of custody documents included with shipment?   | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable: Client contacted and provided COC COC created upon receipt  |
| 3 If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?       | <input checked="" type="checkbox"/> |    |                                     | Preservation Method: <b>Wet Ice</b> Ice Packs Dry Ice None Other:<br>*all temperatures recorded next to tracking numbers are in Celsius  |
| 4 Sample containers intact and sealed?   | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable: Seals broken Damaged container Leaking container Other (describe)   |
| 5 Samples requiring chemical preservation at proper pH?                                      |                                     |    | <input checked="" type="checkbox"/> | Preserved per COC request or list Sample IDs and Containers Affected:  |
| 6 Do any samples require Volatile Analysis? (if yes, answer all three additional questions.) |                                     |    | <input checked="" type="checkbox"/> | If Preservation added, Lot#:<br>If Yes, are Encores or Soil Kits present? Yes ___ No ___ (If yes, Inke to VOA Freezer)<br>Do liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (if unknown, select No)<br>Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___<br>Sample IDs and containers affected: |
| 7 Samples received within holding time?  | <input checked="" type="checkbox"/> |    |                                     | IDs and tests affected:  |
| 8 Sample IDs on COC match IDs on bottles?  | <input checked="" type="checkbox"/> |    |                                     | IDs and containers affected:   |
| 9 Date & time on COC match date & time on bottles?   | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)   |
| 10 Number of containers received match number indicated on COC?                              | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)  |
| 11 Are sample containers identifiable as GEL provided by use of GEL labels?                  |                                     |    | <input checked="" type="checkbox"/> |  |
| 12 COC form is properly signed in relinquished/received sections?                            | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable: Not relinquished Other (describe)   |

Comments:

PM (or PMA) review: Initials **AM** Date **6/11/25**

Continuation Form Required when selected

**List of current GEL Certifications as of 26 June 2025**

| <b>State</b>              | <b>Certification</b> |
|---------------------------|----------------------|
| Alabama                   | 42200                |
| Alaska                    | 17-018               |
| Alaska Drinking Water     | SC00012              |
| Arkansas                  | 88-00651             |
| CLIA                      | 42D0904046           |
| California                | 2940                 |
| Colorado                  | SC00012              |
| Connecticut               | PH-0169              |
| DoD ELAP/ ISO17025 A2LA   | 2567.01              |
| Florida NELAP             | E87156               |
| Foreign Soils Permit      | 525-24-281-19660     |
| Georgia                   | SC00012              |
| Georgia SDWA              | 967                  |
| Hawaii                    | SC00012              |
| Idaho                     | SC00012              |
| Illinois NELAP            | 200029               |
| Indiana                   | C-SC-01              |
| Kansas NELAP              | E-10332              |
| Kentucky SDWA             | KY90129              |
| Kentucky Wastewater       | KY90129              |
| Louisiana Drinking Water  | LA024                |
| Louisiana NELAP           | 03046 (AI33904)      |
| Maine                     | 2023019              |
| Maryland                  | 270                  |
| Massachusetts             | M-SC012              |
| Massachusetts PFAS Approv | Letter               |
| Michigan                  | 9976                 |
| Mississippi               | SC00012              |
| Nebraska                  | NE-OS-26-13          |
| Nevada                    | NV-C24-00175         |
| New Hampshire NELAP       | 205424               |
| New Jersey NELAP          | SC002                |
| New Mexico                | SC00012              |
| New York NELAP            | 11501                |
| North Carolina            | 233                  |
| North Carolina SDWA       | 45709                |
| North Dakota              | R-158                |
| Oklahoma                  | 2023-152             |
| Pennsylvania NELAP        | 68-00485             |
| Puerto Rico               | SC00012              |
| S. Carolina Radiochem     | 10120002             |
| Sanitation Districts of L | 9255651              |
| South Carolina Chemistry  | 10120001             |
| Tennessee                 | TN 02934             |
| Texas NELAP               | T104704235           |
| Utah NELAP                | SC000122024-45       |
| Vermont                   | VT87156              |
| Virginia NELAP            | 460202               |
| Washington                | C780                 |



# Quality Control Report

Report ID: QC-S75412-01  
Generated on 06/26/2025

Report to

Attention: Clifford Yantz  
Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:

Report Produced by

Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S75412.01-S75412.14  
Project: RACER Coldwater Road  
Submitted Date/Time: 06/06/2025 15:20  
Sampled by: Savannah Thielbar  
P.O. #: 1940011180 TASK1

QC Report Sections

- Cover Page (Page 1)
- Analysis Summary (Pages 2-15)
- Prep Batch Summary (Pages 16-20)
- Surrogates per Lab Sample (Pages 21-34)
- Surrogates per QC Sample (Pages 35-37)
- Batch QC Results (Pages 38-62)

Report Flag Descriptions

- \*: QC result is outside of indicated control limits
- W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball  
Quality Assurance Manager

# QC Report - Analysis Summary

**Lab Sample ID: S75412.01**

Sample Tag: B-27D-20250604

Collected Date/Time: 06/04/2025 15:12

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method           | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                  |                |                |                |      |                   |
| Chloride                     | E300.0           | 06/10/25 11:33 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1           | 06/12/25 13:24 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN | 06/13/25 16:54 | CN250613-W1    | CN250613-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1           | 06/12/25 16:08 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0           | 06/10/25 11:33 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C          | 06/11/25 13:58 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                  |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8           | 06/13/25 11:49 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8           | 06/13/25 11:49 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8           | 06/13/25 11:49 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8           | 06/13/25 11:49 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8           | 06/13/25 11:49 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8           | 06/13/25 14:46 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8           | 06/13/25 11:49 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                  |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C    | 06/11/25 04:10 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.02**

Sample Tag: B-22D-20250605

Collected Date/Time: 06/05/2025 10:35

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method             | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|--------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                    |                |                |                |      |                   |
| Chloride                     | E300.0             | 06/10/25 11:43 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1             | 06/12/25 13:26 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN06 | 17/25 19:14    | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1             | 06/12/25 16:12 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0             | 06/10/25 11:43 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C            | 06/11/25 14:45 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                    |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8             | 06/13/25 11:54 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8             | 06/13/25 11:54 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8             | 06/13/25 11:54 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8             | 06/13/25 11:54 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8             | 06/13/25 11:54 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8             | 06/13/25 14:48 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8             | 06/13/25 11:54 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                    |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C      | 06/11/25 04:34 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.03**

Sample Tag: B-24R-20250605

Collected Date/Time: 06/05/2025 11:06

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method             | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|--------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                    |                |                |                |      |                   |
| Chloride                     | E300.0             | 06/10/25 11:53 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1             | 06/12/25 13:28 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN06 | 17/25 19:15    | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1             | 06/12/25 16:16 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0             | 06/10/25 12:03 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C            | 06/11/25 15:56 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                    |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8             | 06/13/25 11:55 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8             | 06/13/25 11:55 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8             | 06/13/25 11:55 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8             | 06/13/25 11:55 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8             | 06/13/25 11:55 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8             | 06/13/25 14:49 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8             | 06/13/25 11:55 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                    |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C      | 06/11/25 04:57 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.04**

Sample Tag: B-21D-20250605

Collected Date/Time: 06/05/2025 12:25

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method           | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                  |                |                |                |      |                   |
| Chloride                     | E300.0           | 06/10/25 12:13 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1           | 06/12/25 13:30 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN | 06/17/25 19:16 | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1           | 06/12/25 16:18 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0           | 06/10/25 12:13 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C          | 06/11/25 16:19 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                  |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8           | 06/13/25 11:56 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8           | 06/13/25 11:56 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8           | 06/13/25 11:56 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8           | 06/13/25 11:56 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8           | 06/13/25 11:56 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8           | 06/13/25 14:51 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8           | 06/13/25 11:56 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                  |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C    | 06/11/25 05:21 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.05**

Sample Tag: B-20D-20250605

Collected Date/Time: 06/05/2025 14:15

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method             | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|--------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                    |                |                |                |      |                   |
| Chloride                     | E300.0             | 06/10/25 12:23 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1             | 06/12/25 13:34 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN06 | 17/25 19:41    | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1             | 06/12/25 16:20 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0             | 06/10/25 12:23 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C            | 06/11/25 16:43 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                    |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8             | 06/13/25 11:58 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8             | 06/13/25 11:58 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8             | 06/13/25 11:58 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8             | 06/13/25 11:58 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8             | 06/13/25 11:58 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8             | 06/13/25 14:53 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8             | 06/13/25 11:58 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                    |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C      | 06/13/25 01:07 | 250612B11      | VF250612W2     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.06**

Sample Tag: OBG-MW-16D-20250605

Collected Date/Time: 06/05/2025 16:15

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method           | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                  |                |                |                |      |                   |
| Chloride                     | E300.0           | 06/10/25 12:33 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1           | 06/12/25 13:36 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN | 06/17/25 19:43 | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1           | 06/12/25 16:22 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0           | 06/10/25 12:33 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C          | 06/11/25 17:07 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                  |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8           | 06/13/25 11:59 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8           | 06/13/25 11:59 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8           | 06/13/25 11:59 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8           | 06/13/25 11:59 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8           | 06/13/25 11:59 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8           | 06/13/25 14:55 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8           | 06/13/25 11:59 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                  |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C    | 06/11/25 06:08 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.07**

Sample Tag: B-19AR-20250605

Collected Date/Time: 06/05/2025 14:41

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method           | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                  |                |                |                |      |                   |
| Chloride                     | E300.0           | 06/10/25 12:43 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1           | 06/12/25 13:38 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN | 06/17/25 19:43 | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1           | 06/12/25 16:24 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0           | 06/10/25 12:43 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C          | 06/11/25 17:30 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                  |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8           | 06/13/25 12:01 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8           | 06/13/25 12:01 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8           | 06/13/25 12:01 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8           | 06/13/25 12:01 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8           | 06/13/25 12:01 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8           | 06/13/25 14:57 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8           | 06/13/25 12:01 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                  |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C    | 06/11/25 06:32 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.08**

Sample Tag: B-18A-20250606

Collected Date/Time: 06/06/2025 09:05

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method           | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                  |                |                |                |      |                   |
| Chloride                     | E300.0           | 06/10/25 12:53 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1           | 06/12/25 13:40 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN | 06/17/25 19:50 | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1           | 06/12/25 16:26 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0           | 06/10/25 12:53 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C          | 06/11/25 17:54 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                  |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8           | 06/13/25 12:02 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8           | 06/13/25 12:02 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8           | 06/13/25 12:02 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8           | 06/13/25 12:02 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8           | 06/13/25 12:02 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8           | 06/13/25 14:58 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8           | 06/13/25 12:02 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                  |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C    | 06/11/25 06:56 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.09**

Sample Tag: MW-DUP-1-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method           | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                  |                |                |                |      |                   |
| Chloride                     | E300.0           | 06/10/25 13:03 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1           | 06/12/25 13:42 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN | 06/17/25 19:51 | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1           | 06/12/25 16:28 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0           | 06/10/25 13:03 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C          | 06/11/25 18:17 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                  |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8           | 06/13/25 12:03 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8           | 06/13/25 12:03 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8           | 06/13/25 12:03 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8           | 06/13/25 12:03 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8           | 06/13/25 12:03 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8           | 06/13/25 15:05 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8           | 06/13/25 12:03 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                  |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C    | 06/11/25 07:19 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.10**

Sample Tag: B-7-20250606

Collected Date/Time: 06/06/2025 11:00

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method             | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|--------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                    |                |                |                |      |                   |
| Chloride                     | E300.0             | 06/10/25 13:13 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1             | 06/12/25 13:44 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN06 | 17/25 19:52    | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1             | 06/12/25 16:30 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0             | 06/10/25 13:13 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C            | 06/11/25 18:41 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                    |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8             | 06/13/25 12:13 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8             | 06/13/25 12:13 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8             | 06/13/25 12:13 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8             | 06/13/25 12:13 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8             | 06/13/25 12:13 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8             | 06/13/25 15:07 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8             | 06/13/25 12:13 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                    |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C      | 06/11/25 07:43 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

## QC Report - Analysis Summary

**Lab Sample ID: S75412.11**

Sample Tag: B-9-20250606

Collected Date/Time: 06/06/2025 12:16

Matrix: Groundwater

COC Reference: 57044

| Analysis                     | Method             | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|--------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                    |                |                |                |      |                   |
| Chloride                     | E300.0             | 06/10/25 14:14 | CL250610-W1-A  | CL250610-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1             | 06/12/25 13:46 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN06 | 17/25 19:53    | CN250617-W1    | CN250617-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1             | 06/12/25 16:32 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0             | 06/10/25 14:24 | SFT250610-W1-A | SFT250610-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C            | 06/11/25 19:31 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                    |                |                |                |      |                   |
| Chromium, Dissolved          | E200.8             | 06/13/25 12:15 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper, Dissolved            | E200.8             | 06/13/25 12:15 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron, Dissolved              | E200.8             | 06/13/25 12:15 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese, Dissolved         | E200.8             | 06/13/25 12:15 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel, Dissolved            | E200.8             | 06/13/25 12:15 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8             | 06/13/25 15:08 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc, Dissolved              | E200.8             | 06/13/25 12:15 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                    |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C      | 06/11/25 08:06 | 250610B7       | VF250610W3     | Yes  | BLK/LCS/LCSD      |

# QC Report - Analysis Summary

Lab Sample ID: S75412.12

Sample Tag: Trip Blank-20250606-2

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57044

| Analysis                     | Method        | Run Date/Time  | Batch ID  | Prep ID    | Surr | QC Types     |
|------------------------------|---------------|----------------|-----------|------------|------|--------------|
| <b>Organics - Volatiles</b>  |               |                |           |            |      |              |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 01:31 | 250610C11 | VF250610W4 | Yes  | BLK/LCS/LCSD |

# QC Report - Analysis Summary

Lab Sample ID: S75412.13

Sample Tag: Trip Blank-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57838

| Analysis                     | Method        | Run Date/Time  | Batch ID  | Prep ID    | Surr | QC Types     |
|------------------------------|---------------|----------------|-----------|------------|------|--------------|
| <b>Organics - Volatiles</b>  |               |                |           |            |      |              |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 01:54 | 250610C11 | VF250610W4 | Yes  | BLK/LCS/LCSD |

# QC Report - Analysis Summary

Lab Sample ID: S75412.14

Sample Tag: Trip Blank-20250606-3

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57838

| Analysis                     | Method        | Run Date/Time  | Batch ID  | Prep ID    | Surr | QC Types     |
|------------------------------|---------------|----------------|-----------|------------|------|--------------|
| <b>Organics - Volatiles</b>  |               |                |           |            |      |              |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 02:18 | 250610C11 | VF250610W4 | Yes  | BLK/LCS/LCSD |

## QC Report - Prep Batch Summary

### Inorganics, Prep Batch ID: CL250610-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID      |
|-----------|----------|--------|----------------|---------------|
| S75412.01 | Chloride | E300.0 | 06/10/25 11:33 | CL250610-W1-A |
| S75412.02 | Chloride | E300.0 | 06/10/25 11:43 | CL250610-W1-A |
| S75412.03 | Chloride | E300.0 | 06/10/25 11:53 | CL250610-W1-A |
| S75412.04 | Chloride | E300.0 | 06/10/25 12:13 | CL250610-W1-A |
| S75412.05 | Chloride | E300.0 | 06/10/25 12:23 | CL250610-W1-A |
| S75412.06 | Chloride | E300.0 | 06/10/25 12:33 | CL250610-W1-A |
| S75412.07 | Chloride | E300.0 | 06/10/25 12:43 | CL250610-W1-A |
| S75412.08 | Chloride | E300.0 | 06/10/25 12:53 | CL250610-W1-A |
| S75412.09 | Chloride | E300.0 | 06/10/25 13:03 | CL250610-W1-A |
| S75412.10 | Chloride | E300.0 | 06/10/25 13:13 | CL250610-W1-A |
| S75412.11 | Chloride | E300.0 | 06/10/25 14:14 | CL250610-W1-A |

### Inorganics, Prep Batch ID: CN250613-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis       | Method             | Run Date/Time  | Batch ID    |
|-----------|----------------|--------------------|----------------|-------------|
| S75412.01 | Cyanide, Total | E335.4/SM4500-CN06 | 06/13/25 16:54 | CN250613-W1 |

### Inorganics, Prep Batch ID: CN250617-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis       | Method             | Run Date/Time  | Batch ID    |
|-----------|----------------|--------------------|----------------|-------------|
| S75412.02 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:14 | CN250617-W1 |
| S75412.03 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:15 | CN250617-W1 |
| S75412.04 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:16 | CN250617-W1 |
| S75412.05 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:41 | CN250617-W1 |
| S75412.06 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:43 | CN250617-W1 |
| S75412.07 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:43 | CN250617-W1 |
| S75412.08 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:50 | CN250617-W1 |
| S75412.09 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:51 | CN250617-W1 |
| S75412.10 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:52 | CN250617-W1 |
| S75412.11 | Cyanide, Total | E335.4/SM4500-CN06 | 06/17/25 19:53 | CN250617-W1 |

### Inorganics, Prep Batch ID: COND250612-W1

Surrogates: No, QC Types: BLK/LCS/DUP

| Sample ID | Analysis     | Method | Run Date/Time  | Batch ID      |
|-----------|--------------|--------|----------------|---------------|
| S75412.01 | Conductivity | E120.1 | 06/12/25 13:24 | COND250612-W1 |
| S75412.02 | Conductivity | E120.1 | 06/12/25 13:26 | COND250612-W1 |
| S75412.03 | Conductivity | E120.1 | 06/12/25 13:28 | COND250612-W1 |
| S75412.04 | Conductivity | E120.1 | 06/12/25 13:30 | COND250612-W1 |
| S75412.05 | Conductivity | E120.1 | 06/12/25 13:34 | COND250612-W1 |
| S75412.06 | Conductivity | E120.1 | 06/12/25 13:36 | COND250612-W1 |
| S75412.07 | Conductivity | E120.1 | 06/12/25 13:38 | COND250612-W1 |
| S75412.08 | Conductivity | E120.1 | 06/12/25 13:40 | COND250612-W1 |
| S75412.09 | Conductivity | E120.1 | 06/12/25 13:42 | COND250612-W1 |
| S75412.10 | Conductivity | E120.1 | 06/12/25 13:44 | COND250612-W1 |
| S75412.11 | Conductivity | E120.1 | 06/12/25 13:46 | COND250612-W1 |

### Inorganics, Prep Batch ID: PHL250612-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID     |
|-----------|----------|--------|----------------|--------------|
| S75412.01 | Phenols  | E420.1 | 06/12/25 16:08 | PHL250612-W1 |

## QC Report - Prep Batch Summary

### Inorganics, Prep Batch ID: PHL250612-W1 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID     |
|-----------|----------|--------|----------------|--------------|
| S75412.02 | Phenols  | E420.1 | 06/12/25 16:12 | PHL250612-W1 |
| S75412.03 | Phenols  | E420.1 | 06/12/25 16:16 | PHL250612-W1 |
| S75412.04 | Phenols  | E420.1 | 06/12/25 16:18 | PHL250612-W1 |
| S75412.05 | Phenols  | E420.1 | 06/12/25 16:20 | PHL250612-W1 |
| S75412.06 | Phenols  | E420.1 | 06/12/25 16:22 | PHL250612-W1 |
| S75412.07 | Phenols  | E420.1 | 06/12/25 16:24 | PHL250612-W1 |
| S75412.08 | Phenols  | E420.1 | 06/12/25 16:26 | PHL250612-W1 |
| S75412.09 | Phenols  | E420.1 | 06/12/25 16:28 | PHL250612-W1 |
| S75412.10 | Phenols  | E420.1 | 06/12/25 16:30 | PHL250612-W1 |
| S75412.11 | Phenols  | E420.1 | 06/12/25 16:32 | PHL250612-W1 |

### Inorganics, Prep Batch ID: SFT250610-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID       |
|-----------|----------|--------|----------------|----------------|
| S75412.01 | Sulfate  | E300.0 | 06/10/25 11:33 | SFT250610-W1-A |
| S75412.02 | Sulfate  | E300.0 | 06/10/25 11:43 | SFT250610-W1-A |
| S75412.03 | Sulfate  | E300.0 | 06/10/25 12:03 | SFT250610-W1-A |
| S75412.04 | Sulfate  | E300.0 | 06/10/25 12:13 | SFT250610-W1-A |
| S75412.05 | Sulfate  | E300.0 | 06/10/25 12:23 | SFT250610-W1-A |
| S75412.06 | Sulfate  | E300.0 | 06/10/25 12:33 | SFT250610-W1-A |
| S75412.07 | Sulfate  | E300.0 | 06/10/25 12:43 | SFT250610-W1-A |
| S75412.08 | Sulfate  | E300.0 | 06/10/25 12:53 | SFT250610-W1-A |
| S75412.09 | Sulfate  | E300.0 | 06/10/25 13:03 | SFT250610-W1-A |
| S75412.10 | Sulfate  | E300.0 | 06/10/25 13:13 | SFT250610-W1-A |
| S75412.11 | Sulfate  | E300.0 | 06/10/25 14:24 | SFT250610-W1-A |

### Inorganics, Prep Batch ID: TOC250611-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method  | Run Date/Time  | Batch ID     |
|-----------|----------|---------|----------------|--------------|
| S75412.01 | TOC      | SM5310C | 06/11/25 13:58 | TOC250611-W1 |
| S75412.02 | TOC      | SM5310C | 06/11/25 14:45 | TOC250611-W1 |
| S75412.03 | TOC      | SM5310C | 06/11/25 15:56 | TOC250611-W1 |
| S75412.04 | TOC      | SM5310C | 06/11/25 16:19 | TOC250611-W1 |
| S75412.05 | TOC      | SM5310C | 06/11/25 16:43 | TOC250611-W1 |
| S75412.06 | TOC      | SM5310C | 06/11/25 17:07 | TOC250611-W1 |
| S75412.07 | TOC      | SM5310C | 06/11/25 17:30 | TOC250611-W1 |
| S75412.08 | TOC      | SM5310C | 06/11/25 17:54 | TOC250611-W1 |
| S75412.09 | TOC      | SM5310C | 06/11/25 18:17 | TOC250611-W1 |
| S75412.10 | TOC      | SM5310C | 06/11/25 18:41 | TOC250611-W1 |
| S75412.11 | TOC      | SM5310C | 06/11/25 19:31 | TOC250611-W1 |

### Metals, Prep Batch ID: MTD-061325-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis             | Method | Run Date/Time  | Batch ID     |
|-----------|----------------------|--------|----------------|--------------|
| S75412.01 | Chromium, Dissolved  | E200.8 | 06/13/25 11:49 | MT4-25-0613A |
| S75412.01 | Copper, Dissolved    | E200.8 | 06/13/25 11:49 | MT4-25-0613A |
| S75412.01 | Iron, Dissolved      | E200.8 | 06/13/25 11:49 | MT4-25-0613A |
| S75412.01 | Manganese, Dissolved | E200.8 | 06/13/25 11:49 | MT4-25-0613A |
| S75412.01 | Nickel, Dissolved    | E200.8 | 06/13/25 11:49 | MT4-25-0613A |

## QC Report - Prep Batch Summary

**Metals, Prep Batch ID: MTD-061325-3 (continued)**

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis             | Method | Run Date/Time  | Batch ID     |
|-----------|----------------------|--------|----------------|--------------|
| S75412.01 | Zinc, Dissolved      | E200.8 | 06/13/25 11:49 | MT4-25-0613A |
| S75412.02 | Chromium, Dissolved  | E200.8 | 06/13/25 11:54 | MT4-25-0613A |
| S75412.02 | Copper, Dissolved    | E200.8 | 06/13/25 11:54 | MT4-25-0613A |
| S75412.02 | Iron, Dissolved      | E200.8 | 06/13/25 11:54 | MT4-25-0613A |
| S75412.02 | Manganese, Dissolved | E200.8 | 06/13/25 11:54 | MT4-25-0613A |
| S75412.02 | Nickel, Dissolved    | E200.8 | 06/13/25 11:54 | MT4-25-0613A |
| S75412.02 | Zinc, Dissolved      | E200.8 | 06/13/25 11:54 | MT4-25-0613A |
| S75412.03 | Chromium, Dissolved  | E200.8 | 06/13/25 11:55 | MT4-25-0613A |
| S75412.03 | Copper, Dissolved    | E200.8 | 06/13/25 11:55 | MT4-25-0613A |
| S75412.03 | Iron, Dissolved      | E200.8 | 06/13/25 11:55 | MT4-25-0613A |
| S75412.03 | Manganese, Dissolved | E200.8 | 06/13/25 11:55 | MT4-25-0613A |
| S75412.03 | Nickel, Dissolved    | E200.8 | 06/13/25 11:55 | MT4-25-0613A |
| S75412.03 | Zinc, Dissolved      | E200.8 | 06/13/25 11:55 | MT4-25-0613A |
| S75412.04 | Chromium, Dissolved  | E200.8 | 06/13/25 11:56 | MT4-25-0613A |
| S75412.04 | Copper, Dissolved    | E200.8 | 06/13/25 11:56 | MT4-25-0613A |
| S75412.04 | Iron, Dissolved      | E200.8 | 06/13/25 11:56 | MT4-25-0613A |
| S75412.04 | Manganese, Dissolved | E200.8 | 06/13/25 11:56 | MT4-25-0613A |
| S75412.04 | Nickel, Dissolved    | E200.8 | 06/13/25 11:56 | MT4-25-0613A |
| S75412.04 | Zinc, Dissolved      | E200.8 | 06/13/25 11:56 | MT4-25-0613A |
| S75412.05 | Chromium, Dissolved  | E200.8 | 06/13/25 11:58 | MT4-25-0613A |
| S75412.05 | Copper, Dissolved    | E200.8 | 06/13/25 11:58 | MT4-25-0613A |
| S75412.05 | Iron, Dissolved      | E200.8 | 06/13/25 11:58 | MT4-25-0613A |
| S75412.05 | Manganese, Dissolved | E200.8 | 06/13/25 11:58 | MT4-25-0613A |
| S75412.05 | Nickel, Dissolved    | E200.8 | 06/13/25 11:58 | MT4-25-0613A |
| S75412.05 | Zinc, Dissolved      | E200.8 | 06/13/25 11:58 | MT4-25-0613A |
| S75412.06 | Chromium, Dissolved  | E200.8 | 06/13/25 11:59 | MT4-25-0613A |
| S75412.06 | Copper, Dissolved    | E200.8 | 06/13/25 11:59 | MT4-25-0613A |
| S75412.06 | Iron, Dissolved      | E200.8 | 06/13/25 11:59 | MT4-25-0613A |
| S75412.06 | Manganese, Dissolved | E200.8 | 06/13/25 11:59 | MT4-25-0613A |
| S75412.06 | Nickel, Dissolved    | E200.8 | 06/13/25 11:59 | MT4-25-0613A |
| S75412.06 | Zinc, Dissolved      | E200.8 | 06/13/25 11:59 | MT4-25-0613A |
| S75412.07 | Chromium, Dissolved  | E200.8 | 06/13/25 12:01 | MT4-25-0613A |
| S75412.07 | Copper, Dissolved    | E200.8 | 06/13/25 12:01 | MT4-25-0613A |
| S75412.07 | Iron, Dissolved      | E200.8 | 06/13/25 12:01 | MT4-25-0613A |
| S75412.07 | Manganese, Dissolved | E200.8 | 06/13/25 12:01 | MT4-25-0613A |
| S75412.07 | Nickel, Dissolved    | E200.8 | 06/13/25 12:01 | MT4-25-0613A |
| S75412.07 | Zinc, Dissolved      | E200.8 | 06/13/25 12:01 | MT4-25-0613A |
| S75412.08 | Chromium, Dissolved  | E200.8 | 06/13/25 12:02 | MT4-25-0613A |
| S75412.08 | Copper, Dissolved    | E200.8 | 06/13/25 12:02 | MT4-25-0613A |
| S75412.08 | Iron, Dissolved      | E200.8 | 06/13/25 12:02 | MT4-25-0613A |
| S75412.08 | Manganese, Dissolved | E200.8 | 06/13/25 12:02 | MT4-25-0613A |
| S75412.08 | Nickel, Dissolved    | E200.8 | 06/13/25 12:02 | MT4-25-0613A |
| S75412.08 | Zinc, Dissolved      | E200.8 | 06/13/25 12:02 | MT4-25-0613A |
| S75412.09 | Chromium, Dissolved  | E200.8 | 06/13/25 12:03 | MT4-25-0613A |
| S75412.09 | Copper, Dissolved    | E200.8 | 06/13/25 12:03 | MT4-25-0613A |
| S75412.09 | Iron, Dissolved      | E200.8 | 06/13/25 12:03 | MT4-25-0613A |
| S75412.09 | Manganese, Dissolved | E200.8 | 06/13/25 12:03 | MT4-25-0613A |
| S75412.09 | Nickel, Dissolved    | E200.8 | 06/13/25 12:03 | MT4-25-0613A |
| S75412.09 | Zinc, Dissolved      | E200.8 | 06/13/25 12:03 | MT4-25-0613A |

## QC Report - Prep Batch Summary

### Metals, Prep Batch ID: MTD-061325-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis             | Method | Run Date/Time  | Batch ID     |
|-----------|----------------------|--------|----------------|--------------|
| S75412.10 | Chromium, Dissolved  | E200.8 | 06/13/25 12:13 | MT4-25-0613A |
| S75412.10 | Copper, Dissolved    | E200.8 | 06/13/25 12:13 | MT4-25-0613A |
| S75412.10 | Iron, Dissolved      | E200.8 | 06/13/25 12:13 | MT4-25-0613A |
| S75412.10 | Manganese, Dissolved | E200.8 | 06/13/25 12:13 | MT4-25-0613A |
| S75412.10 | Nickel, Dissolved    | E200.8 | 06/13/25 12:13 | MT4-25-0613A |
| S75412.10 | Zinc, Dissolved      | E200.8 | 06/13/25 12:13 | MT4-25-0613A |
| S75412.11 | Chromium, Dissolved  | E200.8 | 06/13/25 12:15 | MT4-25-0613A |
| S75412.11 | Copper, Dissolved    | E200.8 | 06/13/25 12:15 | MT4-25-0613A |
| S75412.11 | Iron, Dissolved      | E200.8 | 06/13/25 12:15 | MT4-25-0613A |
| S75412.11 | Manganese, Dissolved | E200.8 | 06/13/25 12:15 | MT4-25-0613A |
| S75412.11 | Nickel, Dissolved    | E200.8 | 06/13/25 12:15 | MT4-25-0613A |
| S75412.11 | Zinc, Dissolved      | E200.8 | 06/13/25 12:15 | MT4-25-0613A |

### Metals, Prep Batch ID: MTD-061325-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID     |
|-----------|----------|--------|----------------|--------------|
| S75412.01 | Sodium   | E200.8 | 06/13/25 14:46 | MT4-25-0613B |
| S75412.02 | Sodium   | E200.8 | 06/13/25 14:48 | MT4-25-0613B |
| S75412.03 | Sodium   | E200.8 | 06/13/25 14:49 | MT4-25-0613B |
| S75412.04 | Sodium   | E200.8 | 06/13/25 14:51 | MT4-25-0613B |
| S75412.05 | Sodium   | E200.8 | 06/13/25 14:53 | MT4-25-0613B |
| S75412.06 | Sodium   | E200.8 | 06/13/25 14:55 | MT4-25-0613B |
| S75412.07 | Sodium   | E200.8 | 06/13/25 14:57 | MT4-25-0613B |
| S75412.08 | Sodium   | E200.8 | 06/13/25 14:58 | MT4-25-0613B |
| S75412.09 | Sodium   | E200.8 | 06/13/25 15:05 | MT4-25-0613B |
| S75412.10 | Sodium   | E200.8 | 06/13/25 15:07 | MT4-25-0613B |
| S75412.11 | Sodium   | E200.8 | 06/13/25 15:08 | MT4-25-0613B |

### Organics - Volatiles, Prep Batch ID: VF250610W3

Surrogates: Yes, QC Types: BLK/LCS/LCSD

| Sample ID | Analysis                     | Method        | Run Date/Time  | Batch ID |
|-----------|------------------------------|---------------|----------------|----------|
| S75412.01 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 04:10 | 250610B7 |
| S75412.02 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 04:34 | 250610B7 |
| S75412.03 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 04:57 | 250610B7 |
| S75412.04 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 05:21 | 250610B7 |
| S75412.06 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 06:08 | 250610B7 |
| S75412.07 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 06:32 | 250610B7 |
| S75412.08 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 06:56 | 250610B7 |
| S75412.09 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 07:19 | 250610B7 |
| S75412.10 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 07:43 | 250610B7 |
| S75412.11 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 08:06 | 250610B7 |

### Organics - Volatiles, Prep Batch ID: VF250610W4

Surrogates: Yes, QC Types: BLK/LCS/LCSD

| Sample ID | Analysis                     | Method        | Run Date/Time  | Batch ID  |
|-----------|------------------------------|---------------|----------------|-----------|
| S75412.12 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 01:31 | 250610C11 |
| S75412.13 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 01:54 | 250610C11 |
| S75412.14 | Volatile Organics - DEQ List | SW5030C/8260C | 06/11/25 02:18 | 250610C11 |

## QC Report - Prep Batch Summary

### Organics - Volatiles, Prep Batch ID: VF250612W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

| Sample ID | Analysis                     | Method        | Run Date/Time  | Batch ID  |
|-----------|------------------------------|---------------|----------------|-----------|
| S75412.05 | Volatile Organics - DEQ List | SW5030C/8260C | 06/13/25 01:07 | 250612B11 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.01

Sample Tag: B-27D-20250604

Collected Date/Time: 06/04/2025 15:12

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 04:10, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 112.3 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 112.8 | 72.0 | 125.0 |
| Toluene-D8            |       | 110.5 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.02

Sample Tag: B-22D-20250605

Collected Date/Time: 06/05/2025 10:35

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 04:34, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 113.7 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 123.2 | 72.0 | 125.0 |
| Toluene-D8            |       | 111.1 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.03

Sample Tag: B-24R-20250605

Collected Date/Time: 06/05/2025 11:06

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 04:57, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 113.6 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 122.2 | 72.0 | 125.0 |
| Toluene-D8            |       | 110.6 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.04

Sample Tag: B-21D-20250605

Collected Date/Time: 06/05/2025 12:25

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 05:21, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 112.0 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 120.9 | 72.0 | 125.0 |
| Toluene-D8            |       | 110.2 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.05

Sample Tag: B-20D-20250605

Collected Date/Time: 06/05/2025 14:15

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250612B11, Run Date: 06/13/2025 01:07, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 98.2  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 103.9 | 72.0 | 125.0 |
| Toluene-D8            |       | 99.4  | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.06

Sample Tag: OBG-MW-16D-20250605

Collected Date/Time: 06/05/2025 16:15

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 06:08, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 112.1 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 119.2 | 72.0 | 125.0 |
| Toluene-D8            |       | 110.7 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.07

Sample Tag: B-19AR-20250605

Collected Date/Time: 06/05/2025 14:41

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 06:32, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 110.7 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 115.6 | 72.0 | 125.0 |
| Toluene-D8            |       | 109.1 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.08

Sample Tag: B-18A-20250606

Collected Date/Time: 06/06/2025 09:05

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 06:56, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 111.6 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 120.6 | 72.0 | 125.0 |
| Toluene-D8            |       | 110.3 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

**Lab Sample ID: S75412.09**

Sample Tag: MW-DUP-1-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 07:19, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec         | LCL  | UCL   |
|-----------------------|-------|--------------|------|-------|
| 4-Bromofluorobenzene  |       | <b>111.7</b> | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | <b>115.3</b> | 72.0 | 125.0 |
| Toluene-D8            |       | <b>110.6</b> | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.10

Sample Tag: B-7-20250606

Collected Date/Time: 06/06/2025 11:00

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 07:43, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 110.8 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 113.2 | 72.0 | 125.0 |
| Toluene-D8            |       | 110.0 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.11

Sample Tag: B-9-20250606

Collected Date/Time: 06/06/2025 12:16

Matrix: Groundwater

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610B7, Run Date: 06/11/2025 08:06, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 113.6 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 122.8 | 72.0 | 125.0 |
| Toluene-D8            |       | 111.0 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.12

Sample Tag: Trip Blank-20250606-2

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57044

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610C11, Run Date: 06/11/2025 01:31, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 96.9 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 95.7 | 72.0 | 125.0 |
| Toluene-D8            |       | 96.8 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.13

Sample Tag: Trip Blank-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57838

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610C11, Run Date: 06/11/2025 01:54, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 96.0 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 97.1 | 72.0 | 125.0 |
| Toluene-D8            |       | 95.9 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75412.14

Sample Tag: Trip Blank-20250606-3

Collected Date/Time: 06/06/2025 00:01

Matrix: Water

COC Reference: 57838

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250610C11, Run Date: 06/11/2025 02:18, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 95.9 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 83.7 | 72.0 | 125.0 |
| Toluene-D8            |       | 95.5 | 89.0 | 112.0 |

# QC Report - Surrogates per QC Sample

## Organics - Volatiles, Prep Batch ID: VF250610W3

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: 250610B7.BLKW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 02:12, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 111.7 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 113.8 | 72.0 | 125.0 |
| Toluene-D8            |       | 109.3 | 89.0 | 112.0 |

### Laboratory Control Sample (LCS)

Lab Sample ID: 250610B7.LCSW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 00:37, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 109.7 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 112.1 | 72.0 | 125.0 |
| Toluene-D8            |       | 110.7 | 89.0 | 112.0 |

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250610B7.LCSDW10B, Parent Sample ID: 250610B7.LCSW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 01:01, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 103.0 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 115.5 | 72.0 | 125.0 |
| Toluene-D8            |       | 111.2 | 89.0 | 112.0 |

# QC Report - Surrogates per QC Sample

## Organics - Volatiles, Prep Batch ID: VF250610W4

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: 250610C11.BLKW10B

Run in Batch: 250610C11, Run Date: 06/11/2025 01:07, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 96.1 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 94.9 | 72.0 | 125.0 |
| Toluene-D8            |       | 96.9 | 89.0 | 112.0 |

### Laboratory Control Sample (LCS)

Lab Sample ID: 250610C11.LCSW10B

Run in Batch: 250610C11, Run Date: 06/10/2025 23:33, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 98.7 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 91.4 | 72.0 | 125.0 |
| Toluene-D8            |       | 97.4 | 89.0 | 112.0 |

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250610C11.LCSDW10B, Parent Sample ID: 250610C11.LCSW10B

Run in Batch: 250610C11, Run Date: 06/10/2025 23:56, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec | LCL  | UCL   |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene  |       | 98.4 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 84.9 | 72.0 | 125.0 |
| Toluene-D8            |       | 96.8 | 89.0 | 112.0 |

# QC Report - Surrogates per QC Sample

## Organics - Volatiles, Prep Batch ID: VF250612W2

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: 250612B11.BLKW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 18:49, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 98.7  | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 105.8 | 72.0 | 125.0 |
| Toluene-D8            |       | 99.2  | 89.0 | 112.0 |

### Laboratory Control Sample (LCS)

Lab Sample ID: 250612B11.LCSW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 17:15, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 102.0 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 102.1 | 72.0 | 125.0 |
| Toluene-D8            |       | 100.4 | 89.0 | 112.0 |

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250612B11.LCSDW12B, Parent Sample ID: 250612B11.LCSW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 17:38, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 102.3 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 96.9  | 72.0 | 125.0 |
| Toluene-D8            |       | 99.7  | 89.0 | 112.0 |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CL250610-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: CL250610-W1-A.LRB1

Run in Batch: CL250610-W1-A, Run Date: 06/10/2025 14:06, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte  | Flags | Conc | RDL | Units |
|----------|-------|------|-----|-------|
| Chloride |       | ND   | 1.0 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: CL250610-W1-A.LCS1

Run in Batch: CL250610-W1-A, Run Date: 06/10/2025 11:23, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte  | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chloride |       | 99.0  | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: CL250610-W1-A.MS1, Parent Sample ID: S75412.01

Run in Batch: CL250610-W1-A, Run Date: 06/10/2025 13:33, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chloride |       | 103.9 | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: CL250610-W1-A.MSD1, Parent Sample ID: CL250610-W1-A.MS1

Run in Batch: CL250610-W1-A, Run Date: 06/10/2025 13:43, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chloride |       | 104.0 | 80  | 120 | 0   | 15     |

### Duplicate (DUP)

Lab Sample ID: CL250610-W1-A.DP1, Parent Sample ID: S75412.01

Run in Batch: CL250610-W1-A, Run Date: 06/10/2025 13:23, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | RPD | RPD CL |
|----------|-------|-----|--------|
| Chloride |       | NC  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CN250613-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: CN250613-W1.LRB1

Run in Batch: CN250613-W1, Run Date: 06/13/2025 16:09, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | Conc | RDL   | Units |
|----------------|-------|------|-------|-------|
| Cyanide, Total |       | ND   | 0.004 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250613-W1.LCS1

Run in Batch: CN250613-W1, Run Date: 06/13/2025 16:10, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 103   | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250613-W1.LCS2

Run in Batch: CN250613-W1, Run Date: 06/13/2025 16:11, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 97    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: CN250613-W1.MS1, Parent Sample ID: S75339.02

Run in Batch: CN250613-W1, Run Date: 06/13/2025 16:17, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total | *     | 46    | 90  | 110 |

### Duplicate (DUP)

Lab Sample ID: CN250613-W1.DP1, Parent Sample ID: S75339.02

Run in Batch: CN250613-W1, Run Date: 06/13/2025 16:16, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | RPD | RPD CL |
|----------------|-------|-----|--------|
| Cyanide, Total |       | NC  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CN250617-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: CN250617-W1.LRB1

Run in Batch: CN250617-W1, Run Date: 06/17/2025 19:07, Prep Date: 06/17/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | Conc | RDL   | Units |
|----------------|-------|------|-------|-------|
| Cyanide, Total |       | ND   | 0.004 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250617-W1.LCS1

Run in Batch: CN250617-W1, Run Date: 06/17/2025 19:07, Prep Date: 06/17/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 109   | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250617-W1.LCS2

Run in Batch: CN250617-W1, Run Date: 06/17/2025 19:08, Prep Date: 06/17/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 96    | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250617-W1.LCS3

Run in Batch: CN250617-W1, Run Date: 06/17/2025 19:09, Prep Date: 06/17/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 100   | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: CN250617-W1.MS1, Parent Sample ID: S75714.01

Run in Batch: CN250617-W1, Run Date: 06/17/2025 19:13, Prep Date: 06/17/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 95    | 90  | 110 |

### Duplicate (DUP)

Lab Sample ID: CN250617-W1.DP1, Parent Sample ID: S75714.01

Run in Batch: CN250617-W1, Run Date: 06/17/2025 19:12, Prep Date: 06/17/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | RPD | RPD CL |
|----------------|-------|-----|--------|
| Cyanide, Total |       | NC  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: COND250612-W1

Surrogates: No, QC Types: BLK/LCS/DUP

### Blank (BLK)

Lab Sample ID: COND250612-W1.LRB1

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:00, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | Conc | RDL | Units |
|--------------|-------|------|-----|-------|
| Conductivity |       | ND   | 1   | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: COND250612-W1.LCS1

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:06, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | % Rec | LCL | UCL |
|--------------|-------|-------|-----|-----|
| Conductivity |       | 98    | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: COND250612-W1.LCS2

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:08, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | % Rec | LCL | UCL |
|--------------|-------|-------|-----|-----|
| Conductivity |       | 92    | 90  | 110 |

### Duplicate (DUP)

Lab Sample ID: COND250612-W1.DP1, Parent Sample ID: S75370.01

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:12, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 6

| Analyte      | Flags | RPD | RPD CL |
|--------------|-------|-----|--------|
| Conductivity |       | 0   | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: PHL250612-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: PHL250612-W1.LRB1

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:00, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL  | Units |
|---------|-------|------|------|-------|
| Phenols |       | ND   | 0.01 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: PHL250612-W1.LCS1

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:06, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Phenols |       | 97    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: PHL250612-W1.MS1, Parent Sample ID: S75412.02

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:14, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Phenols |       | 92    | 80  | 120 |

### Duplicate (DUP)

Lab Sample ID: PHL250612-W1.DP1, Parent Sample ID: S75412.01

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:10, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1.7

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| Phenols |       | <1  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: SFT250610-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: SFT250610-W1-A.LRB1

Run in Batch: SFT250610-W1-A, Run Date: 06/10/2025 14:06, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|---------|-------|------|-----|-------|
| Sulfate |       | ND   | 1.0 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: SFT250610-W1-A.LCS1

Run in Batch: SFT250610-W1-A, Run Date: 06/10/2025 11:23, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sulfate |       | 100.0 | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: SFT250610-W1-A.MS1, Parent Sample ID: S75412.01

Run in Batch: SFT250610-W1-A, Run Date: 06/10/2025 13:33, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sulfate |       | 97.7  | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: SFT250610-W1-A.MSD1, Parent Sample ID: SFT250610-W1-A.MS1

Run in Batch: SFT250610-W1-A, Run Date: 06/10/2025 13:43, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sulfate |       | 99.2  | 80  | 120 | 1   | 15     |

### Duplicate (DUP)

Lab Sample ID: SFT250610-W1-A.DP1, Parent Sample ID: S75412.01

Run in Batch: SFT250610-W1-A, Run Date: 06/10/2025 13:23, Prep Date: 06/10/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| Sulfate |       | 0.6 | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: TOC250611-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: TOC250611-W1.LRB1

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 12:39, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|---------|-------|------|-----|-------|
| TOC     |       | ND   | 1   | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: TOC250611-W1.LCS1

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 13:32, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC     |       | 98    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: TOC250611-W1.MS1, Parent Sample ID: S75412.02

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 15:08, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC     |       | 100   | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: TOC250611-W1.MSD1, Parent Sample ID: TOC250611-W1.MS1

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 15:32, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| TOC     |       | 100   | 80  | 120 | 0   | 15     |

### Duplicate (DUP)

Lab Sample ID: TOC250611-W1.DP1, Parent Sample ID: S75412.01

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 14:21, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| TOC     |       | 9   | 15     |

## QC Report - Batch QC Results

### Metals, Prep Batch ID: MTD-061325-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

#### Blank (BLK)

Lab Sample ID: MT4-25-0613A.021.LRB

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 11:45, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte   | Flags | Conc | RDL   | Units |
|-----------|-------|------|-------|-------|
| Chromium  |       | ND   | 0.001 | mg/L  |
| Copper    |       | ND   | 0.001 | mg/L  |
| Iron      |       | ND   | 0.004 | mg/L  |
| Manganese |       | ND   | 0.001 | mg/L  |
| Nickel    |       | ND   | 0.001 | mg/L  |
| Zinc      |       | ND   | 0.001 | mg/L  |

#### Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0613A.020.LCS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 11:44, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 104   | 85  | 115 |
| Copper    |       | 104   | 85  | 115 |
| Iron      |       | 106   | 85  | 115 |
| Manganese |       | 101   | 85  | 115 |
| Nickel    |       | 103   | 85  | 115 |
| Zinc      |       | 100   | 85  | 115 |

#### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613A.033.MS, Parent Sample ID: S75412.01

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:06, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 115   | 75  | 125 |
| Copper    |       | 109   | 75  | 125 |
| Iron      |       | 104   | 75  | 125 |
| Manganese |       | 113   | 75  | 125 |
| Nickel    |       | 111   | 75  | 125 |
| Zinc      |       | 103   | 75  | 125 |

#### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613A.047.MS, Parent Sample ID: S75520.01

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:30, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 117   | 75  | 125 |
| Copper    |       | 107   | 75  | 125 |
| Iron      |       | 122   | 75  | 125 |
| Manganese |       | 111   | 75  | 125 |
| Nickel    |       | 112   | 75  | 125 |
| Zinc      |       | 110   | 75  | 125 |

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613A.034.MSD, Parent Sample ID: MT4-25-0613A.033.MS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:07, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte  | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chromium |       | 116   | 75  | 125 | 1   | 20     |
| Copper   |       | 110   | 75  | 125 | 1   | 20     |

# QC Report - Batch QC Results

## Metals, Prep Batch ID: MTD-061325-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

## Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: MT4-25-0613A.034.MSD, Parent Sample ID: MT4-25-0613A.033.MS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:07, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|-----------|-------|-------|-----|-----|-----|--------|
| Iron      |       | 124   | 75  | 125 | 4   | 20     |
| Manganese |       | 112   | 75  | 125 | 1   | 20     |
| Nickel    |       | 114   | 75  | 125 | 2   | 20     |
| Zinc      |       | 104   | 75  | 125 | 1   | 20     |

## Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613A.048.MSD, Parent Sample ID: MT4-25-0613A.047.MS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:31, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|-----------|-------|-------|-----|-----|-----|--------|
| Chromium  |       | 120   | 75  | 125 | 2   | 20     |
| Copper    |       | 115   | 75  | 125 | 3   | 20     |
| Iron      |       | 123   | 75  | 125 | 1   | 20     |
| Manganese |       | 113   | 75  | 125 | 2   | 20     |
| Nickel    |       | 115   | 75  | 125 | 2   | 20     |
| Zinc      |       | 115   | 75  | 125 | 4   | 20     |

# QC Report - Batch QC Results

## Metals, Prep Batch ID: MTD-061325-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

### Blank (BLK)

Lab Sample ID: MT4-25-0613B.015.LRB

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 14:41, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL  | Units |
|---------|-------|------|------|-------|
| Sodium  |       | ND   | 0.05 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0613B.014.LCS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 14:35, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 96    | 85  | 115 |

### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613B.035.MS, Parent Sample ID: S75412.05

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:00, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 98    | 75  | 125 |

### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613B.051.MS, Parent Sample ID: S75412.11

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:15, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 95    | 75  | 125 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613B.036.MSD, Parent Sample ID: MT4-25-0613B.035.MS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:01, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sodium  |       | 98    | 75  | 125 | 0   | 20     |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613B.052.MSD, Parent Sample ID: MT4-25-0613B.051.MS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:16, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sodium  |       | 95    | 75  | 125 | 0   | 20     |

# QC Report - Batch QC Results

**Organics - Volatiles, Prep Batch ID: VF250610W3**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: 250610B7.BLKW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 02:12, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | Conc | RDL   | Units |
|--------------------------------|-------|------|-------|-------|
| Diethyl ether                  |       | ND   | 1.00  | ug/l  |
| Acetone                        |       | ND   | 10.00 | ug/l  |
| Methyl iodide                  |       | ND   | 1.00  | ug/l  |
| Carbon disulfide               |       | ND   | 1.00  | ug/l  |
| tert-Methyl butyl ether (MTBE) |       | ND   | 1.00  | ug/l  |
| Acrylonitrile                  |       | ND   | 1.00  | ug/l  |
| 2-Butanone (MEK)               |       | ND   | 10.00 | ug/l  |
| Dichlorodifluoromethane        |       | ND   | 1.00  | ug/l  |
| Chloromethane                  |       | ND   | 1.00  | ug/l  |
| Vinyl chloride                 |       | ND   | 1.00  | ug/l  |
| Bromomethane                   |       | ND   | 1.00  | ug/l  |
| Chloroethane                   |       | ND   | 1.00  | ug/l  |
| Trichlorofluoromethane         |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethene             |       | ND   | 1.00  | ug/l  |
| Methylene chloride             |       | ND   | 1.00  | ug/l  |
| trans-1,2-Dichloroethene       |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| cis-1,2-Dichloroethene         |       | ND   | 1.00  | ug/l  |
| Tetrahydrofuran                |       | ND   | 10.00 | ug/l  |
| Chloroform                     |       | ND   | 1.00  | ug/l  |
| Bromochloromethane             |       | ND   | 1.00  | ug/l  |
| 1,1,1-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| 4-Methyl-2-pentanone (MIBK)    |       | ND   | 10.00 | ug/l  |
| 2-Hexanone                     |       | ND   | 10.00 | ug/l  |
| Carbon tetrachloride           |       | ND   | 1.00  | ug/l  |
| Benzene                        |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| Trichloroethene                |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloropropane            |       | ND   | 1.00  | ug/l  |
| Bromodichloromethane           |       | ND   | 1.00  | ug/l  |
| Dibromomethane                 |       | ND   | 1.00  | ug/l  |
| cis-1,3-Dichloropropene        |       | ND   | 1.00  | ug/l  |
| Toluene                        |       | ND   | 1.00  | ug/l  |
| trans-1,3-Dichloropropene      |       | ND   | 1.00  | ug/l  |
| 1,1,2-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| Tetrachloroethene              |       | ND   | 1.00  | ug/l  |
| trans-1,4-Dichloro-2-butene    |       | ND   | 1.00  | ug/l  |
| Dibromochloromethane           |       | ND   | 1.00  | ug/l  |
| 1,2-Dibromoethane              |       | ND   | 1.00  | ug/l  |
| Chlorobenzene                  |       | ND   | 1.00  | ug/l  |
| 1,1,1,2-Tetrachloroethane      |       | ND   | 1.00  | ug/l  |
| Ethylbenzene                   |       | ND   | 1.00  | ug/l  |
| p,m-Xylene                     |       | ND   | 2.00  | ug/l  |
| o-Xylene                       |       | ND   | 1.00  | ug/l  |
| Styrene                        |       | ND   | 1.00  | ug/l  |
| Isopropylbenzene               |       | ND   | 1.00  | ug/l  |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W3 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK) (continued)**

Lab Sample ID: 250610B7.BLKW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 02:12, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | Conc | RDL  | Units |
|-----------------------------|-------|------|------|-------|
| Bromoform                   |       | ND   | 1.00 | ug/l  |
| 1,1,2,2-Tetrachloroethane   |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichloropropane      |       | ND   | 1.00 | ug/l  |
| n-Propylbenzene             |       | ND   | 1.00 | ug/l  |
| Bromobenzene                |       | ND   | 1.00 | ug/l  |
| 1,3,5-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| tert-Butylbenzene           |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| sec-Butylbenzene            |       | ND   | 1.00 | ug/l  |
| p-Isopropyltoluene          |       | ND   | 1.00 | ug/l  |
| 1,3-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,4-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| n-Butylbenzene              |       | ND   | 1.00 | ug/l  |
| Hexachloroethane            |       | ND   | 1.00 | ug/l  |
| 1,2-Dibromo-3-chloropropane |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| Naphthalene                 |       | ND   | 1.00 | ug/l  |
| 2-Methylnaphthalene         |       | ND   | 1.00 | ug/l  |

**Laboratory Control Sample (LCS)**

Lab Sample ID: 250610B7.LCSW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 00:37, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   |
|--------------------------------|-------|-------|------|-------|
| Diethyl ether                  |       | 104.0 | 67.4 | 121.2 |
| Acetone                        |       | 98.5  | 29.9 | 161.5 |
| Methyl iodide                  |       | 103.0 | 68.8 | 116.4 |
| Carbon disulfide               |       | 96.4  | 63.8 | 137.4 |
| tert-Methyl butyl ether (MTBE) |       | 100.0 | 73.2 | 122.4 |
| Acrylonitrile                  |       | 98.1  | 69.9 | 128.9 |
| 2-Butanone (MEK)               |       | 121.1 | 44.0 | 134.4 |
| Dichlorodifluoromethane        |       | 88.3  | 10.0 | 222.8 |
| Chloromethane                  |       | 105.7 | 23.8 | 166.5 |
| Vinyl chloride                 |       | 105.1 | 43.5 | 149.1 |
| Bromomethane                   |       | 120.8 | 56.8 | 151.3 |
| Chloroethane                   |       | 120.0 | 53.4 | 149.4 |
| Trichlorofluoromethane         |       | 104.4 | 59.7 | 151.8 |
| 1,1-Dichloroethene             |       | 96.7  | 69.6 | 139.4 |
| Methylene chloride             |       | 96.4  | 73.3 | 121.1 |
| trans-1,2-Dichloroethene       |       | 95.4  | 73.6 | 129.3 |
| 1,1-Dichloroethane             |       | 104.0 | 71.5 | 126.2 |
| cis-1,2-Dichloroethene         |       | 116.8 | 76.6 | 122.1 |
| Tetrahydrofuran                |       | 110.2 | 59.0 | 117.9 |
| Chloroform                     |       | 116.0 | 78.4 | 124.0 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W3 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250610B7.LCSW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 00:37, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   |
|-----------------------------|-------|-------|------|-------|
| Bromochloromethane          |       | 118.4 | 78.2 | 120.8 |
| 1,1,1-Trichloroethane       |       | 112.2 | 79.4 | 130.9 |
| 4-Methyl-2-pentanone (MIBK) |       | 121.2 | 71.6 | 125.2 |
| 2-Hexanone                  |       | 120.0 | 55.4 | 136.9 |
| Carbon tetrachloride        |       | 109.2 | 72.6 | 133.0 |
| Benzene                     |       | 117.0 | 79.9 | 124.9 |
| 1,2-Dichloroethane          |       | 113.2 | 76.0 | 126.3 |
| Trichloroethene             |       | 116.0 | 79.7 | 124.2 |
| 1,2-Dichloropropane         |       | 118.9 | 78.6 | 126.4 |
| Bromodichloromethane        |       | 117.4 | 80.4 | 128.2 |
| Dibromomethane              |       | 118.4 | 76.9 | 122.1 |
| cis-1,3-Dichloropropene     |       | 118.1 | 79.8 | 129.9 |
| Toluene                     |       | 116.5 | 79.8 | 124.5 |
| trans-1,3-Dichloropropene   |       | 116.6 | 74.0 | 131.3 |
| 1,1,2-Trichloroethane       |       | 120.7 | 78.7 | 123.1 |
| Tetrachloroethene           |       | 113.9 | 74.5 | 124.5 |
| trans-1,4-Dichloro-2-butene |       | 115.8 | 68.6 | 135.4 |
| Dibromochloromethane        |       | 117.3 | 74.6 | 127.2 |
| 1,2-Dibromoethane           |       | 119.0 | 70.3 | 133.7 |
| Chlorobenzene               |       | 118.9 | 79.2 | 122.7 |
| 1,1,1,2-Tetrachloroethane   |       | 118.8 | 80.3 | 128.2 |
| Ethylbenzene                |       | 118.2 | 79.5 | 129.1 |
| p,m-Xylene                  |       | 117.7 | 79.4 | 132.2 |
| o-Xylene                    |       | 120.4 | 80.2 | 131.0 |
| Styrene                     |       | 123.5 | 69.5 | 126.7 |
| Isopropylbenzene            |       | 120.9 | 74.4 | 121.5 |
| Bromoform                   |       | 115.9 | 69.4 | 128.0 |
| 1,1,2,2-Tetrachloroethane   |       | 121.7 | 79.8 | 126.3 |
| 1,2,3-Trichloropropane      |       | 121.9 | 78.3 | 138.8 |
| n-Propylbenzene             |       | 125.7 | 82.0 | 130.7 |
| Bromobenzene                |       | 121.5 | 78.7 | 124.6 |
| 1,3,5-Trimethylbenzene      |       | 123.1 | 81.3 | 128.9 |
| tert-Butylbenzene           |       | 121.9 | 80.7 | 128.9 |
| 1,2,4-Trimethylbenzene      |       | 122.8 | 81.4 | 130.8 |
| sec-Butylbenzene            |       | 121.5 | 77.4 | 129.8 |
| p-Isopropyltoluene          |       | 117.9 | 79.8 | 137.5 |
| 1,3-Dichlorobenzene         |       | 121.6 | 77.0 | 131.3 |
| 1,4-Dichlorobenzene         |       | 122.0 | 20.7 | 137.7 |
| 1,2-Dichlorobenzene         |       | 123.1 | 10.0 | 166.2 |
| 1,2,3-Trimethylbenzene      |       | 122.4 | 76.3 | 124.2 |
| n-Butylbenzene              |       | 120.9 | 80.0 | 133.3 |
| Hexachloroethane            |       | 117.5 | 23.8 | 138.1 |
| 1,2-Dibromo-3-chloropropane |       | 120.4 | 21.2 | 189.4 |
| 1,2,4-Trichlorobenzene      |       | 114.7 | 27.4 | 143.4 |
| 1,2,3-Trichlorobenzene      |       | 106.0 | 75.4 | 131.4 |
| Naphthalene                 |       | 117.3 | 32.9 | 135.8 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W3 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250610B7.LCSW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 00:37, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte             | Flags | % Rec | LCL  | UCL   |
|---------------------|-------|-------|------|-------|
| 2-Methylnaphthalene |       | 98.2  | 25.5 | 165.5 |

**Laboratory Control Sample Duplicate (LCSD)**

Lab Sample ID: 250610B7.LCSDW10B, Parent Sample ID: 250610B7.LCSW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 01:01, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|--------------------------------|-------|-------|------|-------|------|--------|
| Diethyl ether                  |       | 120.6 | 67.4 | 121.2 | 14.8 | 30.0   |
| Acetone                        |       | 116.0 | 29.9 | 161.5 | 16.3 | 30.0   |
| Methyl iodide                  |       | 116.0 | 68.8 | 116.4 | 11.9 | 30.0   |
| Carbon disulfide               |       | 110.1 | 63.8 | 137.4 | 13.2 | 30.0   |
| tert-Methyl butyl ether (MTBE) |       | 96.9  | 73.2 | 122.4 | 3.1  | 30.0   |
| Acrylonitrile                  |       | 94.8  | 69.9 | 128.9 | 3.4  | 30.0   |
| 2-Butanone (MEK)               |       | 116.2 | 44.0 | 134.4 | 4.1  | 30.0   |
| Dichlorodifluoromethane        |       | 95.9  | 10.0 | 222.8 | 8.3  | 30.0   |
| Chloromethane                  |       | 119.7 | 23.8 | 166.5 | 12.5 | 30.0   |
| Vinyl chloride                 |       | 115.0 | 43.5 | 149.1 | 9.0  | 30.0   |
| Bromomethane                   |       | 117.1 | 56.8 | 151.3 | 3.0  | 30.0   |
| Chloroethane                   |       | 113.4 | 53.4 | 149.4 | 5.6  | 30.0   |
| Trichlorofluoromethane         |       | 104.4 | 59.7 | 151.8 | 0.0  | 30.0   |
| 1,1-Dichloroethene             |       | 110.3 | 69.6 | 139.4 | 13.1 | 30.0   |
| Methylene chloride             |       | 97.0  | 73.3 | 121.1 | 0.6  | 30.0   |
| trans-1,2-Dichloroethene       |       | 90.4  | 73.6 | 129.3 | 5.3  | 30.0   |
| 1,1-Dichloroethane             |       | 95.3  | 71.5 | 126.2 | 8.7  | 30.0   |
| cis-1,2-Dichloroethene         |       | 110.3 | 76.6 | 122.1 | 5.7  | 30.0   |
| Tetrahydrofuran                |       | 113.9 | 59.0 | 117.9 | 3.2  | 30.0   |
| Chloroform                     |       | 115.6 | 78.4 | 124.0 | 0.3  | 30.0   |
| Bromochloromethane             |       | 118.6 | 78.2 | 120.8 | 0.1  | 30.0   |
| 1,1,1-Trichloroethane          |       | 111.5 | 79.4 | 130.9 | 0.7  | 30.0   |
| 4-Methyl-2-pentanone (MIBK)    |       | 122.1 | 71.6 | 125.2 | 0.7  | 30.0   |
| 2-Hexanone                     |       | 123.3 | 55.4 | 136.9 | 2.8  | 30.0   |
| Carbon tetrachloride           |       | 107.8 | 72.6 | 133.0 | 1.4  | 30.0   |
| Benzene                        |       | 114.6 | 79.9 | 124.9 | 2.0  | 30.0   |
| 1,2-Dichloroethane             |       | 112.1 | 76.0 | 126.3 | 0.9  | 30.0   |
| Trichloroethene                |       | 115.0 | 79.7 | 124.2 | 0.9  | 30.0   |
| 1,2-Dichloropropane            |       | 118.6 | 78.6 | 126.4 | 0.2  | 30.0   |
| Bromodichloromethane           |       | 116.5 | 80.4 | 128.2 | 0.8  | 30.0   |
| Dibromomethane                 |       | 117.8 | 76.9 | 122.1 | 0.6  | 30.0   |
| cis-1,3-Dichloropropene        |       | 117.7 | 79.8 | 129.9 | 0.3  | 30.0   |
| Toluene                        |       | 115.1 | 79.8 | 124.5 | 1.2  | 30.0   |
| trans-1,3-Dichloropropene      |       | 117.2 | 74.0 | 131.3 | 0.5  | 30.0   |
| 1,1,2-Trichloroethane          |       | 120.3 | 78.7 | 123.1 | 0.3  | 30.0   |
| Tetrachloroethene              |       | 110.9 | 74.5 | 124.5 | 2.7  | 30.0   |
| trans-1,4-Dichloro-2-butene    |       | 98.8  | 68.6 | 135.4 | 15.8 | 30.0   |
| Dibromochloromethane           |       | 117.3 | 74.6 | 127.2 | 0.0  | 30.0   |
| 1,2-Dibromoethane              |       | 117.6 | 70.3 | 133.7 | 1.2  | 30.0   |
| Chlorobenzene                  |       | 116.0 | 79.2 | 122.7 | 2.5  | 30.0   |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W3 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample Duplicate (LCSD) (continued)**

Lab Sample ID: 250610B7.LCSDW10B, Parent Sample ID: 250610B7.LCSW10B

Run in Batch: 250610B7, Run Date: 06/11/2025 01:01, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|-----------------------------|-------|-------|------|-------|------|--------|
| 1,1,1,2-Tetrachloroethane   |       | 117.1 | 80.3 | 128.2 | 1.5  | 30.0   |
| Ethylbenzene                |       | 115.4 | 79.5 | 129.1 | 2.4  | 30.0   |
| p,m-Xylene                  |       | 115.1 | 79.4 | 132.2 | 2.3  | 30.0   |
| o-Xylene                    |       | 113.8 | 80.2 | 131.0 | 5.7  | 30.0   |
| Styrene                     |       | 114.9 | 69.5 | 126.7 | 7.2  | 30.0   |
| Isopropylbenzene            |       | 109.9 | 74.4 | 121.5 | 9.5  | 30.0   |
| Bromoform                   |       | 107.3 | 69.4 | 128.0 | 7.7  | 30.0   |
| 1,1,2,2-Tetrachloroethane   |       | 110.5 | 79.8 | 126.3 | 9.7  | 30.0   |
| 1,2,3-Trichloropropane      |       | 104.2 | 78.3 | 138.8 | 15.7 | 30.0   |
| n-Propylbenzene             |       | 93.1  | 82.0 | 130.7 | 29.8 | 30.0   |
| Bromobenzene                |       | 103.6 | 78.7 | 124.6 | 15.9 | 30.0   |
| 1,3,5-Trimethylbenzene      |       | 96.7  | 81.3 | 128.9 | 24.0 | 30.0   |
| tert-Butylbenzene           |       | 94.6  | 80.7 | 128.9 | 25.3 | 30.0   |
| 1,2,4-Trimethylbenzene      |       | 95.9  | 81.4 | 130.8 | 24.6 | 30.0   |
| sec-Butylbenzene            |       | 115.6 | 77.4 | 129.8 | 5.0  | 30.0   |
| p-Isopropyltoluene          |       | 114.6 | 79.8 | 137.5 | 2.9  | 30.0   |
| 1,3-Dichlorobenzene         |       | 119.0 | 77.0 | 131.3 | 2.2  | 30.0   |
| 1,4-Dichlorobenzene         |       | 119.5 | 20.7 | 137.7 | 2.1  | 30.0   |
| 1,2-Dichlorobenzene         |       | 121.5 | 10.0 | 166.2 | 1.3  | 30.0   |
| 1,2,3-Trimethylbenzene      |       | 119.6 | 76.3 | 124.2 | 2.3  | 30.0   |
| n-Butylbenzene              |       | 116.4 | 80.0 | 133.3 | 3.9  | 30.0   |
| Hexachloroethane            |       | 120.6 | 23.8 | 138.1 | 2.5  | 30.0   |
| 1,2-Dibromo-3-chloropropane |       | 131.0 | 21.2 | 189.4 | 8.4  | 30.0   |
| 1,2,4-Trichlorobenzene      | *     | 146.6 | 27.4 | 143.4 | 24.4 | 30.0   |
| 1,2,3-Trichlorobenzene      | *     | 149.0 | 75.4 | 131.4 | 33.8 | 30.0   |
| Naphthalene                 | *     | 150.4 | 32.9 | 135.8 | 24.8 | 30.0   |
| 2-Methylnaphthalene         | *     | 140.4 | 25.5 | 165.5 | 35.4 | 30.0   |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W4**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: 250610C11.BLKW10B

Run in Batch: 250610C11, Run Date: 06/11/2025 01:07, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | Conc | RDL   | Units |
|--------------------------------|-------|------|-------|-------|
| Diethyl ether                  |       | ND   | 1.00  | ug/l  |
| Acetone                        |       | ND   | 10.00 | ug/l  |
| Methyl iodide                  |       | ND   | 1.00  | ug/l  |
| Carbon disulfide               |       | ND   | 1.00  | ug/l  |
| tert-Methyl butyl ether (MTBE) |       | ND   | 1.00  | ug/l  |
| Acrylonitrile                  |       | ND   | 1.00  | ug/l  |
| 2-Butanone (MEK)               |       | ND   | 10.00 | ug/l  |
| Dichlorodifluoromethane        |       | ND   | 1.00  | ug/l  |
| Chloromethane                  |       | ND   | 1.00  | ug/l  |
| Vinyl chloride                 |       | ND   | 1.00  | ug/l  |
| Bromomethane                   |       | ND   | 1.00  | ug/l  |
| Chloroethane                   |       | ND   | 1.00  | ug/l  |
| Trichlorofluoromethane         |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethene             |       | ND   | 1.00  | ug/l  |
| Methylene chloride             |       | ND   | 1.00  | ug/l  |
| trans-1,2-Dichloroethene       |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| cis-1,2-Dichloroethene         |       | ND   | 1.00  | ug/l  |
| Tetrahydrofuran                |       | ND   | 10.00 | ug/l  |
| Chloroform                     |       | ND   | 1.00  | ug/l  |
| Bromochloromethane             |       | ND   | 1.00  | ug/l  |
| 1,1,1-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| 4-Methyl-2-pentanone (MIBK)    |       | ND   | 10.00 | ug/l  |
| 2-Hexanone                     |       | ND   | 10.00 | ug/l  |
| Carbon tetrachloride           |       | ND   | 1.00  | ug/l  |
| Benzene                        |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| Trichloroethene                |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloropropane            |       | ND   | 1.00  | ug/l  |
| Bromodichloromethane           |       | ND   | 1.00  | ug/l  |
| Dibromomethane                 |       | ND   | 1.00  | ug/l  |
| cis-1,3-Dichloropropene        |       | ND   | 1.00  | ug/l  |
| Toluene                        |       | ND   | 1.00  | ug/l  |
| trans-1,3-Dichloropropene      |       | ND   | 1.00  | ug/l  |
| 1,1,2-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| Tetrachloroethene              |       | ND   | 1.00  | ug/l  |
| trans-1,4-Dichloro-2-butene    |       | ND   | 1.00  | ug/l  |
| Dibromochloromethane           |       | ND   | 1.00  | ug/l  |
| 1,2-Dibromoethane              |       | ND   | 1.00  | ug/l  |
| Chlorobenzene                  |       | ND   | 1.00  | ug/l  |
| 1,1,1,2-Tetrachloroethane      |       | ND   | 1.00  | ug/l  |
| Ethylbenzene                   |       | ND   | 1.00  | ug/l  |
| p,m-Xylene                     |       | ND   | 2.00  | ug/l  |
| o-Xylene                       |       | ND   | 1.00  | ug/l  |
| Styrene                        |       | ND   | 1.00  | ug/l  |
| Isopropylbenzene               |       | ND   | 1.00  | ug/l  |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W4 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK) (continued)**

Lab Sample ID: 250610C11.BLKW10B

Run in Batch: 250610C11, Run Date: 06/11/2025 01:07, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | Conc | RDL  | Units |
|-----------------------------|-------|------|------|-------|
| Bromoform                   |       | ND   | 1.00 | ug/l  |
| 1,1,2,2-Tetrachloroethane   |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichloropropane      |       | ND   | 1.00 | ug/l  |
| n-Propylbenzene             |       | ND   | 1.00 | ug/l  |
| Bromobenzene                |       | ND   | 1.00 | ug/l  |
| 1,3,5-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| tert-Butylbenzene           |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| sec-Butylbenzene            |       | ND   | 1.00 | ug/l  |
| p-Isopropyltoluene          |       | ND   | 1.00 | ug/l  |
| 1,3-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,4-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| n-Butylbenzene              |       | ND   | 1.00 | ug/l  |
| Hexachloroethane            |       | ND   | 1.00 | ug/l  |
| 1,2-Dibromo-3-chloropropane |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| Naphthalene                 |       | ND   | 1.00 | ug/l  |
| 2-Methylnaphthalene         |       | ND   | 1.00 | ug/l  |

**Laboratory Control Sample (LCS)**

Lab Sample ID: 250610C11.LCSW10B

Run in Batch: 250610C11, Run Date: 06/10/2025 23:33, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   |
|--------------------------------|-------|-------|------|-------|
| Diethyl ether                  |       | 110.2 | 67.4 | 121.2 |
| Acetone                        |       | 97.1  | 29.9 | 161.5 |
| Methyl iodide                  |       | 114.6 | 68.8 | 116.4 |
| Carbon disulfide               |       | 101.6 | 63.8 | 137.4 |
| tert-Methyl butyl ether (MTBE) |       | 105.3 | 73.2 | 122.4 |
| Acrylonitrile                  |       | 102.3 | 69.9 | 128.9 |
| 2-Butanone (MEK)               |       | 96.5  | 44.0 | 134.4 |
| Dichlorodifluoromethane        |       | 90.2  | 10.0 | 222.8 |
| Chloromethane                  |       | 100.5 | 23.8 | 166.5 |
| Vinyl chloride                 |       | 78.5  | 43.5 | 149.1 |
| Bromomethane                   |       | 83.2  | 56.8 | 151.3 |
| Chloroethane                   | *     | 49.7  | 53.4 | 149.4 |
| Trichlorofluoromethane         |       | 85.1  | 59.7 | 151.8 |
| 1,1-Dichloroethene             |       | 96.6  | 69.6 | 139.4 |
| Methylene chloride             |       | 107.7 | 73.3 | 121.1 |
| trans-1,2-Dichloroethene       |       | 100.7 | 73.6 | 129.3 |
| 1,1-Dichloroethane             |       | 105.7 | 71.5 | 126.2 |
| cis-1,2-Dichloroethene         |       | 108.8 | 76.6 | 122.1 |
| Tetrahydrofuran                |       | 101.0 | 59.0 | 117.9 |
| Chloroform                     |       | 105.7 | 78.4 | 124.0 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W4 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250610C11.LCSW10B

Run in Batch: 250610C11, Run Date: 06/10/2025 23:33, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   |
|-----------------------------|-------|-------|------|-------|
| Bromochloromethane          |       | 111.3 | 78.2 | 120.8 |
| 1,1,1-Trichloroethane       |       | 100.7 | 79.4 | 130.9 |
| 4-Methyl-2-pentanone (MIBK) |       | 97.4  | 71.6 | 125.2 |
| 2-Hexanone                  |       | 97.8  | 55.4 | 136.9 |
| Carbon tetrachloride        |       | 95.2  | 72.6 | 133.0 |
| Benzene                     |       | 105.5 | 79.9 | 124.9 |
| 1,2-Dichloroethane          |       | 96.0  | 76.0 | 126.3 |
| Trichloroethene             |       | 102.8 | 79.7 | 124.2 |
| 1,2-Dichloropropane         |       | 106.3 | 78.6 | 126.4 |
| Bromodichloromethane        |       | 102.9 | 80.4 | 128.2 |
| Dibromomethane              |       | 104.1 | 76.9 | 122.1 |
| cis-1,3-Dichloropropene     |       | 103.9 | 79.8 | 129.9 |
| Toluene                     |       | 104.6 | 79.8 | 124.5 |
| trans-1,3-Dichloropropene   |       | 100.9 | 74.0 | 131.3 |
| 1,1,2-Trichloroethane       |       | 104.0 | 78.7 | 123.1 |
| Tetrachloroethene           |       | 100.0 | 74.5 | 124.5 |
| trans-1,4-Dichloro-2-butene |       | 84.4  | 68.6 | 135.4 |
| Dibromochloromethane        |       | 104.2 | 74.6 | 127.2 |
| 1,2-Dibromoethane           |       | 105.2 | 70.3 | 133.7 |
| Chlorobenzene               |       | 106.4 | 79.2 | 122.7 |
| 1,1,1,2-Tetrachloroethane   |       | 107.0 | 80.3 | 128.2 |
| Ethylbenzene                |       | 106.3 | 79.5 | 129.1 |
| p,m-Xylene                  |       | 107.9 | 79.4 | 132.2 |
| o-Xylene                    |       | 107.0 | 80.2 | 131.0 |
| Styrene                     |       | 110.3 | 69.5 | 126.7 |
| Isopropylbenzene            |       | 106.1 | 74.4 | 121.5 |
| Bromoform                   |       | 101.7 | 69.4 | 128.0 |
| 1,1,2,2-Tetrachloroethane   |       | 103.3 | 79.8 | 126.3 |
| 1,2,3-Trichloropropane      |       | 102.0 | 78.3 | 138.8 |
| n-Propylbenzene             |       | 102.1 | 82.0 | 130.7 |
| Bromobenzene                |       | 106.8 | 78.7 | 124.6 |
| 1,3,5-Trimethylbenzene      |       | 107.3 | 81.3 | 128.9 |
| tert-Butylbenzene           |       | 103.9 | 80.7 | 128.9 |
| 1,2,4-Trimethylbenzene      |       | 110.5 | 81.4 | 130.8 |
| sec-Butylbenzene            |       | 103.7 | 77.4 | 129.8 |
| p-Isopropyltoluene          |       | 105.4 | 79.8 | 137.5 |
| 1,3-Dichlorobenzene         |       | 104.3 | 77.0 | 131.3 |
| 1,4-Dichlorobenzene         |       | 103.8 | 20.7 | 137.7 |
| 1,2-Dichlorobenzene         |       | 104.6 | 10.0 | 166.2 |
| 1,2,3-Trimethylbenzene      |       | 104.3 | 76.3 | 124.2 |
| n-Butylbenzene              |       | 99.4  | 80.0 | 133.3 |
| Hexachloroethane            |       | 105.0 | 23.8 | 138.1 |
| 1,2-Dibromo-3-chloropropane |       | 101.6 | 21.2 | 189.4 |
| 1,2,4-Trichlorobenzene      |       | 100.9 | 27.4 | 143.4 |
| 1,2,3-Trichlorobenzene      |       | 100.5 | 75.4 | 131.4 |
| Naphthalene                 |       | 97.8  | 32.9 | 135.8 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250610W4 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250610C11.LCSW10B

Run in Batch: 250610C11, Run Date: 06/10/2025 23:33, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte             | Flags | % Rec | LCL  | UCL   |
|---------------------|-------|-------|------|-------|
| 2-Methylnaphthalene |       | 94.0  | 25.5 | 165.5 |

**Laboratory Control Sample Duplicate (LCSD)**

Lab Sample ID: 250610C11.LCSDW10B, Parent Sample ID: 250610C11.LCSW10B

Run in Batch: 250610C11, Run Date: 06/10/2025 23:56, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|--------------------------------|-------|-------|------|-------|------|--------|
| Diethyl ether                  |       | 108.3 | 67.4 | 121.2 | 1.8  | 30.0   |
| Acetone                        |       | 94.5  | 29.9 | 161.5 | 2.7  | 30.0   |
| Methyl iodide                  |       | 109.8 | 68.8 | 116.4 | 4.3  | 30.0   |
| Carbon disulfide               |       | 103.7 | 63.8 | 137.4 | 2.0  | 30.0   |
| tert-Methyl butyl ether (MTBE) |       | 106.1 | 73.2 | 122.4 | 0.8  | 30.0   |
| Acrylonitrile                  |       | 104.9 | 69.9 | 128.9 | 2.5  | 30.0   |
| 2-Butanone (MEK)               |       | 98.1  | 44.0 | 134.4 | 1.6  | 30.0   |
| Dichlorodifluoromethane        |       | 91.3  | 10.0 | 222.8 | 1.3  | 30.0   |
| Chloromethane                  |       | 101.3 | 23.8 | 166.5 | 0.8  | 30.0   |
| Vinyl chloride                 |       | 84.6  | 43.5 | 149.1 | 7.4  | 30.0   |
| Bromomethane                   |       | 88.9  | 56.8 | 151.3 | 6.7  | 30.0   |
| Chloroethane                   | *     | 81.7  | 53.4 | 149.4 | 48.8 | 30.0   |
| Trichlorofluoromethane         |       | 84.9  | 59.7 | 151.8 | 0.3  | 30.0   |
| 1,1-Dichloroethene             |       | 96.6  | 69.6 | 139.4 | 0.0  | 30.0   |
| Methylene chloride             |       | 108.9 | 73.3 | 121.1 | 1.1  | 30.0   |
| trans-1,2-Dichloroethene       |       | 101.7 | 73.6 | 129.3 | 1.0  | 30.0   |
| 1,1-Dichloroethane             |       | 105.9 | 71.5 | 126.2 | 0.2  | 30.0   |
| cis-1,2-Dichloroethene         |       | 110.2 | 76.6 | 122.1 | 1.3  | 30.0   |
| Tetrahydrofuran                |       | 105.1 | 59.0 | 117.9 | 4.0  | 30.0   |
| Chloroform                     |       | 105.8 | 78.4 | 124.0 | 0.1  | 30.0   |
| Bromochloromethane             |       | 113.4 | 78.2 | 120.8 | 1.8  | 30.0   |
| 1,1,1-Trichloroethane          |       | 101.7 | 79.4 | 130.9 | 1.0  | 30.0   |
| 4-Methyl-2-pentanone (MIBK)    |       | 99.7  | 71.6 | 125.2 | 2.3  | 30.0   |
| 2-Hexanone                     |       | 102.5 | 55.4 | 136.9 | 4.8  | 30.0   |
| Carbon tetrachloride           |       | 97.7  | 72.6 | 133.0 | 2.6  | 30.0   |
| Benzene                        |       | 108.2 | 79.9 | 124.9 | 2.5  | 30.0   |
| 1,2-Dichloroethane             |       | 98.5  | 76.0 | 126.3 | 2.5  | 30.0   |
| Trichloroethene                |       | 104.9 | 79.7 | 124.2 | 2.1  | 30.0   |
| 1,2-Dichloropropane            |       | 107.0 | 78.6 | 126.4 | 0.6  | 30.0   |
| Bromodichloromethane           |       | 105.3 | 80.4 | 128.2 | 2.3  | 30.0   |
| Dibromomethane                 |       | 106.7 | 76.9 | 122.1 | 2.5  | 30.0   |
| cis-1,3-Dichloropropene        |       | 106.7 | 79.8 | 129.9 | 2.7  | 30.0   |
| Toluene                        |       | 107.0 | 79.8 | 124.5 | 2.3  | 30.0   |
| trans-1,3-Dichloropropene      |       | 104.4 | 74.0 | 131.3 | 3.4  | 30.0   |
| 1,1,2-Trichloroethane          |       | 106.3 | 78.7 | 123.1 | 2.2  | 30.0   |
| Tetrachloroethene              |       | 101.8 | 74.5 | 124.5 | 1.9  | 30.0   |
| trans-1,4-Dichloro-2-butene    |       | 90.7  | 68.6 | 135.4 | 7.3  | 30.0   |
| Dibromochloromethane           |       | 108.5 | 74.6 | 127.2 | 4.0  | 30.0   |
| 1,2-Dibromoethane              |       | 109.3 | 70.3 | 133.7 | 3.8  | 30.0   |
| Chlorobenzene                  |       | 110.0 | 79.2 | 122.7 | 3.3  | 30.0   |

## QC Report - Batch QC Results

### Organics - Volatiles, Prep Batch ID: VF250610W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

### Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250610C11.LCSDW10B, Parent Sample ID: 250610C11.LCSW10B

Run in Batch: 250610C11, Run Date: 06/10/2025 23:56, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|-----------------------------|-------|-------|------|-------|------|--------|
| 1,1,1,2-Tetrachloroethane   |       | 110.7 | 80.3 | 128.2 | 3.5  | 30.0   |
| Ethylbenzene                |       | 110.0 | 79.5 | 129.1 | 3.4  | 30.0   |
| p,m-Xylene                  |       | 111.7 | 79.4 | 132.2 | 3.4  | 30.0   |
| o-Xylene                    |       | 110.7 | 80.2 | 131.0 | 3.4  | 30.0   |
| Styrene                     |       | 112.9 | 69.5 | 126.7 | 2.3  | 30.0   |
| Isopropylbenzene            |       | 110.4 | 74.4 | 121.5 | 4.0  | 30.0   |
| Bromoform                   |       | 106.5 | 69.4 | 128.0 | 4.6  | 30.0   |
| 1,1,2,2-Tetrachloroethane   |       | 108.7 | 79.8 | 126.3 | 5.1  | 30.0   |
| 1,2,3-Trichloropropane      |       | 109.5 | 78.3 | 138.8 | 7.1  | 30.0   |
| n-Propylbenzene             |       | 105.1 | 82.0 | 130.7 | 2.9  | 30.0   |
| Bromobenzene                |       | 111.3 | 78.7 | 124.6 | 4.1  | 30.0   |
| 1,3,5-Trimethylbenzene      |       | 111.4 | 81.3 | 128.9 | 3.8  | 30.0   |
| tert-Butylbenzene           |       | 107.7 | 80.7 | 128.9 | 3.6  | 30.0   |
| 1,2,4-Trimethylbenzene      |       | 114.1 | 81.4 | 130.8 | 3.2  | 30.0   |
| sec-Butylbenzene            |       | 109.1 | 77.4 | 129.8 | 5.1  | 30.0   |
| p-Isopropyltoluene          |       | 111.6 | 79.8 | 137.5 | 5.7  | 30.0   |
| 1,3-Dichlorobenzene         |       | 110.6 | 77.0 | 131.3 | 5.9  | 30.0   |
| 1,4-Dichlorobenzene         |       | 110.0 | 20.7 | 137.7 | 5.8  | 30.0   |
| 1,2-Dichlorobenzene         |       | 110.8 | 10.0 | 166.2 | 5.7  | 30.0   |
| 1,2,3-Trimethylbenzene      |       | 110.7 | 76.3 | 124.2 | 5.9  | 30.0   |
| n-Butylbenzene              |       | 105.4 | 80.0 | 133.3 | 5.9  | 30.0   |
| Hexachloroethane            |       | 110.8 | 23.8 | 138.1 | 5.4  | 30.0   |
| 1,2-Dibromo-3-chloropropane |       | 108.1 | 21.2 | 189.4 | 6.2  | 30.0   |
| 1,2,4-Trichlorobenzene      |       | 106.4 | 27.4 | 143.4 | 5.3  | 30.0   |
| 1,2,3-Trichlorobenzene      |       | 106.2 | 75.4 | 131.4 | 5.5  | 30.0   |
| Naphthalene                 |       | 106.0 | 32.9 | 135.8 | 8.0  | 30.0   |
| 2-Methylnaphthalene         |       | 104.0 | 25.5 | 165.5 | 10.1 | 30.0   |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250612W2**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: 250612B11.BLKW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 18:49, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | Conc | RDL   | Units |
|--------------------------------|-------|------|-------|-------|
| Diethyl ether                  |       | ND   | 1.00  | ug/l  |
| Acetone                        |       | ND   | 10.00 | ug/l  |
| Methyl iodide                  |       | ND   | 1.00  | ug/l  |
| Carbon disulfide               |       | ND   | 1.00  | ug/l  |
| tert-Methyl butyl ether (MTBE) |       | ND   | 1.00  | ug/l  |
| Acrylonitrile                  |       | ND   | 1.00  | ug/l  |
| 2-Butanone (MEK)               |       | ND   | 10.00 | ug/l  |
| Dichlorodifluoromethane        |       | ND   | 1.00  | ug/l  |
| Chloromethane                  |       | ND   | 1.00  | ug/l  |
| Vinyl chloride                 |       | ND   | 1.00  | ug/l  |
| Bromomethane                   |       | ND   | 1.00  | ug/l  |
| Chloroethane                   |       | ND   | 1.00  | ug/l  |
| Trichlorofluoromethane         |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethene             |       | ND   | 1.00  | ug/l  |
| Methylene chloride             |       | ND   | 1.00  | ug/l  |
| trans-1,2-Dichloroethene       |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| cis-1,2-Dichloroethene         |       | ND   | 1.00  | ug/l  |
| Tetrahydrofuran                |       | ND   | 10.00 | ug/l  |
| Chloroform                     |       | ND   | 1.00  | ug/l  |
| Bromochloromethane             |       | ND   | 1.00  | ug/l  |
| 1,1,1-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| 4-Methyl-2-pentanone (MIBK)    |       | ND   | 10.00 | ug/l  |
| 2-Hexanone                     |       | ND   | 10.00 | ug/l  |
| Carbon tetrachloride           |       | ND   | 1.00  | ug/l  |
| Benzene                        |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| Trichloroethene                |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloropropane            |       | ND   | 1.00  | ug/l  |
| Bromodichloromethane           |       | ND   | 1.00  | ug/l  |
| Dibromomethane                 |       | ND   | 1.00  | ug/l  |
| cis-1,3-Dichloropropene        |       | ND   | 1.00  | ug/l  |
| Toluene                        |       | ND   | 1.00  | ug/l  |
| trans-1,3-Dichloropropene      |       | ND   | 1.00  | ug/l  |
| 1,1,2-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| Tetrachloroethene              |       | ND   | 1.00  | ug/l  |
| trans-1,4-Dichloro-2-butene    |       | ND   | 1.00  | ug/l  |
| Dibromochloromethane           |       | ND   | 1.00  | ug/l  |
| 1,2-Dibromoethane              |       | ND   | 1.00  | ug/l  |
| Chlorobenzene                  |       | ND   | 1.00  | ug/l  |
| 1,1,1,2-Tetrachloroethane      |       | ND   | 1.00  | ug/l  |
| Ethylbenzene                   |       | ND   | 1.00  | ug/l  |
| p,m-Xylene                     |       | ND   | 2.00  | ug/l  |
| o-Xylene                       |       | ND   | 1.00  | ug/l  |
| Styrene                        |       | ND   | 1.00  | ug/l  |
| Isopropylbenzene               |       | ND   | 1.00  | ug/l  |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250612W2 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK) (continued)**

Lab Sample ID: 250612B11.BLKW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 18:49, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | Conc | RDL  | Units |
|-----------------------------|-------|------|------|-------|
| Bromoform                   |       | ND   | 1.00 | ug/l  |
| 1,1,2,2-Tetrachloroethane   |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichloropropane      |       | ND   | 1.00 | ug/l  |
| n-Propylbenzene             |       | ND   | 1.00 | ug/l  |
| Bromobenzene                |       | ND   | 1.00 | ug/l  |
| 1,3,5-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| tert-Butylbenzene           |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| sec-Butylbenzene            |       | ND   | 1.00 | ug/l  |
| p-Isopropyltoluene          |       | ND   | 1.00 | ug/l  |
| 1,3-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,4-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| n-Butylbenzene              |       | ND   | 1.00 | ug/l  |
| Hexachloroethane            |       | ND   | 1.00 | ug/l  |
| 1,2-Dibromo-3-chloropropane |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| Naphthalene                 |       | ND   | 1.00 | ug/l  |
| 2-Methylnaphthalene         |       | ND   | 1.00 | ug/l  |

**Laboratory Control Sample (LCS)**

Lab Sample ID: 250612B11.LCSW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 17:15, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   |
|--------------------------------|-------|-------|------|-------|
| Diethyl ether                  |       | 101.9 | 67.4 | 121.2 |
| Acetone                        |       | 99.7  | 29.9 | 161.5 |
| Methyl iodide                  |       | 95.2  | 68.8 | 116.4 |
| Carbon disulfide               |       | 97.1  | 63.8 | 137.4 |
| tert-Methyl butyl ether (MTBE) |       | 102.0 | 73.2 | 122.4 |
| Acrylonitrile                  |       | 99.3  | 69.9 | 128.9 |
| 2-Butanone (MEK)               |       | 93.8  | 44.0 | 134.4 |
| Dichlorodifluoromethane        |       | 93.9  | 10.0 | 222.8 |
| Chloromethane                  |       | 99.7  | 23.8 | 166.5 |
| Vinyl chloride                 |       | 88.0  | 43.5 | 149.1 |
| Bromomethane                   |       | 88.1  | 56.8 | 151.3 |
| Chloroethane                   |       | 100.3 | 53.4 | 149.4 |
| Trichlorofluoromethane         |       | 93.9  | 59.7 | 151.8 |
| 1,1-Dichloroethene             |       | 97.4  | 69.6 | 139.4 |
| Methylene chloride             |       | 98.1  | 73.3 | 121.1 |
| trans-1,2-Dichloroethene       |       | 98.4  | 73.6 | 129.3 |
| 1,1-Dichloroethane             |       | 99.8  | 71.5 | 126.2 |
| cis-1,2-Dichloroethene         |       | 91.7  | 76.6 | 122.1 |
| Tetrahydrofuran                |       | 99.6  | 59.0 | 117.9 |
| Chloroform                     |       | 99.2  | 78.4 | 124.0 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250612W2 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250612B11.LCSW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 17:15, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   |
|-----------------------------|-------|-------|------|-------|
| Bromochloromethane          |       | 102.4 | 78.2 | 120.8 |
| 1,1,1-Trichloroethane       |       | 99.3  | 79.4 | 130.9 |
| 4-Methyl-2-pentanone (MIBK) |       | 102.6 | 71.6 | 125.2 |
| 2-Hexanone                  |       | 104.1 | 55.4 | 136.9 |
| Carbon tetrachloride        |       | 100.3 | 72.6 | 133.0 |
| Benzene                     |       | 101.5 | 79.9 | 124.9 |
| 1,2-Dichloroethane          |       | 102.5 | 76.0 | 126.3 |
| Trichloroethene             |       | 93.5  | 79.7 | 124.2 |
| 1,2-Dichloropropane         |       | 103.3 | 78.6 | 126.4 |
| Bromodichloromethane        |       | 104.3 | 80.4 | 128.2 |
| Dibromomethane              |       | 103.5 | 76.9 | 122.1 |
| cis-1,3-Dichloropropene     |       | 105.6 | 79.8 | 129.9 |
| Toluene                     |       | 102.0 | 79.8 | 124.5 |
| trans-1,3-Dichloropropene   |       | 107.6 | 74.0 | 131.3 |
| 1,1,2-Trichloroethane       |       | 103.5 | 78.7 | 123.1 |
| Tetrachloroethene           |       | 98.6  | 74.5 | 124.5 |
| trans-1,4-Dichloro-2-butene |       | 111.1 | 68.6 | 135.4 |
| Dibromochloromethane        |       | 105.3 | 74.6 | 127.2 |
| 1,2-Dibromoethane           |       | 104.9 | 70.3 | 133.7 |
| Chlorobenzene               |       | 102.9 | 79.2 | 122.7 |
| 1,1,1,2-Tetrachloroethane   |       | 104.3 | 80.3 | 128.2 |
| Ethylbenzene                |       | 103.2 | 79.5 | 129.1 |
| p,m-Xylene                  |       | 102.3 | 79.4 | 132.2 |
| o-Xylene                    |       | 103.8 | 80.2 | 131.0 |
| Styrene                     |       | 105.5 | 69.5 | 126.7 |
| Isopropylbenzene            |       | 103.4 | 74.4 | 121.5 |
| Bromoform                   |       | 106.7 | 69.4 | 128.0 |
| 1,1,2,2-Tetrachloroethane   |       | 104.7 | 79.8 | 126.3 |
| 1,2,3-Trichloropropane      |       | 102.6 | 78.3 | 138.8 |
| n-Propylbenzene             |       | 103.6 | 82.0 | 130.7 |
| Bromobenzene                |       | 102.9 | 78.7 | 124.6 |
| 1,3,5-Trimethylbenzene      |       | 103.3 | 81.3 | 128.9 |
| tert-Butylbenzene           |       | 103.6 | 80.7 | 128.9 |
| 1,2,4-Trimethylbenzene      |       | 105.0 | 81.4 | 130.8 |
| sec-Butylbenzene            |       | 102.6 | 77.4 | 129.8 |
| p-Isopropyltoluene          |       | 104.2 | 79.8 | 137.5 |
| 1,3-Dichlorobenzene         |       | 102.3 | 77.0 | 131.3 |
| 1,4-Dichlorobenzene         |       | 103.1 | 20.7 | 137.7 |
| 1,2-Dichlorobenzene         |       | 103.7 | 10.0 | 166.2 |
| 1,2,3-Trimethylbenzene      |       | 102.6 | 76.3 | 124.2 |
| n-Butylbenzene              |       | 101.0 | 80.0 | 133.3 |
| Hexachloroethane            |       | 101.9 | 23.8 | 138.1 |
| 1,2-Dibromo-3-chloropropane |       | 108.7 | 21.2 | 189.4 |
| 1,2,4-Trichlorobenzene      |       | 108.1 | 27.4 | 143.4 |
| 1,2,3-Trichlorobenzene      |       | 108.3 | 75.4 | 131.4 |
| Naphthalene                 |       | 111.4 | 32.9 | 135.8 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250612W2 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250612B11.LCSW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 17:15, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Analyte             | Flags | % Rec | LCL  | UCL   |
|---------------------|-------|-------|------|-------|
| 2-Methylnaphthalene |       | 109.0 | 25.5 | 165.5 |

**Laboratory Control Sample Duplicate (LCSD)**

Lab Sample ID: 250612B11.LCSDW12B, Parent Sample ID: 250612B11.LCSW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 17:38, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   | RPD  | RPD CL |
|--------------------------------|-------|-------|------|-------|------|--------|
| Diethyl ether                  |       | 100.6 | 67.4 | 121.2 | 1.3  | 30.0   |
| Acetone                        |       | 96.4  | 29.9 | 161.5 | 3.4  | 30.0   |
| Methyl iodide                  |       | 93.0  | 68.8 | 116.4 | 2.3  | 30.0   |
| Carbon disulfide               |       | 94.5  | 63.8 | 137.4 | 2.7  | 30.0   |
| tert-Methyl butyl ether (MTBE) |       | 99.1  | 73.2 | 122.4 | 2.9  | 30.0   |
| Acrylonitrile                  |       | 98.1  | 69.9 | 128.9 | 1.2  | 30.0   |
| 2-Butanone (MEK)               |       | 91.7  | 44.0 | 134.4 | 2.3  | 30.0   |
| Dichlorodifluoromethane        |       | 91.8  | 10.0 | 222.8 | 2.3  | 30.0   |
| Chloromethane                  |       | 95.4  | 23.8 | 166.5 | 4.3  | 30.0   |
| Vinyl chloride                 |       | 99.0  | 43.5 | 149.1 | 11.8 | 30.0   |
| Bromomethane                   |       | 104.1 | 56.8 | 151.3 | 16.7 | 30.0   |
| Chloroethane                   |       | 98.1  | 53.4 | 149.4 | 2.3  | 30.0   |
| Trichlorofluoromethane         |       | 91.6  | 59.7 | 151.8 | 2.4  | 30.0   |
| 1,1-Dichloroethene             |       | 95.2  | 69.6 | 139.4 | 2.3  | 30.0   |
| Methylene chloride             |       | 96.9  | 73.3 | 121.1 | 1.2  | 30.0   |
| trans-1,2-Dichloroethene       |       | 96.5  | 73.6 | 129.3 | 2.0  | 30.0   |
| 1,1-Dichloroethane             |       | 98.0  | 71.5 | 126.2 | 1.9  | 30.0   |
| cis-1,2-Dichloroethene         |       | 89.2  | 76.6 | 122.1 | 2.8  | 30.0   |
| Tetrahydrofuran                |       | 99.2  | 59.0 | 117.9 | 0.4  | 30.0   |
| Chloroform                     |       | 98.1  | 78.4 | 124.0 | 1.2  | 30.0   |
| Bromochloromethane             |       | 101.5 | 78.2 | 120.8 | 0.9  | 30.0   |
| 1,1,1-Trichloroethane          |       | 96.2  | 79.4 | 130.9 | 3.2  | 30.0   |
| 4-Methyl-2-pentanone (MIBK)    |       | 99.0  | 71.6 | 125.2 | 3.6  | 30.0   |
| 2-Hexanone                     |       | 101.3 | 55.4 | 136.9 | 2.7  | 30.0   |
| Carbon tetrachloride           |       | 96.3  | 72.6 | 133.0 | 4.0  | 30.0   |
| Benzene                        |       | 97.7  | 79.9 | 124.9 | 3.8  | 30.0   |
| 1,2-Dichloroethane             |       | 98.5  | 76.0 | 126.3 | 3.9  | 30.0   |
| Trichloroethene                |       | 90.8  | 79.7 | 124.2 | 2.9  | 30.0   |
| 1,2-Dichloropropane            |       | 98.9  | 78.6 | 126.4 | 4.3  | 30.0   |
| Bromodichloromethane           |       | 99.9  | 80.4 | 128.2 | 4.3  | 30.0   |
| Dibromomethane                 |       | 97.9  | 76.9 | 122.1 | 5.6  | 30.0   |
| cis-1,3-Dichloropropene        |       | 101.2 | 79.8 | 129.9 | 4.2  | 30.0   |
| Toluene                        |       | 97.8  | 79.8 | 124.5 | 4.2  | 30.0   |
| trans-1,3-Dichloropropene      |       | 103.3 | 74.0 | 131.3 | 4.1  | 30.0   |
| 1,1,2-Trichloroethane          |       | 100.6 | 78.7 | 123.1 | 2.8  | 30.0   |
| Tetrachloroethene              |       | 94.8  | 74.5 | 124.5 | 3.9  | 30.0   |
| trans-1,4-Dichloro-2-butene    |       | 109.3 | 68.6 | 135.4 | 1.7  | 30.0   |
| Dibromochloromethane           |       | 102.3 | 74.6 | 127.2 | 2.9  | 30.0   |
| 1,2-Dibromoethane              |       | 104.0 | 70.3 | 133.7 | 0.9  | 30.0   |
| Chlorobenzene                  |       | 100.1 | 79.2 | 122.7 | 2.7  | 30.0   |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250612W2 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample Duplicate (LCSD) (continued)**

Lab Sample ID: 250612B11.LCSDW12B, Parent Sample ID: 250612B11.LCSW12B

Run in Batch: 250612B11, Run Date: 06/12/2025 17:38, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   | RPD | RPD CL |
|-----------------------------|-------|-------|------|-------|-----|--------|
| 1,1,1,2-Tetrachloroethane   |       | 101.2 | 80.3 | 128.2 | 3.0 | 30.0   |
| Ethylbenzene                |       | 101.4 | 79.5 | 129.1 | 1.8 | 30.0   |
| p,m-Xylene                  |       | 99.9  | 79.4 | 132.2 | 2.4 | 30.0   |
| o-Xylene                    |       | 101.7 | 80.2 | 131.0 | 2.1 | 30.0   |
| Styrene                     |       | 103.7 | 69.5 | 126.7 | 1.7 | 30.0   |
| Isopropylbenzene            |       | 101.5 | 74.4 | 121.5 | 1.9 | 30.0   |
| Bromoform                   |       | 105.3 | 69.4 | 128.0 | 1.3 | 30.0   |
| 1,1,2,2-Tetrachloroethane   |       | 103.7 | 79.8 | 126.3 | 1.0 | 30.0   |
| 1,2,3-Trichloropropane      |       | 101.1 | 78.3 | 138.8 | 1.5 | 30.0   |
| n-Propylbenzene             |       | 101.0 | 82.0 | 130.7 | 2.5 | 30.0   |
| Bromobenzene                |       | 99.8  | 78.7 | 124.6 | 3.1 | 30.0   |
| 1,3,5-Trimethylbenzene      |       | 101.3 | 81.3 | 128.9 | 1.9 | 30.0   |
| tert-Butylbenzene           |       | 101.3 | 80.7 | 128.9 | 2.2 | 30.0   |
| 1,2,4-Trimethylbenzene      |       | 102.2 | 81.4 | 130.8 | 2.7 | 30.0   |
| sec-Butylbenzene            |       | 100.4 | 77.4 | 129.8 | 2.1 | 30.0   |
| p-Isopropyltoluene          |       | 101.9 | 79.8 | 137.5 | 2.2 | 30.0   |
| 1,3-Dichlorobenzene         |       | 100.2 | 77.0 | 131.3 | 2.0 | 30.0   |
| 1,4-Dichlorobenzene         |       | 100.3 | 20.7 | 137.7 | 2.7 | 30.0   |
| 1,2-Dichlorobenzene         |       | 101.1 | 10.0 | 166.2 | 2.5 | 30.0   |
| 1,2,3-Trimethylbenzene      |       | 100.2 | 76.3 | 124.2 | 2.4 | 30.0   |
| n-Butylbenzene              |       | 98.7  | 80.0 | 133.3 | 2.3 | 30.0   |
| Hexachloroethane            |       | 100.8 | 23.8 | 138.1 | 1.1 | 30.0   |
| 1,2-Dibromo-3-chloropropane |       | 108.4 | 21.2 | 189.4 | 0.2 | 30.0   |
| 1,2,4-Trichlorobenzene      |       | 104.1 | 27.4 | 143.4 | 3.7 | 30.0   |
| 1,2,3-Trichlorobenzene      |       | 104.4 | 75.4 | 131.4 | 3.7 | 30.0   |
| Naphthalene                 |       | 109.5 | 32.9 | 135.8 | 1.7 | 30.0   |
| 2-Methylnaphthalene         |       | 108.1 | 25.5 | 165.5 | 0.8 | 30.0   |

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME: Clifford Yantz/ Kevin Schneider  
 COMPANY: Ramboll  
 ADDRESS: 2090 Commonwealth Blvd.  
 CITY: Ann Arbor STATE: MI ZIP CODE: 48105  
 PHONE NO.: 313-333-0211 FAX NO.: --- P.O. NO.: 194001180 Task 1  
 E-MAIL ADDRESS: Clifford.yantz@ramboll.com Kevin.schneider@ramboll.com QUOTE NO.: ---

CONTACT NAME: ---  SAME  
 COMPANY: ---  
 ADDRESS: ---  
 CITY: --- STATE: --- ZIP CODE: ---  
 PHONE NO.: --- FAX NO.: --- P.O. NO.: ---

**ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)**

PROJECT NO./NAME: RACER Coldwater Road SAMPLER(S) - PLEASE PRINT/SIGN NAME: Savannah Thielber  
 TURNAROUND TIME REQUIRED:  24 HR  48 HR  72 HR  STANDARD  OTHER  
 DELIVERABLES REQUIRED:  STANDARD  LEVEL II  LEVEL III  OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

| VOCs | TOC | TOX | Phenols | Cyanide | Sulfate | Chlorides | Total Sodium | Dissolved metals | Specific Conductivity | SPECIAL INSTRUCTIONS/NOTES |
|------|-----|-----|---------|---------|---------|-----------|--------------|------------------|-----------------------|----------------------------|
|------|-----|-----|---------|---------|---------|-----------|--------------|------------------|-----------------------|----------------------------|

| MERIT LAB NO. | YEAR          |             | SAMPLE TAG IDENTIFICATION-DESCRIPTION       | MATRIX     | # OF BOTTLES | NONE     | HCL      | HNO3     | H2SO4    | NaOH     | MeOH | OTHER | VOCs     | TOC      | TOX      | Phenols  | Cyanide  | Sulfate  | Chlorides | Total Sodium | Dissolved metals | Specific Conductivity | SPECIAL INSTRUCTIONS/NOTES |   |
|---------------|---------------|-------------|---|------------|--------------|----------|----------|----------|----------|----------|------|-------|----------|----------|----------|----------|----------|----------|-----------|--------------|------------------|-----------------------|----------------------------|---|
|               | DATE          | TIME        |   |            |              |          |          |          |          |          |      |       |          |          |          |          |          |          |           |              |                  |                       |                            |   |
| <u>791201</u> | <u>6/4/25</u> | <u>1512</u> | <u>B-27D-20250604</u>                       | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   | <u>Dissolved metals were field filtered</u> |
| <u>.02</u>    | <u>6/5/25</u> | <u>1035</u> | <u>B-22D-20250605</u>                       | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.03</u>    | <u>6/5/25</u> | <u>1106</u> | <u>B-24R-20250605</u>                       | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.04</u>    | <u>6/5/25</u> | <u>1225</u> | <u>B-21D-20250605</u>                       | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   | <u>metals are:</u>                          |
| <u>.05</u>    | <u>6/5/25</u> | <u>1415</u> | <u>B-20D-20250605</u>                       | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   | <u>Cr, Cu, Ni, Zn, Fe, Mn</u>               |
| <u>.06</u>    | <u>6/5/25</u> | <u>1615</u> | <u>B<sup>ST</sup>-1608b-mw-16D-20250605</u> | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.07</u>    | <u>6/5/25</u> | <u>1441</u> | <u>B-19AR-20250605</u>                      | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.08</u>    | <u>6/6/25</u> | <u>0905</u> | <u>B-18A-20250606</u>                       | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.09</u>    | <u>6/6/25</u> | <u>---</u>  | <u>MW-DUP-1-20250606</u>                    | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.10</u>    | <u>6/6/25</u> | <u>1100</u> | <u>B-7-20250606</u>                         | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.11</u>    | <u>6/6/25</u> | <u>1216</u> | <u>B-9-20250606</u>                         | <u>GW</u>  | <u>11</u>    | <u>1</u> | <u>3</u> | <u>2</u> | <u>4</u> | <u>1</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>     | <u>X</u>         | <u>X</u>              | <u>X</u>                   |   |
| <u>.12</u>    | <u>6/6/25</u> | <u>---</u>  | <u>Trip Blank-20250606-2</u>                | <u>---</u> | <u>1</u>     | <u>1</u> |          |          |          |          |      |       | <u>X</u> |          |          |          |          |          |           |              |                  |                       |                            |   |

RELINQUISHED BY: Savannah Thielber DATE: 6/6/25 TIME: 1330  
 RECEIVED BY: J.M.M. DATE: 6/6/25 TIME: 1315  
 RELINQUISHED BY: J.M.M. DATE: 6/6/25 TIME: 15:20  
 RECEIVED BY: [Signature] DATE: 6/6/25 TIME: 15:20

RELINQUISHED BY: --- DATE: --- TIME: ---  
 RECEIVED BY: --- DATE: --- TIME: ---  
 SEAL NO. SEAL INTACT YES  NO  INITIALS: --- NOTES: --- TEMP. ON ARRIVAL: 3.1



2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-6333  
 www.meritlabs.com

C.O.C. PAGE # 2 OF 2

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**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME: Clifford Yantz/kevin schneider  
 COMPANY: Ramboll  
 ADDRESS: 2090 Common Wealth Blvd.  
 CITY: Ann Arbor STATE: MI ZIP CODE: 48105  
 PHONE NO.: 313-333-0211 FAX NO.: —  
 P.O. NO.: P40011180 Task 1  
 E-MAIL ADDRESS: clifford.yantz@ramboll.com kevin.schneider@ramboll.com  
 QUOTE NO.: —

CONTACT NAME:  SAME  
 COMPANY:  
 ADDRESS:  
 CITY: STATE: ZIP CODE:  
 PHONE NO.: FAX NO.: P.O. NO.:

**ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)**

PROJECT NO./NAME: RACER coldwater rd SAMPLER(S) - PLEASE PRINT/SIGN NAME: Savannah Thielbar  
 TURNAROUND TIME REQUIRED:  24 HR  48 HR  72 HR  STANDARD  OTHER  
 DELIVERABLES REQUIRED:  STANDARD  LEVEL II  LEVEL III  OTHER

MATRIX CODE: GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER O=OIL S=SOIL A=AIR L=LIQUID W=WASTE SD=SOLID M=MISC

| MERIT LAB NO.   | YEAR          |          | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX   | # OF BOTTLES | NONE | HCL | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH | MeOH | OTHER | # Containers & Preservatives | SPECIAL INSTRUCTIONS/NOTES |
|-----------------|---------------|----------|---------------------------------------|----------|--------------|------|-----|------------------|--------------------------------|------|------|-------|------------------------------|----------------------------|
|                 | DATE          | TIME     |                                       |          |              |      |     |                  |                                |      |      |       |                              |                            |
| <u>75412.13</u> | <u>6/6/25</u> | <u>—</u> | <u>Trip Blank - 20250606</u>          | <u>L</u> | <u>1</u>     |      |     |                  |                                |      |      |       | <u>X</u>                     | <u>VOCs</u>                |
| <u>.14</u>      | <u>6/6/25</u> | <u>—</u> | <u>Trip Blank - 20250606-3</u>        | <u>L</u> | <u>1</u>     |      |     |                  |                                |      |      |       | <u>X</u>                     |                            |
|                 |               |          |                                       |          |              |      |     |                  |                                |      |      |       |                              | <u>ST</u>                  |
|                 |               |          |                                       |          |              |      |     |                  |                                |      |      |       |                              | <u>ST</u>                  |

RELINQUISHED BY: Savannah Thielbar DATE: 6/6/25 TIME: 1330  
 RECEIVED BY: [Signature] DATE: 6/6/25 TIME: 1230  
 RELINQUISHED BY: [Signature] DATE: 6/6/25 TIME: 1530  
 RECEIVED BY: [Signature] DATE: 6/6/25 TIME: 1520

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:  
 RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:  
 SEAL NO. SEAL INTACT YES  NO  INITIALS: NOTES: TEMP. ON ARRIVAL: 3.1





# Analytical Laboratory Report

Report ID: S75522.01(01)  
Generated on 06/23/2025

Report to

Attention: Clifford Yantz  
Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:  
Email: Clifford.Yantz@ramboll.com

Additional Contacts: Kevin Schneider

Report produced by

Merit Laboratories, Inc.  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:  
John Lavery (johnlavery@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S75522.01-S75522.02  
Project: RACER Coldwater Road  
Collected Date(s): 06/10/2025  
Submitted Date/Time: 06/10/2025 15:30  
Sampled by: Savannah Thielbar  
P.O. #: 1940011180 TASK 001

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- Method Summary (Page 4)
- Sample Summary (Page 5)

Maya Murshak  
Technical Director



# Analytical Laboratory Report

## General Report Notes

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Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (\*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the

FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

## Report Narrative

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There is no additional narrative for this analytical report



# Analytical Laboratory Report

## Laboratory Accreditations (For Reference Only)

| Authority                     | Accreditation ID    |
|-------------------------------|---------------------|
| Michigan DEQ                  | #9956               |
| DOD ELAP & ISO/IEC 17025:2017 | #69699 PJLA Testing |
| WBENC                         | #2005110032         |
| Ohio VAP                      | #CL0002             |
| Indiana DOH                   | #C-MI-07            |
| New York NELAC                | #11814              |
| North Carolina DENR           | #680                |
| North Carolina DOH            | #26702              |
| Pennsylvania DEP              | #68-05884           |
| Wisconsin DNR                 | FID# 399147320      |

## Qualifier Descriptions

| Qualifier | Description   |
|-----------|---|
| !         | Result is outside of stated limit criteria                            |
| B         | Compound also found in associated method blank                        |
| E         | Concentration exceeds calibration range                               |
| F         | Analysis run outside of holding time                                  |
| G         | Estimated result due to extraction run outside of holding time        |
| H         | Sample submitted and run outside of holding time                      |
| I         | Matrix interference with internal standard                            |
| J         | Estimated value less than reporting limit, but greater than MDL       |
| L         | Elevated reporting limit due to low sample amount                     |
| M         | Result reported to MDL not RDL  |
| O         | Analysis performed by outside laboratory. See attached report.        |
| R         | Preliminary result  |
| S         | Surrogate recovery outside of control limits                          |
| T         | No correction for total solids  |
| X         | Elevated reporting limit due to matrix interference                   |
| Y         | Elevated reporting limit due to high target concentration             |
| b         | Value detected less than reporting limit, but greater than MDL        |
| e         | Reported value estimated due to interference                          |
| j         | Analyte also found in associated method blank                         |
| o         | Associated EIS outside of control limits                              |
| p         | Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak. |
| q         | Qualifier ion ratio outside of control limits                         |
| x         | Preserved from bulk sample  |

## Glossary of Abbreviations

| Abbreviation | Description                              |
|--------------|--|
| RL/RDL       | Reporting Limit                          |
| MDL          | Method Detection Limit                   |
| MS           | Matrix Spike                             |
| MSD          | Matrix Spike Duplicate                   |
| SW           | EPA SW 846 (Soil and Wastewater) Methods |
| E            | EPA Methods                              |
| SM           | Standard Methods                         |
| LN           | Linear                                   |
| BR           | Branched                                 |



# Analytical Laboratory Report

## Method Summary

| Method           | Version  |
|------------------|--|
| E120.1           | EPA Method 120.1 Revision 1982   |
| E200.8           | EPA Method 200.8 Revision 5.4  |
| E300.0           | EPA Method 300.0 Revision 2.1 (1993)                                   |
| E335.4/SM4500-CN | EPA Method 335.4 Revision 1.0 / Standard Method 4500-CN E 2021         |
| E420.1           | EPA Method 420.1 Editorial Revision 1978                               |
| N/A              | Not Applicable   |
| SM5310C          | Standard Method 5310C 2014   |
| SW3015A          | SW 846 Method 3015A Revision 1 February 2007                           |
| SW5030C/8260C    | SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003 |
| SW9020B          | SW 846 Method 9020B Revision 2 September 1994                          |



# Analytical Laboratory Report

## Sample Summary (2 samples)

| Sample ID | Sample Tag               | Matrix      | Collected Date/Time |
|-----------|--------------------------|-------------|---------------------|
| S75522.01 | Equipment Blank-20250610 | Groundwater | 06/10/25 08:20      |
| S75522.02 | Trip Blank-20250610      | Water       | 06/10/25 00:01      |



# Analytical Laboratory Report

Lab Sample ID: S75522.01

Sample Tag: Equipment Blank-20250610

Collected Date/Time: 06/10/2025 08:20

Matrix: Groundwater

COC Reference: 177646

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 3 | 40mL Glass    | HCL             | Yes           | 4.6               | IR            |
| 2 | 40mL Glass    | H2SO4           | Yes           | 4.6               | IR            |
| 1 | 125mL Amber   | H2SO4           | Yes           | 4.6               | IR            |
| 1 | 250mL Amber   | H2SO4           | Yes           | 4.6               | IR            |
| 1 | 125mL Plastic | NaOH            | Yes           | 4.6               | IR            |
| 1 | 125mL Plastic | HNO3            | Yes           | 4.6               | IR            |
| 1 | 250mL Plastic | None            | Yes           | 4.6               | IR            |

### Extraction / Prep.

| Parameter          | Result    | Method  | Run Date       | Analyst | Flags |
|--------------------|-----------|---------|----------------|---------|-------|
| pH check for VOCs* | <2        | N/A     | 06/17/25 11:15 | NDK     |       |
| Metal Digestion    | Completed | SW3015A | 06/13/25 10:30 | CCM     |       |

### Inorganics

Method: E120.1, Run Date: 06/12/25 13:48, Analyst: JKB

| Parameter    | Result | RL | MDL | Units    | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 4.55   | 1  |     | umhos/cm | 1        |      |       |

Method: E300.0, Run Date: 06/11/25 11:50, Analyst: SRH

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS#       | Flags |
|-----------|--------------|------|-----|-------|----------|------------|-------|
| Chloride  | Not detected | 10.0 |     | mg/L  | 10       | 16887-00-6 |       |
| Sulfate   | Not detected | 10.0 |     | mg/L  | 10       | 14808-79-8 |       |

Method: E335.4/SM4500-CN, Run Date: 06/20/25 23:42, Analyst: MDG

| Parameter      | Result       | RL    | MDL | Units | Dilution | CAS#    | Flags |
|----------------|--------------|-------|-----|-------|----------|---------|-------|
| Cyanide, Total | Not detected | 0.004 |     | mg/L  | 2        | 57-12-5 |       |

Method: E420.1, Run Date: 06/12/25 16:36, Analyst: JKB

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|------|-----|-------|----------|------|-------|
| Phenols   | Not detected | 0.02 |     | mg/L  | 1.7      |      |       |

Method: SM5310C, Run Date: 06/11/25 19:54, Analyst: JKB

| Parameter | Result       | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------------|----|-----|-------|----------|------|-------|
| TOC       | Not detected | 1  |     | mg/L  | 1        |      |       |

### Metals

Method: E200.8, Run Date: 06/13/25 15:04, Analyst: CCM

| Parameter | Result       | RL   | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------------|------|-----|-------|----------|-----------|-------|
| Sodium    | Not detected | 0.50 |     | mg/L  | 5        | 7440-23-5 |       |

Method: E200.8, Run Date: 06/13/25 12:12, Analyst: CCM

| Parameter | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium  | Not detected | 0.005 |     | mg/L  | 5        | 7440-47-3 |       |
| Copper    | Not detected | 0.005 |     | mg/L  | 5        | 7440-50-8 |       |
| Iron      | Not detected | 0.02  |     | mg/L  | 5        | 7439-89-6 |       |
| Manganese | Not detected | 0.005 |     | mg/L  | 5        | 7439-96-5 |       |



# Analytical Laboratory Report

Lab Sample ID: S75522.01 (continued)

Sample Tag: Equipment Blank-20250610

Method: E200.8, Run Date: 06/13/25 12:12, Analyst: CCM (continued)

| Parameter | Result       | RL    | MDL | Units | Dilution | CAS#      | Flags |
|-----------|--------------|-------|-----|-------|----------|-----------|-------|
| Nickel    | Not detected | 0.005 |     | mg/L  | 5        | 7440-02-0 |       |
| Zinc      | Not detected | 0.005 |     | mg/L  | 5        | 7440-66-6 |       |

## Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/17/25 04:10, Analyst: ACK

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | Not detected | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |
| Dibromochloromethane           | Not detected | 5  |     | ug/L  | 1        | 124-48-1   |       |
| 1,2-Dibromoethane              | Not detected | 1  |     | ug/L  | 1        | 106-93-4   |       |
| Chlorobenzene                  | Not detected | 1  |     | ug/L  | 1        | 108-90-7   |       |
| 1,1,1,2-Tetrachloroethane      | Not detected | 1  |     | ug/L  | 1        | 630-20-6   |       |
| Ethylbenzene                   | Not detected | 1  |     | ug/L  | 1        | 100-41-4   |       |
| p,m-Xylene                     | Not detected | 2  |     | ug/L  | 1        |            |       |
| o-Xylene                       | Not detected | 1  |     | ug/L  | 1        | 95-47-6    |       |



# Analytical Laboratory Report

Lab Sample ID: S75522.01 (continued)

Sample Tag: Equipment Blank-20250610

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/17/25 04:10, Analyst: ACK (continued)**

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

**Organics**

**Method: SW9020B, Run Date: 06/18/25 06:40, Analyst: GEL**

| Parameter | Result    | RL    | MDL | Units | Dilution | CAS# | Flags |
|-----------|-----------|-------|-----|-------|----------|------|-------|
| TOX*      | Completed | 3,000 |     | ug/L  | 1        |      | O     |

O-Analysis performed by outside laboratory. See attached report.



# Analytical Laboratory Report

Lab Sample ID: S75522.02

Sample Tag: Trip Blank-20250610

Collected Date/Time: 06/10/2025 00:01

Matrix: Water

COC Reference: 177646

### Sample Containers

| # | Type       | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40mL Glass | HCL             | Yes           | 4.6               | IR            |

### Extraction / Prep.

| Parameter          | Result | Method | Run Date       | Analyst | Flags |
|--------------------|--------|--------|----------------|---------|-------|
| pH check for VOCs* | <2     | N/A    | 06/17/25 11:15 | NDK     |       |

### Organics - Volatiles

**Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/17/25 02:36, Analyst: ACK**

| Parameter                      | Result       | RL | MDL | Units | Dilution | CAS#       | Flags |
|--------------------------------|--------------|----|-----|-------|----------|------------|-------|
| Diethyl ether                  | Not detected | 10 |     | ug/L  | 1        | 60-29-7    |       |
| Acetone                        | Not detected | 50 |     | ug/L  | 1        | 67-64-1    |       |
| Methyl iodide                  | Not detected | 1  |     | ug/L  | 1        | 74-88-4    |       |
| Carbon disulfide               | Not detected | 5  |     | ug/L  | 1        | 75-15-0    |       |
| tert-Methyl butyl ether (MTBE) | Not detected | 5  |     | ug/L  | 1        | 1634-04-4  |       |
| Acrylonitrile                  | Not detected | 2  |     | ug/L  | 1        | 107-13-1   |       |
| 2-Butanone (MEK)               | Not detected | 25 |     | ug/L  | 1        | 78-93-3    |       |
| Dichlorodifluoromethane        | Not detected | 5  |     | ug/L  | 1        | 75-71-8    |       |
| Chloromethane                  | Not detected | 5  |     | ug/L  | 1        | 74-87-3    |       |
| Vinyl chloride                 | Not detected | 1  |     | ug/L  | 1        | 75-01-4    |       |
| Bromomethane                   | Not detected | 5  |     | ug/L  | 1        | 74-83-9    |       |
| Chloroethane                   | Not detected | 5  |     | ug/L  | 1        | 75-00-3    |       |
| Trichlorofluoromethane         | Not detected | 1  |     | ug/L  | 1        | 75-69-4    |       |
| 1,1-Dichloroethene             | Not detected | 1  |     | ug/L  | 1        | 75-35-4    |       |
| Methylene chloride             | Not detected | 5  |     | ug/L  | 1        | 75-09-2    |       |
| trans-1,2-Dichloroethene       | Not detected | 1  |     | ug/L  | 1        | 156-60-5   |       |
| 1,1-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 75-34-3    |       |
| cis-1,2-Dichloroethene         | Not detected | 1  |     | ug/L  | 1        | 156-59-2   |       |
| Tetrahydrofuran                | Not detected | 90 |     | ug/L  | 1        | 109-99-9   |       |
| Chloroform                     | Not detected | 1  |     | ug/L  | 1        | 67-66-3    |       |
| Bromochloromethane             | Not detected | 1  |     | ug/L  | 1        | 74-97-5    |       |
| 1,1,1-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 71-55-6    |       |
| 4-Methyl-2-pentanone (MIBK)    | Not detected | 50 |     | ug/L  | 1        | 108-10-1   |       |
| 2-Hexanone                     | Not detected | 50 |     | ug/L  | 1        | 591-78-6   |       |
| Carbon tetrachloride           | Not detected | 1  |     | ug/L  | 1        | 56-23-5    |       |
| Benzene                        | Not detected | 1  |     | ug/L  | 1        | 71-43-2    |       |
| 1,2-Dichloroethane             | Not detected | 1  |     | ug/L  | 1        | 107-06-2   |       |
| Trichloroethene                | Not detected | 1  |     | ug/L  | 1        | 79-01-6    |       |
| 1,2-Dichloropropane            | Not detected | 1  |     | ug/L  | 1        | 78-87-5    |       |
| Bromodichloromethane           | Not detected | 1  |     | ug/L  | 1        | 75-27-4    |       |
| Dibromomethane                 | Not detected | 5  |     | ug/L  | 1        | 74-95-3    |       |
| cis-1,3-Dichloropropene        | Not detected | 1  |     | ug/L  | 1        | 10061-01-5 |       |
| Toluene                        | Not detected | 1  |     | ug/L  | 1        | 108-88-3   |       |
| trans-1,3-Dichloropropene      | Not detected | 1  |     | ug/L  | 1        | 10061-02-6 |       |
| 1,1,2-Trichloroethane          | Not detected | 1  |     | ug/L  | 1        | 79-00-5    |       |
| Tetrachloroethene              | 3            | 1  |     | ug/L  | 1        | 127-18-4   |       |
| trans-1,4-Dichloro-2-butene    | Not detected | 1  |     | ug/L  | 1        | 110-57-6   |       |



# Analytical Laboratory Report

Lab Sample ID: S75522.02 (continued)

Sample Tag: Trip Blank-20250610

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/17/25 02:36, Analyst: ACK (continued)

| Parameter                   | Result       | RL | MDL | Units | Dilution | CAS#     | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| Dibromochloromethane        | Not detected | 5  |     | ug/L  | 1        | 124-48-1 |       |
| 1,2-Dibromoethane           | Not detected | 1  |     | ug/L  | 1        | 106-93-4 |       |
| Chlorobenzene               | Not detected | 1  |     | ug/L  | 1        | 108-90-7 |       |
| 1,1,1,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 630-20-6 |       |
| Ethylbenzene                | Not detected | 1  |     | ug/L  | 1        | 100-41-4 |       |
| p,m-Xylene                  | Not detected | 2  |     | ug/L  | 1        |          |       |
| o-Xylene                    | Not detected | 1  |     | ug/L  | 1        | 95-47-6  |       |
| Styrene                     | Not detected | 1  |     | ug/L  | 1        | 100-42-5 |       |
| Isopropylbenzene            | Not detected | 5  |     | ug/L  | 1        | 98-82-8  |       |
| Bromoform                   | Not detected | 1  |     | ug/L  | 1        | 75-25-2  |       |
| 1,1,2,2-Tetrachloroethane   | Not detected | 1  |     | ug/L  | 1        | 79-34-5  |       |
| 1,2,3-Trichloropropane      | Not detected | 1  |     | ug/L  | 1        | 96-18-4  |       |
| n-Propylbenzene             | Not detected | 1  |     | ug/L  | 1        | 103-65-1 |       |
| Bromobenzene                | Not detected | 1  |     | ug/L  | 1        | 108-86-1 |       |
| 1,3,5-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 108-67-8 |       |
| tert-Butylbenzene           | Not detected | 1  |     | ug/L  | 1        | 98-06-6  |       |
| 1,2,4-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 95-63-6  |       |
| sec-Butylbenzene            | Not detected | 1  |     | ug/L  | 1        | 135-98-8 |       |
| p-Isopropyltoluene          | Not detected | 5  |     | ug/L  | 1        | 99-87-6  |       |
| 1,3-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 541-73-1 |       |
| 1,4-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 106-46-7 |       |
| 1,2-Dichlorobenzene         | Not detected | 1  |     | ug/L  | 1        | 95-50-1  |       |
| 1,2,3-Trimethylbenzene      | Not detected | 1  |     | ug/L  | 1        | 526-73-8 |       |
| n-Butylbenzene              | Not detected | 1  |     | ug/L  | 1        | 104-51-8 |       |
| Hexachloroethane            | Not detected | 5  |     | ug/L  | 1        | 67-72-1  |       |
| 1,2-Dibromo-3-chloropropane | Not detected | 5  |     | ug/L  | 1        | 96-12-8  |       |
| 1,2,4-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 120-82-1 |       |
| 1,2,3-Trichlorobenzene      | Not detected | 5  |     | ug/L  | 1        | 87-61-6  |       |
| Naphthalene                 | Not detected | 5  |     | ug/L  | 1        | 91-20-3  |       |
| 2-Methylnaphthalene         | Not detected | 5  |     | ug/L  | 1        | 91-57-6  |       |

# Merit Laboratories Login Checklist

Lab Set ID:S75522

Client:RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Submitted:06/10/2025 15:30 Login User: PFD

Attention: Clifford Yantz

Address: Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:  
Email: Clifford.Yantz@ramboll.com

| Selection | Description | Note |
|-----------|-------------|------|
|-----------|-------------|------|

## Sample Receiving

- |     |  |  |
|-----|--|--|
| 01. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples are received at 4C +/- 2C Thermometer # IR 4.6 |
| 02. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Received on ice/ cooling process begun                 |
| 03. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples shipped  |
| 04. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples left in 24 hr. drop box                        |
| 05. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Are there custody seals/tape or is the drop box locked |

## Chain of Custody

- |     |  |  |
|-----|--|--|
| 06. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC adequately filled out                    |
| 07. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC signed and relinquished to the lab       |
| 08. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sample tag on bottles match COC              |
| 09. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Subcontracting needed? Subcontracted to: GEL |

## Preservation

- |     |  |   |
|-----|--|---|
| 10. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Do sample have correct chemical preservation        |
| 11. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Completed pH checks on preserved samples? (no VOAs) |
| 12. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Did any samples need to be preserved in the lab?    |

## Bottle Conditions

- |     |  |   |
|-----|--|---|
| 13. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All bottles intact                                  |
| 14. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Appropriate analytical bottles are used             |
| 15. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Merit bottles used                                  |
| 16. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sufficient sample volume received                   |
| 17. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples require laboratory filtration               |
| 18. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples submitted within holding time               |
| 19. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Do water VOC, TOX, DO or Alkalinity bottles contain |

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: \_\_\_\_\_ Date: \_\_\_\_\_

# Merit Laboratories Bottle Preservation Check

Lab Set ID: S75522      Submitted: 06/10/2025 15:30

Client: RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Initial Preservation Check: 06/10/2025 16:37 PFD

Preservation Recheck (E200.8): N/A

Attention: Clifford Yantz

Address: Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211      FAX:  
Email: Clifford.Yantz@ramboll.com

| Sample ID | Bottle / Preservation | pH (Orig) | Add ml | pH (New) | Notes |
|-----------|-----------------------|-----------|--------|----------|-------|
| S75522.01 | 125mL Amber H2SO4     | <2        |        |          |       |
| S75522.01 | 125mL Plastic HNO3    | <2        |        |          |       |
| S75522.01 | 125mL Plastic NaOH    | >12       |        |          |       |
| S75522.01 | 250mL Amber H2SO4     | <2        |        |          |       |



2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-4034  
 www.meritlabs.com

C.O.C. PAGE # 1 OF 1

177646

**REPORT TO** **CHAIN OF CUSTODY RECORD** **INVOICE TO**

CONTACT NAME Kevin Schneider / Clifford Yantz  
 COMPANY Ramboll  
 ADDRESS 2090 Commonwealth Blvd  
 CITY Am Arbor STATE MI ZIP CODE 48105  
 PHONE NO. CELL NO. 313-333-0211 P.O. NO. 1940011180 Task 001  
 E-MAIL ADDRESS clifford.yantz@ramboll.com Kevin.Schneider@ramboll.com QUOTE NO.

CONTACT NAME  SAME  
 COMPANY  
 ADDRESS  
 CITY STATE ZIP CODE  
 PHONE NO. E-MAIL ADDRESS

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME RACER coldwater Road SAMPLER(S) - PLEASE PRINT/SIGN NAME Savannah Thielbar  
 TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER  
 DELIVERABLES REQUIRED  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

MATRIX W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR WS=WASTE

# Containers & Preservatives

| MERIT LAB NO.<br><small>FOR LAB USE ONLY</small> | COLLECTION     |             | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX      | # OF BOTTLES | NONE | HCl | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH     | MeOH | OTHER | VOCs     | TOC      | TOX      | phenols  | cyanide  | sulfate  | chlorides | specific conductivity | Total Metals | Certifications                    |   | Project Locations            |                                | Special Instructions |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|----------------|-------------|---------------------------------------|-------------|--------------|------|-----|------------------|--------------------------------|----------|------|-------|----------|----------|----------|----------|----------|----------|-----------|-----------------------|--------------|-----------------------------------|---|------------------------------|--------------------------------|----------------------|--|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  | DATE           | TIME        |                                       |             |              |      |     |                  |                                |          |      |       |          |          |          |          |          |          |           |                       |              | <input type="checkbox"/> OHIO VAP | <input type="checkbox"/> Drinking Water | <input type="checkbox"/> DoD | <input type="checkbox"/> NPDES |                      | <input type="checkbox"/> Detroit                     | <input type="checkbox"/> New York |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <u>75522.01</u>                                  | <u>6/10/25</u> | <u>0820</u> | <u>Equipment Blank - 20250610</u>     | <u>QL10</u> | <u>1</u>     |      |     | <u>3</u>         | <u>1</u>                       | <u>4</u> |      |       | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u>  | <u>X</u>              | <u>X</u>     |                                   |   |                              |                                |                      | <u>Metals Are:<br/>Cr, Co, Ni, Zn, Fe<br/>Mn, Na</u> |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <u>.02</u>                                       | <u>6/10/25</u> | <u>-</u>    | <u>Trip Blank - 20250610</u>          | <u>QL1</u>  | <u>1</u>     |      |     |                  | <u>1</u>                       |          |      |       | <u>X</u> |          |          |          |          |          |           |                       |              |                                   |   |                              |                                |                      |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <u>ST</u>  |                |             |                                       |             |              |      |     |                  |                                |          |      |       |          |          |          |          |          |          |           |                       |              |                                   |   |                              |                                |                      |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <u>ST</u>  |                |             |                                       |             |              |      |     |                  |                                |          |      |       |          |          |          |          |          |          |           |                       |              |                                   |   |                              |                                |                      |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

RELINQUISHED BY: Savannah Thielbar  Sampler DATE 6/10/25 TIME 1240  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: J. [Signature] DATE 6/10/25 TIME 1240  
 SIGNATURE/ORGANIZATION  
 RELINQUISHED BY: J. [Signature] DATE 6/10/25 TIME 1530  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: J. [Signature] DATE 6/10/25 TIME 1530  
 SIGNATURE/ORGANIZATION

RELINQUISHED BY: DATE TIME  
 SIGNATURE/ORGANIZATION  
 RECEIVED BY: DATE TIME  
 SIGNATURE/ORGANIZATION  
 SEAL NO. SEAL INTACT YES  NO  INITIALS  
 SEAL NO. SEAL INTACT YES  NO  INITIALS  
 NOTES: TEMP. ON ARRIVAL 4.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

June 23, 2025

John Laverty  
Merit Laboratories Inc.  
2680 East Lansing Drive  
East Lansing, Michigan 48823

Re: Halogen Analysis  
Work Order: 728698  
SDG: S75522

Dear John Laverty:

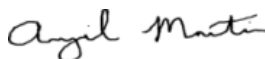
GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 12, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at [www.gel.com](http://www.gel.com).

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 1614.

Sincerely,



Abigail Martin for  
Delaney Stonesmith  
Project Manager

Purchase Order: GELP20-0014  
Enclosures

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis Report for

MERI001 Merit Laboratories, Inc.

Client SDG: S75522 GEL Work Order: 728698

**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a Tracer compound
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Delaney Stonesmith.

Reviewed by \_\_\_\_\_

*Angel Martin*

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: June 23, 2025

Company : Merit Laboratories Inc.  
Address : 2680 East Lansing Drive

East Lansing, Michigan 48823

Contact: John Lavery  
Project: Halogen Analysis

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | S75522.01       | Project:   | MERI00220 |
| Sample ID:        | 728698001       | Client ID: | MERI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 10-JUN-25 08:20 |            |           |
| Receive Date:     | 12-JUN-25       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                   | Qualifier | Result | DL   | RL   | Units | PF | DF | Analyst | Date     | Time | Batch   | Method |
|---|-----------|--------|------|------|-------|----|----|---------|----------|------|---------|--------|
| Halogen Analysis                            |           |        |      |      |       |    |    |         |          |      |         |        |
| SW9020B TOX (Organic Halogen) "As Received" |           |        |      |      |       |    |    |         |          |      |         |        |
| Total Organic Halogens                      | U         | ND     | 3.33 | 10.0 | ug/L  |    | 1  | RMJ     | 06/18/25 | 0640 | 2815262 | 1      |

The following Analytical Methods were performed:

---

| Method | Description | Analyst | Comments |
|--------|-------------|---------|----------|
| 1      | SW846 9020B |         |          |

### Notes:

Column headers are defined as follows:

|                                       |                                |
|---------------------------------------|--------------------------------|
| DF: Dilution Factor                   | Lc/LC: Critical Level          |
| DL: Detection Limit                   | PF: Prep Factor                |
| MDA: Minimum Detectable Activity      | RL: Reporting Limit            |
| MDC: Minimum Detectable Concentration | SQL: Sample Quantitation Limit |

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: June 23, 2025

Page 1 of 2

Merit Laboratories Inc.  
2680 East Lansing Drive  
East Lansing, Michigan

Contact: John Laverty

Workorder: 728698

| Parmname                | NOM       | Sample | Qual | QC   | Units | RPD/D% | REC% | Range      | Anlst | Date     | Time  |
|-------------------------|-----------|--------|------|------|-------|--------|------|------------|-------|----------|-------|
| <b>Halogen Analysis</b> |           |        |      |      |       |        |      |            |       |          |       |
| Batch                   | 2815262   |        |      |      |       |        |      |            |       |          |       |
| QC1206143989            | 728086006 | DUP    |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | U         | ND     | U    | ND   | ug/L  | N/A    |      |            | RMJ   | 06/17/25 | 23:57 |
| QC1206143988            | LCS       |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       |        |      | 110  | ug/L  |        | 110  | (73%-117%) |       | 06/17/25 | 23:15 |
| QC1206143987            | MB        |        |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  |           |        | U    | ND   | ug/L  |        |      |            |       | 06/17/25 | 22:50 |
| QC1206143990            | 728086006 | MS     |      |      |       |        |      |            |       |          |       |
| Total Organic Halogens  | 100       | U      | ND   | 88.3 | ug/L  |        | 88.3 | (55%-128%) |       | 06/18/25 | 00:46 |

### Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 728698

Page 2 of 2

| Parname | NOM | Sample | Qual | QC | Units | RPD/D% | REC% | Range | Anlst | Date | Time |
|---------|-----|--------|------|----|-------|--------|------|-------|-------|------|------|
| N1      |     |        |      |    |       |        |      |       |       |      |      |
|         |     |        |      |    |       |        |      |       |       |      |      |
| R       |     |        |      |    |       |        |      |       |       |      |      |
| B       |     |        |      |    |       |        |      |       |       |      |      |
| e       |     |        |      |    |       |        |      |       |       |      |      |
| x       |     |        |      |    |       |        |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

**General Chemistry  
Technical Case Narrative  
Merit Laboratories, Inc.  
SDG #: S75522  
Work Order #: 728698**

**Product:** Total Organic Halogens (TOX)

**Analytical Method:** SW846 9020B

**Analytical Procedure:** GL-GC-E-007 REV# 17

**Analytical Batch:** 2815262

The following samples were analyzed using the above methods and analytical procedure(s).

| <b><u>GEL Sample ID#</u></b> | <b><u>Client Sample Identification</u></b>  |
|------------------------------|---|
| 728698001                    | S75522.01                                   |
| 1206143987                   | Method Blank (MB)                           |
| 1206143988                   | Laboratory Control Sample (LCS)             |
| 1206143989                   | 728086006(S75412.06) Sample Duplicate (DUP) |
| 1206143990                   | 728086006(S75412.06) Matrix Spike (MS)      |

The samples in this SDG were analyzed on an "as received" basis.

**Data Summary:**

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

**Miscellaneous Information**

**Additional Comments**

A pair of nitrate wash blanks is analyzed at the start of the batch. Although they are designated as ICB, they are performed for calculating purposes only. The value of the nitrate wash blanks are averaged and subtracted from all samples. Neither of these values should exceed 0.6 ug Cl. The PQL limit typically applied to ICB results does not apply in this application, since the results are used only to determine background concentrations and are subtracted from all calculated results.

**Breakthrough effect**

Breakthrough effect: If the value for a sample is greater than the reporting limit (10 ug/L), the result for the second slug should not be greater than 25% of the combined value of the first and second slug. Results which do not meet these criteria are designated with a "Fail" comment in the Breakthrough effect column on the Logbook page; however, the "fail" designation is not applicable for samples with a result of less than 10 ug/L.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.



**SAMPLE RECEIPT & REVIEW FORM**

Client: MERI SDG/AR/COC/Work Order: 728698 GEL PM: OS  
 Received By: Thyasia Tatum Date Received at GEL: 6/12/25  
 Carrier (Circle Applicable) FedEx Express FedEx Ground UPS Field Services Courier Client Other: IR Temp gun # IR2-23 Daily Calibration Performed (Y)N

| Tracking Number           | Temp (C)    | If over 6 °C, check if samples do not require cold preservation (ie radiochem only). | Tracking Number           | Temp (C)   | If over 6 °C, check if samples do not require cold preservation (ie radiochem only). |
|---------------------------|-------------|--|---------------------------|------------|--|
| <u>124664770361757032</u> | <u>10°C</u> | <input checked="" type="checkbox"/>  | <u>124664770161229080</u> | <u>2°C</u> | <input type="checkbox"/>   |
|                           |             |  |                           |            |  |
|                           |             |  |                           |            |  |
|                           |             |  |                           |            |  |

**Suspected Hazard Information**

Yes  No \*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.

A) Shipped as a DOT Hazardous?  Hazard Class Shipped: \_\_\_\_\_ UN#: \_\_\_\_\_  
 B) Did the client designate the samples are to be received as radioactive?  If UN2910, Is the Radioactive Shipment Survey Compliant? Yes \_\_\_ No \_\_\_  
 C) Did the RSO classify the samples as radioactive?  COC notation or radioactive stickers on containers equal client designation.  
 Maximum Net Counts Observed\* (Observed Counts - Area Background Counts): 0 CPM mR/Hr  
 Classified as: Rad 1 Rad 2 Rad 3  
 If yes, select Hazards below: PCDS Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other: \_\_\_\_\_  
 D) Are there any sample hazards to document?   
 E) Was a SDS received and reviewed by Lab Safety?  Circle Applicable: See additional Comments below. No additional comments needed after review.

| Sample Receipt Criteria  | Yes                                 | NA                                  | No                       | Comments/Qualifiers (Required for Non-Conforming Items)  |
|--|-------------------------------------|-------------------------------------|--------------------------|--|
| 1 Shipping containers received intact and sealed?  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)   |
| 2 Chain of custody documents included with shipment?   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Client contacted and provided COC COC created upon receipt  |
| 3 If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Preservation Method: <u>Wet Ice</u> Ice Packs Dry Ice None Other: _____<br>*all temperatures recorded next to tracking numbers are in Celcius  |
| 4 Sample containers intact and sealed?   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Seals broken Damaged container Leaking container Other (describe)   |
| 5 Samples requiring chemical preservation at proper pH?                                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Preserved per COC request or list Sample IDs and Containers Affected:<br>If Preservation added, Lot#: _____  |
| 6 Do any samples require Volatile Analysis? (If yes, answer all three additional questions.) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | If Yes, are Encores or Soil Kits present? Yes ___ No ___ (If yes, take to VOA Freezer)<br>Do liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (If unknown, select No)<br>Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___<br>Sample IDs and containers affected: _____ |
| 7 Samples received within holding time?  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | IDs and tests affected: _____  |
| 8 Sample IDs on COC match IDs on bottles?  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | IDs and containers affected: _____   |
| 9 Date & time on COC match date & time on bottles?   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)   |
| 10 Number of containers received match number indicated on COC?                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)  |
| 11 Are sample containers identifiable as GEL provided by use of GEL labels?                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 12 COC form is properly signed in relinquished/received sections?                            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Not relinquished Other (describe)   |

Comments:

PM (or PMA) review: Initials AM Date 6/13/25  
 Continuation Form Required when selected

**List of current GEL Certifications as of 23 June 2025**

| <b>State</b>              | <b>Certification</b> |
|---------------------------|----------------------|
| Alabama                   | 42200                |
| Alaska                    | 17-018               |
| Alaska Drinking Water     | SC00012              |
| Arkansas                  | 88-00651             |
| CLIA                      | 42D0904046           |
| California                | 2940                 |
| Colorado                  | SC00012              |
| Connecticut               | PH-0169              |
| DoD ELAP/ ISO17025 A2LA   | 2567.01              |
| Florida NELAP             | E87156               |
| Foreign Soils Permit      | 525-24-281-19660     |
| Georgia                   | SC00012              |
| Georgia SDWA              | 967                  |
| Hawaii                    | SC00012              |
| Idaho                     | SC00012              |
| Illinois NELAP            | 200029               |
| Indiana                   | C-SC-01              |
| Kansas NELAP              | E-10332              |
| Kentucky SDWA             | KY90129              |
| Kentucky Wastewater       | KY90129              |
| Louisiana Drinking Water  | LA024                |
| Louisiana NELAP           | 03046 (AI33904)      |
| Maine                     | 2023019              |
| Maryland                  | 270                  |
| Massachusetts             | M-SC012              |
| Massachusetts PFAS Approv | Letter               |
| Michigan                  | 9976                 |
| Mississippi               | SC00012              |
| Nebraska                  | NE-OS-26-13          |
| Nevada                    | NV-C24-00175         |
| New Hampshire NELAP       | 205424               |
| New Jersey NELAP          | SC002                |
| New Mexico                | SC00012              |
| New York NELAP            | 11501                |
| North Carolina            | 233                  |
| North Carolina SDWA       | 45709                |
| North Dakota              | R-158                |
| Oklahoma                  | 2023-152             |
| Pennsylvania NELAP        | 68-00485             |
| Puerto Rico               | SC00012              |
| S. Carolina Radiochem     | 10120002             |
| Sanitation Districts of L | 9255651              |
| South Carolina Chemistry  | 10120001             |
| Tennessee                 | TN 02934             |
| Texas NELAP               | T104704235           |
| Utah NELAP                | SC000122024-45       |
| Vermont                   | VT87156              |
| Virginia NELAP            | 460202               |
| Washington                | C780                 |



# Quality Control Report

Report ID: QC-S75522-01  
Generated on 06/24/2025

Report to

Attention: Clifford Yantz  
Ramboll Americas  
2090 Commonwealth Blvd  
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:

Report Produced by

Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S75522.01-S75522.02  
Project: RACER Coldwater Road  
Submitted Date/Time: 06/10/2025 15:30  
Sampled by: Savannah Thielbar  
P.O. #: 1940011180 TASK 001

QC Report Sections

- Cover Page (Page 1)
- Analysis Summary (Pages 2-3)
- Prep Batch Summary (Page 4)
- Surrogates per Lab Sample (Pages 5-6)
- Surrogates per QC Sample (Page 7)
- Batch QC Results (Pages 8-21)

Report Flag Descriptions

- \*: QC result is outside of indicated control limits
- W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball  
Quality Assurance Manager

## QC Report - Analysis Summary

**Lab Sample ID: S75522.01**

Sample Tag: Equipment Blank-20250610

Collected Date/Time: 06/10/2025 08:20

Matrix: Groundwater

COC Reference: 177646

| Analysis                     | Method           | Run Date/Time  | Batch ID       | Prep ID        | Surr | QC Types          |
|------------------------------|------------------|----------------|----------------|----------------|------|-------------------|
| <b>Inorganics</b>            |                  |                |                |                |      |                   |
| Chloride                     | E300.0           | 06/11/25 11:50 | CL250611-W1-A  | CL250611-W1-A  | No   | BLK/LCS/MS/MSD/DU |
| Conductivity                 | E120.1           | 06/12/25 13:48 | COND250612-W1  | COND250612-W1  | No   | BLK/LCS/DUP       |
| Cyanide, Total               | E335.4/SM4500-CN | 06/20/25 23:42 | CN250620-W1    | CN250620-W1    | No   | BLK/LCS/MS/DUP    |
| Phenols                      | E420.1           | 06/12/25 16:36 | PHL250612-W1   | PHL250612-W1   | No   | BLK/LCS/MS/DUP    |
| Sulfate                      | E300.0           | 06/11/25 11:50 | SFT250611-W1-A | SFT250611-W1-A | No   | BLK/LCS/MS/MSD/DU |
| TOC                          | SM5310C          | 06/11/25 19:54 | TOC250611-W1   | TOC250611-W1   | No   | BLK/LCS/MS/MSD/DU |
| <b>Metals</b>                |                  |                |                |                |      |                   |
| Chromium                     | E200.8           | 06/13/25 12:12 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Copper                       | E200.8           | 06/13/25 12:12 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Iron                         | E200.8           | 06/13/25 12:12 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Manganese                    | E200.8           | 06/13/25 12:12 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Nickel                       | E200.8           | 06/13/25 12:12 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| Sodium                       | E200.8           | 06/13/25 15:04 | MT4-25-0613B   | MTD-061325-5   | No   | BLK/LCS/MS/MSD    |
| Zinc                         | E200.8           | 06/13/25 12:12 | MT4-25-0613A   | MTD-061325-3   | No   | BLK/LCS/MS/MSD    |
| <b>Organics - Volatiles</b>  |                  |                |                |                |      |                   |
| Volatile Organics - DEQ List | SW5030C/8260C    | 06/17/25 04:10 | 250616B7       | VF250616W3     | Yes  | BLK/LCS/LCSD      |

# QC Report - Analysis Summary

**Lab Sample ID: S75522.02**

Sample Tag: Trip Blank-20250610

Collected Date/Time: 06/10/2025 00:01

Matrix: Water

COC Reference: 177646

| Analysis                     | Method        | Run Date/Time  | Batch ID | Prep ID    | Surr | QC Types     |
|------------------------------|---------------|----------------|----------|------------|------|--------------|
| <b>Organics - Volatiles</b>  |               |                |          |            |      |              |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/17/25 02:36 | 250616B7 | VF250616W3 | Yes  | BLK/LCS/LCSD |

## QC Report - Prep Batch Summary

### Inorganics, Prep Batch ID: CL250611-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID      |
|-----------|----------|--------|----------------|---------------|
| S75522.01 | Chloride | E300.0 | 06/11/25 11:50 | CL250611-W1-A |

### Inorganics, Prep Batch ID: CN250620-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis       | Method                         | Run Date/Time  | Batch ID    |
|-----------|----------------|--------------------------------|----------------|-------------|
| S75522.01 | Cyanide, Total | E335.4/SM4500-CN06/20/25 23:42 | 06/20/25 23:42 | CN250620-W1 |

### Inorganics, Prep Batch ID: COND250612-W1

Surrogates: No, QC Types: BLK/LCS/DUP

| Sample ID | Analysis     | Method | Run Date/Time  | Batch ID      |
|-----------|--------------|--------|----------------|---------------|
| S75522.01 | Conductivity | E120.1 | 06/12/25 13:48 | COND250612-W1 |

### Inorganics, Prep Batch ID: PHL250612-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID     |
|-----------|----------|--------|----------------|--------------|
| S75522.01 | Phenols  | E420.1 | 06/12/25 16:36 | PHL250612-W1 |

### Inorganics, Prep Batch ID: SFT250611-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID       |
|-----------|----------|--------|----------------|----------------|
| S75522.01 | Sulfate  | E300.0 | 06/11/25 11:50 | SFT250611-W1-A |

### Inorganics, Prep Batch ID: TOC250611-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

| Sample ID | Analysis | Method  | Run Date/Time  | Batch ID     |
|-----------|----------|---------|----------------|--------------|
| S75522.01 | TOC      | SM5310C | 06/11/25 19:54 | TOC250611-W1 |

### Metals, Prep Batch ID: MTD-061325-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis  | Method | Run Date/Time  | Batch ID     |
|-----------|-----------|--------|----------------|--------------|
| S75522.01 | Chromium  | E200.8 | 06/13/25 12:12 | MT4-25-0613A |
| S75522.01 | Copper    | E200.8 | 06/13/25 12:12 | MT4-25-0613A |
| S75522.01 | Iron      | E200.8 | 06/13/25 12:12 | MT4-25-0613A |
| S75522.01 | Manganese | E200.8 | 06/13/25 12:12 | MT4-25-0613A |
| S75522.01 | Nickel    | E200.8 | 06/13/25 12:12 | MT4-25-0613A |
| S75522.01 | Zinc      | E200.8 | 06/13/25 12:12 | MT4-25-0613A |

### Metals, Prep Batch ID: MTD-061325-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

| Sample ID | Analysis | Method | Run Date/Time  | Batch ID     |
|-----------|----------|--------|----------------|--------------|
| S75522.01 | Sodium   | E200.8 | 06/13/25 15:04 | MT4-25-0613B |

### Organics - Volatiles, Prep Batch ID: VF250616W3

Surrogates: Yes, QC Types: BLK/LCS/LCSD

| Sample ID | Analysis                     | Method        | Run Date/Time  | Batch ID |
|-----------|------------------------------|---------------|----------------|----------|
| S75522.01 | Volatile Organics - DEQ List | SW5030C/8260C | 06/17/25 04:10 | 250616B7 |
| S75522.02 | Volatile Organics - DEQ List | SW5030C/8260C | 06/17/25 02:36 | 250616B7 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75522.01

Sample Tag: Equipment Blank-20250610

Collected Date/Time: 06/10/2025 08:20

Matrix: Groundwater

COC Reference: 177646

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250616B7, Run Date: 06/17/2025 04:10, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 105.0 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 97.9  | 72.0 | 125.0 |
| Toluene-D8            |       | 100.0 | 89.0 | 112.0 |

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S75522.02

Sample Tag: Trip Blank-20250610

Collected Date/Time: 06/10/2025 00:01

Matrix: Water

COC Reference: 177646

## Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250616B7, Run Date: 06/17/2025 02:36, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 103.2 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 98.2  | 72.0 | 125.0 |
| Toluene-D8            |       | 100.2 | 89.0 | 112.0 |

# QC Report - Surrogates per QC Sample

## Organics - Volatiles, Prep Batch ID: VF250616W3

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: 250616B7.BLKW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 02:12, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 103.5 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 100.3 | 72.0 | 125.0 |
| Toluene-D8            |       | 99.3  | 89.0 | 112.0 |

### Laboratory Control Sample (LCS)

Lab Sample ID: 250616B7.LCSW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 00:37, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 100.6 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 96.7  | 72.0 | 125.0 |
| Toluene-D8            |       | 100.4 | 89.0 | 112.0 |

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250616B7.LCSDW16B, Parent Sample ID: 250616B7.LCSW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 01:00, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Surrogate             | Flags | %Rec  | LCL  | UCL   |
|-----------------------|-------|-------|------|-------|
| 4-Bromofluorobenzene  |       | 100.1 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 |       | 101.6 | 72.0 | 125.0 |
| Toluene-D8            |       | 99.1  | 89.0 | 112.0 |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CL250611-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: CL250611-W1-A.LRB1

Run in Batch: CL250611-W1-A, Run Date: 06/11/2025 14:06, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte  | Flags | Conc | RDL | Units |
|----------|-------|------|-----|-------|
| Chloride |       | ND   | 1.0 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: CL250611-W1-A.LCS1

Run in Batch: CL250611-W1-A, Run Date: 06/11/2025 11:30, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte  | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chloride |       | 99.0  | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: CL250611-W1-A.MS1, Parent Sample ID: S75522.01

Run in Batch: CL250611-W1-A, Run Date: 06/11/2025 13:36, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chloride |       | 102.5 | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: CL250611-W1-A.MSD1, Parent Sample ID: CL250611-W1-A.MS1

Run in Batch: CL250611-W1-A, Run Date: 06/11/2025 13:46, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chloride |       | 102.1 | 80  | 120 | 0   | 15     |

### Duplicate (DUP)

Lab Sample ID: CL250611-W1-A.DP1, Parent Sample ID: S75522.01

Run in Batch: CL250611-W1-A, Run Date: 06/11/2025 13:23, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 10

| Analyte  | Flags | RPD | RPD CL |
|----------|-------|-----|--------|
| Chloride |       | NC  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CN250620-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: CN250620-W1.LRB1

Run in Batch: CN250620-W1, Run Date: 06/20/2025 23:15, Prep Date: 06/20/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | Conc | RDL   | Units |
|----------------|-------|------|-------|-------|
| Cyanide, Total |       | ND   | 0.004 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250620-W1.LCS1

Run in Batch: CN250620-W1, Run Date: 06/20/2025 23:16, Prep Date: 06/20/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 102   | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: CN250620-W1.LCS2

Run in Batch: CN250620-W1, Run Date: 06/20/2025 23:17, Prep Date: 06/20/2025, Matrix: Liquid, Dilution: 1

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total |       | 99    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: CN250620-W1.MS1, Parent Sample ID: S75439.04

Run in Batch: CN250620-W1, Run Date: 06/20/2025 23:18, Prep Date: 06/20/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | % Rec | LCL | UCL |
|----------------|-------|-------|-----|-----|
| Cyanide, Total | *     | 80    | 90  | 110 |

### Duplicate (DUP)

Lab Sample ID: CN250620-W1.DP1, Parent Sample ID: S75439.04

Run in Batch: CN250620-W1, Run Date: 06/20/2025 23:19, Prep Date: 06/20/2025, Matrix: Liquid, Dilution: 2

| Analyte        | Flags | RPD | RPD CL |
|----------------|-------|-----|--------|
| Cyanide, Total |       | NC  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: COND250612-W1

Surrogates: No, QC Types: BLK/LCS/DUP

### Blank (BLK)

Lab Sample ID: COND250612-W1.LRB1

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:00, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | Conc | RDL | Units |
|--------------|-------|------|-----|-------|
| Conductivity |       | ND   | 1   | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: COND250612-W1.LCS1

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:06, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | % Rec | LCL | UCL |
|--------------|-------|-------|-----|-----|
| Conductivity |       | 98    | 90  | 110 |

### Laboratory Control Sample (LCS)

Lab Sample ID: COND250612-W1.LCS2

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:08, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte      | Flags | % Rec | LCL | UCL |
|--------------|-------|-------|-----|-----|
| Conductivity |       | 92    | 90  | 110 |

### Duplicate (DUP)

Lab Sample ID: COND250612-W1.DP1, Parent Sample ID: S75370.01

Run in Batch: COND250612-W1, Run Date: 06/12/2025 13:12, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 6

| Analyte      | Flags | RPD | RPD CL |
|--------------|-------|-----|--------|
| Conductivity |       | 0   | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: PHL250612-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: PHL250612-W1.LRB1

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:00, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL  | Units |
|---------|-------|------|------|-------|
| Phenols |       | ND   | 0.01 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: PHL250612-W1.LCS1

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:06, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Phenols |       | 97    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: PHL250612-W1.MS1, Parent Sample ID: S75412.02

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:14, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Phenols |       | 92    | 80  | 120 |

### Duplicate (DUP)

Lab Sample ID: PHL250612-W1.DP1, Parent Sample ID: S75412.01

Run in Batch: PHL250612-W1, Run Date: 06/12/2025 16:10, Prep Date: 06/12/2025, Matrix: Liquid, Dilution: 1.7

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| Phenols |       | <1  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: SFT250611-W1-A

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: SFT250611-W1-A.LRB1

Run in Batch: SFT250611-W1-A, Run Date: 06/11/2025 14:06, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|---------|-------|------|-----|-------|
| Sulfate |       | ND   | 1.0 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: SFT250611-W1-A.LCS1

Run in Batch: SFT250611-W1-A, Run Date: 06/11/2025 11:30, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sulfate |       | 101.0 | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: SFT250611-W1-A.MS1, Parent Sample ID: S75522.01

Run in Batch: SFT250611-W1-A, Run Date: 06/11/2025 13:36, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sulfate |       | 96.9  | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: SFT250611-W1-A.MSD1, Parent Sample ID: SFT250611-W1-A.MS1

Run in Batch: SFT250611-W1-A, Run Date: 06/11/2025 13:46, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sulfate |       | 99.2  | 80  | 120 | 2   | 15     |

### Duplicate (DUP)

Lab Sample ID: SFT250611-W1-A.DP1, Parent Sample ID: S75522.01

Run in Batch: SFT250611-W1-A, Run Date: 06/11/2025 13:23, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| Sulfate |       | NC  | 15     |

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: TOC250611-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: TOC250611-W1.LRB1

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 12:39, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|---------|-------|------|-----|-------|
| TOC     |       | ND   | 1   | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: TOC250611-W1.LCS1

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 13:32, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC     |       | 98    | 90  | 110 |

### Matrix Spike (MS)

Lab Sample ID: TOC250611-W1.MS1, Parent Sample ID: S75412.02

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 15:08, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC     |       | 100   | 80  | 120 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: TOC250611-W1.MSD1, Parent Sample ID: TOC250611-W1.MS1

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 15:32, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| TOC     |       | 100   | 80  | 120 | 0   | 15     |

### Duplicate (DUP)

Lab Sample ID: TOC250611-W1.DP1, Parent Sample ID: S75412.01

Run in Batch: TOC250611-W1, Run Date: 06/11/2025 14:21, Prep Date: 06/11/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | RPD | RPD CL |
|---------|-------|-----|--------|
| TOC     |       | 9   | 15     |

## QC Report - Batch QC Results

**Metals, Prep Batch ID: MTD-061325-3**

Surrogates: No, QC Types: BLK/LCS/MS/MSD

**Blank (BLK)**

Lab Sample ID: MT4-25-0613A.021.LRB

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 11:45, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte   | Flags | Conc | RDL   | Units |
|-----------|-------|------|-------|-------|
| Chromium  |       | ND   | 0.001 | mg/L  |
| Copper    |       | ND   | 0.001 | mg/L  |
| Iron      |       | ND   | 0.004 | mg/L  |
| Manganese |       | ND   | 0.001 | mg/L  |
| Nickel    |       | ND   | 0.001 | mg/L  |
| Zinc      |       | ND   | 0.001 | mg/L  |

**Laboratory Control Sample (LCS)**

Lab Sample ID: MT4-25-0613A.020.LCS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 11:44, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 104   | 85  | 115 |
| Copper    |       | 104   | 85  | 115 |
| Iron      |       | 106   | 85  | 115 |
| Manganese |       | 101   | 85  | 115 |
| Nickel    |       | 103   | 85  | 115 |
| Zinc      |       | 100   | 85  | 115 |

**Matrix Spike (MS)**

Lab Sample ID: MT4-25-0613A.033.MS, Parent Sample ID: S75412.01

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:06, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 115   | 75  | 125 |
| Copper    |       | 109   | 75  | 125 |
| Iron      |       | 104   | 75  | 125 |
| Manganese |       | 113   | 75  | 125 |
| Nickel    |       | 111   | 75  | 125 |
| Zinc      |       | 103   | 75  | 125 |

**Matrix Spike (MS)**

Lab Sample ID: MT4-25-0613A.047.MS, Parent Sample ID: S75520.01

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:30, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL |
|-----------|-------|-------|-----|-----|
| Chromium  |       | 117   | 75  | 125 |
| Copper    |       | 107   | 75  | 125 |
| Iron      |       | 122   | 75  | 125 |
| Manganese |       | 111   | 75  | 125 |
| Nickel    |       | 112   | 75  | 125 |
| Zinc      |       | 110   | 75  | 125 |

**Matrix Spike Duplicate (MSD)**

Lab Sample ID: MT4-25-0613A.034.MSD, Parent Sample ID: MT4-25-0613A.033.MS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:07, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte  | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chromium |       | 116   | 75  | 125 | 1   | 20     |
| Copper   |       | 110   | 75  | 125 | 1   | 20     |

# QC Report - Batch QC Results

## Metals, Prep Batch ID: MTD-061325-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

## Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: MT4-25-0613A.034.MSD, Parent Sample ID: MT4-25-0613A.033.MS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:07, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|-----------|-------|-------|-----|-----|-----|--------|
| Iron      |       | 124   | 75  | 125 | 4   | 20     |
| Manganese |       | 112   | 75  | 125 | 1   | 20     |
| Nickel    |       | 114   | 75  | 125 | 2   | 20     |
| Zinc      |       | 104   | 75  | 125 | 1   | 20     |

## Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613A.048.MSD, Parent Sample ID: MT4-25-0613A.047.MS

Run in Batch: MT4-25-0613A, Run Date: 06/13/2025 12:31, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 5

| Analyte   | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|-----------|-------|-------|-----|-----|-----|--------|
| Chromium  |       | 120   | 75  | 125 | 2   | 20     |
| Copper    |       | 115   | 75  | 125 | 3   | 20     |
| Iron      |       | 123   | 75  | 125 | 1   | 20     |
| Manganese |       | 113   | 75  | 125 | 2   | 20     |
| Nickel    |       | 115   | 75  | 125 | 2   | 20     |
| Zinc      |       | 115   | 75  | 125 | 4   | 20     |

# QC Report - Batch QC Results

## Metals, Prep Batch ID: MTD-061325-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

### Blank (BLK)

Lab Sample ID: MT4-25-0613B.015.LRB

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 14:41, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL  | Units |
|---------|-------|------|------|-------|
| Sodium  |       | ND   | 0.05 | mg/L  |

### Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0613B.014.LCS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 14:35, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 96    | 85  | 115 |

### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613B.035.MS, Parent Sample ID: S75412.05

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:00, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 98    | 75  | 125 |

### Matrix Spike (MS)

Lab Sample ID: MT4-25-0613B.051.MS, Parent Sample ID: S75412.11

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:15, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| Sodium  |       | 95    | 75  | 125 |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613B.036.MSD, Parent Sample ID: MT4-25-0613B.035.MS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:01, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sodium  |       | 98    | 75  | 125 | 0   | 20     |

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0613B.052.MSD, Parent Sample ID: MT4-25-0613B.051.MS

Run in Batch: MT4-25-0613B, Run Date: 06/13/2025 15:16, Prep Date: 06/13/2025, Matrix: Liquid, Dilution: 50

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| Sodium  |       | 95    | 75  | 125 | 0   | 20     |

# QC Report - Batch QC Results

**Organics - Volatiles, Prep Batch ID: VF250616W3**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: 250616B7.BLKW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 02:12, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | Conc | RDL   | Units |
|--------------------------------|-------|------|-------|-------|
| Diethyl ether                  |       | ND   | 1.00  | ug/l  |
| Acetone                        |       | ND   | 10.00 | ug/l  |
| Methyl iodide                  |       | ND   | 1.00  | ug/l  |
| Carbon disulfide               |       | ND   | 1.00  | ug/l  |
| tert-Methyl butyl ether (MTBE) |       | ND   | 1.00  | ug/l  |
| Acrylonitrile                  |       | ND   | 1.00  | ug/l  |
| 2-Butanone (MEK)               |       | ND   | 10.00 | ug/l  |
| Dichlorodifluoromethane        |       | ND   | 1.00  | ug/l  |
| Chloromethane                  |       | ND   | 1.00  | ug/l  |
| Vinyl chloride                 |       | ND   | 1.00  | ug/l  |
| Bromomethane                   |       | ND   | 1.00  | ug/l  |
| Chloroethane                   |       | ND   | 1.00  | ug/l  |
| Trichlorofluoromethane         |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethene             |       | ND   | 1.00  | ug/l  |
| Methylene chloride             |       | ND   | 1.00  | ug/l  |
| trans-1,2-Dichloroethene       |       | ND   | 1.00  | ug/l  |
| 1,1-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| cis-1,2-Dichloroethene         |       | ND   | 1.00  | ug/l  |
| Tetrahydrofuran                |       | ND   | 10.00 | ug/l  |
| Chloroform                     |       | ND   | 1.00  | ug/l  |
| Bromochloromethane             |       | ND   | 1.00  | ug/l  |
| 1,1,1-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| 4-Methyl-2-pentanone (MIBK)    |       | ND   | 10.00 | ug/l  |
| 2-Hexanone                     |       | ND   | 10.00 | ug/l  |
| Carbon tetrachloride           |       | ND   | 1.00  | ug/l  |
| Benzene                        |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloroethane             |       | ND   | 1.00  | ug/l  |
| Trichloroethene                |       | ND   | 1.00  | ug/l  |
| 1,2-Dichloropropane            |       | ND   | 1.00  | ug/l  |
| Bromodichloromethane           |       | ND   | 1.00  | ug/l  |
| Dibromomethane                 |       | ND   | 1.00  | ug/l  |
| cis-1,3-Dichloropropene        |       | ND   | 1.00  | ug/l  |
| Toluene                        |       | ND   | 1.00  | ug/l  |
| trans-1,3-Dichloropropene      |       | ND   | 1.00  | ug/l  |
| 1,1,2-Trichloroethane          |       | ND   | 1.00  | ug/l  |
| Tetrachloroethene              |       | ND   | 1.00  | ug/l  |
| trans-1,4-Dichloro-2-butene    |       | ND   | 1.00  | ug/l  |
| Dibromochloromethane           |       | ND   | 1.00  | ug/l  |
| 1,2-Dibromoethane              |       | ND   | 1.00  | ug/l  |
| Chlorobenzene                  |       | ND   | 1.00  | ug/l  |
| 1,1,1,2-Tetrachloroethane      |       | ND   | 1.00  | ug/l  |
| Ethylbenzene                   |       | ND   | 1.00  | ug/l  |
| p,m-Xylene                     |       | ND   | 2.00  | ug/l  |
| o-Xylene                       |       | ND   | 1.00  | ug/l  |
| Styrene                        |       | ND   | 1.00  | ug/l  |
| Isopropylbenzene               |       | ND   | 1.00  | ug/l  |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250616W3 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK) (continued)**

Lab Sample ID: 250616B7.BLKW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 02:12, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | Conc | RDL  | Units |
|-----------------------------|-------|------|------|-------|
| Bromoform                   |       | ND   | 1.00 | ug/l  |
| 1,1,2,2-Tetrachloroethane   |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichloropropane      |       | ND   | 1.00 | ug/l  |
| n-Propylbenzene             |       | ND   | 1.00 | ug/l  |
| Bromobenzene                |       | ND   | 1.00 | ug/l  |
| 1,3,5-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| tert-Butylbenzene           |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| sec-Butylbenzene            |       | ND   | 1.00 | ug/l  |
| p-Isopropyltoluene          |       | ND   | 1.00 | ug/l  |
| 1,3-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,4-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2-Dichlorobenzene         |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trimethylbenzene      |       | ND   | 1.00 | ug/l  |
| n-Butylbenzene              |       | ND   | 1.00 | ug/l  |
| Hexachloroethane            |       | ND   | 1.00 | ug/l  |
| 1,2-Dibromo-3-chloropropane |       | ND   | 1.00 | ug/l  |
| 1,2,4-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| 1,2,3-Trichlorobenzene      |       | ND   | 1.00 | ug/l  |
| Naphthalene                 |       | ND   | 1.00 | ug/l  |
| 2-Methylnaphthalene         |       | ND   | 1.00 | ug/l  |

**Laboratory Control Sample (LCS)**

Lab Sample ID: 250616B7.LCSW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 00:37, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   |
|--------------------------------|-------|-------|------|-------|
| Diethyl ether                  |       | 96.1  | 67.4 | 121.2 |
| Acetone                        |       | 99.4  | 29.9 | 161.5 |
| Methyl iodide                  |       | 100.5 | 68.8 | 116.4 |
| Carbon disulfide               |       | 95.2  | 63.8 | 137.4 |
| tert-Methyl butyl ether (MTBE) |       | 98.3  | 73.2 | 122.4 |
| Acrylonitrile                  |       | 109.9 | 69.9 | 128.9 |
| 2-Butanone (MEK)               |       | 105.8 | 44.0 | 134.4 |
| Dichlorodifluoromethane        |       | 86.3  | 10.0 | 222.8 |
| Chloromethane                  |       | 97.3  | 23.8 | 166.5 |
| Vinyl chloride                 |       | 91.7  | 43.5 | 149.1 |
| Bromomethane                   |       | 101.2 | 56.8 | 151.3 |
| Chloroethane                   |       | 97.1  | 53.4 | 149.4 |
| Trichlorofluoromethane         |       | 88.8  | 59.7 | 151.8 |
| 1,1-Dichloroethene             |       | 90.0  | 69.6 | 139.4 |
| Methylene chloride             |       | 98.8  | 73.3 | 121.1 |
| trans-1,2-Dichloroethene       |       | 99.3  | 73.6 | 129.3 |
| 1,1-Dichloroethane             |       | 98.1  | 71.5 | 126.2 |
| cis-1,2-Dichloroethene         |       | 96.0  | 76.6 | 122.1 |
| Tetrahydrofuran                |       | 102.2 | 59.0 | 117.9 |
| Chloroform                     |       | 100.2 | 78.4 | 124.0 |

## QC Report - Batch QC Results

### Organics - Volatiles, Prep Batch ID: VF250616W3 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

### Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250616B7.LCSW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 00:37, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   |
|-----------------------------|-------|-------|------|-------|
| Bromochloromethane          |       | 105.1 | 78.2 | 120.8 |
| 1,1,1-Trichloroethane       |       | 96.1  | 79.4 | 130.9 |
| 4-Methyl-2-pentanone (MIBK) |       | 101.6 | 71.6 | 125.2 |
| 2-Hexanone                  |       | 101.7 | 55.4 | 136.9 |
| Carbon tetrachloride        |       | 94.8  | 72.6 | 133.0 |
| Benzene                     |       | 99.2  | 79.9 | 124.9 |
| 1,2-Dichloroethane          |       | 98.9  | 76.0 | 126.3 |
| Trichloroethene             |       | 94.3  | 79.7 | 124.2 |
| 1,2-Dichloropropane         |       | 98.9  | 78.6 | 126.4 |
| Bromodichloromethane        |       | 98.7  | 80.4 | 128.2 |
| Dibromomethane              |       | 102.5 | 76.9 | 122.1 |
| cis-1,3-Dichloropropene     |       | 102.8 | 79.8 | 129.9 |
| Toluene                     |       | 100.3 | 79.8 | 124.5 |
| trans-1,3-Dichloropropene   |       | 102.0 | 74.0 | 131.3 |
| 1,1,2-Trichloroethane       |       | 99.9  | 78.7 | 123.1 |
| Tetrachloroethene           |       | 96.9  | 74.5 | 124.5 |
| trans-1,4-Dichloro-2-butene |       | 109.2 | 68.6 | 135.4 |
| Dibromochloromethane        |       | 100.8 | 74.6 | 127.2 |
| 1,2-Dibromoethane           |       | 98.1  | 70.3 | 133.7 |
| Chlorobenzene               |       | 101.7 | 79.2 | 122.7 |
| 1,1,1,2-Tetrachloroethane   |       | 99.6  | 80.3 | 128.2 |
| Ethylbenzene                |       | 101.4 | 79.5 | 129.1 |
| p,m-Xylene                  |       | 99.3  | 79.4 | 132.2 |
| o-Xylene                    |       | 99.7  | 80.2 | 131.0 |
| Styrene                     |       | 99.2  | 69.5 | 126.7 |
| Isopropylbenzene            |       | 99.4  | 74.4 | 121.5 |
| Bromoform                   |       | 104.5 | 69.4 | 128.0 |
| 1,1,2,2-Tetrachloroethane   |       | 102.4 | 79.8 | 126.3 |
| 1,2,3-Trichloropropane      |       | 100.1 | 78.3 | 138.8 |
| n-Propylbenzene             |       | 100.2 | 82.0 | 130.7 |
| Bromobenzene                |       | 102.8 | 78.7 | 124.6 |
| 1,3,5-Trimethylbenzene      |       | 100.4 | 81.3 | 128.9 |
| tert-Butylbenzene           |       | 98.3  | 80.7 | 128.9 |
| 1,2,4-Trimethylbenzene      |       | 100.9 | 81.4 | 130.8 |
| sec-Butylbenzene            |       | 98.0  | 77.4 | 129.8 |
| p-Isopropyltoluene          |       | 96.7  | 79.8 | 137.5 |
| 1,3-Dichlorobenzene         |       | 98.7  | 77.0 | 131.3 |
| 1,4-Dichlorobenzene         |       | 101.0 | 20.7 | 137.7 |
| 1,2-Dichlorobenzene         |       | 101.2 | 10.0 | 166.2 |
| 1,2,3-Trimethylbenzene      |       | 97.8  | 76.3 | 124.2 |
| n-Butylbenzene              |       | 100.6 | 80.0 | 133.3 |
| Hexachloroethane            |       | 98.4  | 23.8 | 138.1 |
| 1,2-Dibromo-3-chloropropane |       | 105.6 | 21.2 | 189.4 |
| 1,2,4-Trichlorobenzene      |       | 108.2 | 27.4 | 143.4 |
| 1,2,3-Trichlorobenzene      |       | 108.9 | 75.4 | 131.4 |
| Naphthalene                 |       | 107.2 | 32.9 | 135.8 |

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF250616W3 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 250616B7.LCSW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 00:37, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Analyte             | Flags | % Rec | LCL  | UCL   |
|---------------------|-------|-------|------|-------|
| 2-Methylnaphthalene |       | 114.7 | 25.5 | 165.5 |

**Laboratory Control Sample Duplicate (LCSD)**

Lab Sample ID: 250616B7.LCSDW16B, Parent Sample ID: 250616B7.LCSW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 01:00, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Analyte                        | Flags | % Rec | LCL  | UCL   | RPD | RPD CL |
|--------------------------------|-------|-------|------|-------|-----|--------|
| Diethyl ether                  |       | 95.2  | 67.4 | 121.2 | 1.0 | 30.0   |
| Acetone                        |       | 96.4  | 29.9 | 161.5 | 3.1 | 30.0   |
| Methyl iodide                  |       | 98.5  | 68.8 | 116.4 | 2.0 | 30.0   |
| Carbon disulfide               |       | 95.2  | 63.8 | 137.4 | 0.1 | 30.0   |
| tert-Methyl butyl ether (MTBE) |       | 96.6  | 73.2 | 122.4 | 1.8 | 30.0   |
| Acrylonitrile                  |       | 106.6 | 69.9 | 128.9 | 3.1 | 30.0   |
| 2-Butanone (MEK)               |       | 104.3 | 44.0 | 134.4 | 1.5 | 30.0   |
| Dichlorodifluoromethane        |       | 84.0  | 10.0 | 222.8 | 2.6 | 30.0   |
| Chloromethane                  |       | 93.6  | 23.8 | 166.5 | 3.9 | 30.0   |
| Vinyl chloride                 |       | 88.2  | 43.5 | 149.1 | 3.9 | 30.0   |
| Bromomethane                   |       | 99.4  | 56.8 | 151.3 | 1.8 | 30.0   |
| Chloroethane                   |       | 95.6  | 53.4 | 149.4 | 1.6 | 30.0   |
| Trichlorofluoromethane         |       | 88.7  | 59.7 | 151.8 | 0.1 | 30.0   |
| 1,1-Dichloroethene             |       | 87.6  | 69.6 | 139.4 | 2.7 | 30.0   |
| Methylene chloride             |       | 97.6  | 73.3 | 121.1 | 1.2 | 30.0   |
| trans-1,2-Dichloroethene       |       | 97.3  | 73.6 | 129.3 | 2.0 | 30.0   |
| 1,1-Dichloroethane             |       | 96.2  | 71.5 | 126.2 | 2.0 | 30.0   |
| cis-1,2-Dichloroethene         |       | 94.0  | 76.6 | 122.1 | 2.2 | 30.0   |
| Tetrahydrofuran                |       | 99.8  | 59.0 | 117.9 | 2.4 | 30.0   |
| Chloroform                     |       | 98.1  | 78.4 | 124.0 | 2.1 | 30.0   |
| Bromochloromethane             |       | 103.9 | 78.2 | 120.8 | 1.1 | 30.0   |
| 1,1,1-Trichloroethane          |       | 93.9  | 79.4 | 130.9 | 2.3 | 30.0   |
| 4-Methyl-2-pentanone (MIBK)    |       | 99.0  | 71.6 | 125.2 | 2.6 | 30.0   |
| 2-Hexanone                     |       | 98.8  | 55.4 | 136.9 | 2.9 | 30.0   |
| Carbon tetrachloride           |       | 89.8  | 72.6 | 133.0 | 5.5 | 30.0   |
| Benzene                        |       | 96.0  | 79.9 | 124.9 | 3.3 | 30.0   |
| 1,2-Dichloroethane             |       | 95.7  | 76.0 | 126.3 | 3.3 | 30.0   |
| Trichloroethene                |       | 90.4  | 79.7 | 124.2 | 4.2 | 30.0   |
| 1,2-Dichloropropane            |       | 95.8  | 78.6 | 126.4 | 3.2 | 30.0   |
| Bromodichloromethane           |       | 95.5  | 80.4 | 128.2 | 3.3 | 30.0   |
| Dibromomethane                 |       | 100.4 | 76.9 | 122.1 | 2.1 | 30.0   |
| cis-1,3-Dichloropropene        |       | 97.8  | 79.8 | 129.9 | 4.9 | 30.0   |
| Toluene                        |       | 95.8  | 79.8 | 124.5 | 4.6 | 30.0   |
| trans-1,3-Dichloropropene      |       | 97.4  | 74.0 | 131.3 | 4.7 | 30.0   |
| 1,1,2-Trichloroethane          |       | 94.9  | 78.7 | 123.1 | 5.1 | 30.0   |
| Tetrachloroethene              |       | 95.6  | 74.5 | 124.5 | 1.4 | 30.0   |
| trans-1,4-Dichloro-2-butene    |       | 105.5 | 68.6 | 135.4 | 3.5 | 30.0   |
| Dibromochloromethane           |       | 96.7  | 74.6 | 127.2 | 4.1 | 30.0   |
| 1,2-Dibromoethane              |       | 96.2  | 70.3 | 133.7 | 1.9 | 30.0   |
| Chlorobenzene                  |       | 97.0  | 79.2 | 122.7 | 4.8 | 30.0   |

## QC Report - Batch QC Results

### Organics - Volatiles, Prep Batch ID: VF250616W3 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

### Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250616B7.LCSDW16B, Parent Sample ID: 250616B7.LCSW16B

Run in Batch: 250616B7, Run Date: 06/17/2025 01:00, Prep Date: 06/16/2025, Matrix: WW, Dilution: 1

| Analyte                     | Flags | % Rec | LCL  | UCL   | RPD | RPD CL |
|-----------------------------|-------|-------|------|-------|-----|--------|
| 1,1,1,2-Tetrachloroethane   |       | 98.4  | 80.3 | 128.2 | 1.2 | 30.0   |
| Ethylbenzene                |       | 96.7  | 79.5 | 129.1 | 4.8 | 30.0   |
| p,m-Xylene                  |       | 95.6  | 79.4 | 132.2 | 3.8 | 30.0   |
| o-Xylene                    |       | 96.3  | 80.2 | 131.0 | 3.5 | 30.0   |
| Styrene                     |       | 95.5  | 69.5 | 126.7 | 3.8 | 30.0   |
| Isopropylbenzene            |       | 96.2  | 74.4 | 121.5 | 3.3 | 30.0   |
| Bromoform                   |       | 101.5 | 69.4 | 128.0 | 2.9 | 30.0   |
| 1,1,2,2-Tetrachloroethane   |       | 98.2  | 79.8 | 126.3 | 4.2 | 30.0   |
| 1,2,3-Trichloropropane      |       | 99.5  | 78.3 | 138.8 | 0.5 | 30.0   |
| n-Propylbenzene             |       | 96.3  | 82.0 | 130.7 | 3.9 | 30.0   |
| Bromobenzene                |       | 99.0  | 78.7 | 124.6 | 3.7 | 30.0   |
| 1,3,5-Trimethylbenzene      |       | 95.8  | 81.3 | 128.9 | 4.7 | 30.0   |
| tert-Butylbenzene           |       | 94.0  | 80.7 | 128.9 | 4.4 | 30.0   |
| 1,2,4-Trimethylbenzene      |       | 98.6  | 81.4 | 130.8 | 2.3 | 30.0   |
| sec-Butylbenzene            |       | 96.1  | 77.4 | 129.8 | 2.0 | 30.0   |
| p-Isopropyltoluene          |       | 92.8  | 79.8 | 137.5 | 4.1 | 30.0   |
| 1,3-Dichlorobenzene         |       | 96.9  | 77.0 | 131.3 | 1.9 | 30.0   |
| 1,4-Dichlorobenzene         |       | 96.9  | 20.7 | 137.7 | 4.1 | 30.0   |
| 1,2-Dichlorobenzene         |       | 99.8  | 10.0 | 166.2 | 1.4 | 30.0   |
| 1,2,3-Trimethylbenzene      |       | 95.8  | 76.3 | 124.2 | 2.1 | 30.0   |
| n-Butylbenzene              |       | 99.2  | 80.0 | 133.3 | 1.4 | 30.0   |
| Hexachloroethane            |       | 96.9  | 23.8 | 138.1 | 1.5 | 30.0   |
| 1,2-Dibromo-3-chloropropane |       | 99.6  | 21.2 | 189.4 | 5.9 | 30.0   |
| 1,2,4-Trichlorobenzene      |       | 105.6 | 27.4 | 143.4 | 2.4 | 30.0   |
| 1,2,3-Trichlorobenzene      |       | 108.0 | 75.4 | 131.4 | 0.8 | 30.0   |
| Naphthalene                 |       | 105.6 | 32.9 | 135.8 | 1.5 | 30.0   |
| 2-Methylnaphthalene         |       | 114.2 | 25.5 | 165.5 | 0.4 | 30.0   |





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 Phone (517) 332-0167 Fax (517) 332-4034  
 www.meritlabs.com

C.O.C. PAGE # 1 OF 1

**REPORT TO** **CHAIN OF CUSTODY RECORD** **INVOICE TO**

CONTACT NAME **Project Management Team**  
 COMPANY **Merit Laboratories**  
 ADDRESS **2680 East Lansing Drive**  
 CITY **East Lansing** STATE **MI** ZIP CODE **48823**  
 PHONE NO. **517-332-0167** FAX NO. P.O. NO.  
 E-MAIL ADDRESS **results@meritlabs.com** QUOTE NO.

CONTACT NAME **Julie Teague**  SAME  
 COMPANY **Merit Laboratories**  
 ADDRESS **2680 East Lansing Drive**  
 CITY **East Lansing** STATE **MI** ZIP CODE **48823**  
 PHONE NO. **517-332-0167** E-MAIL ADDRESS **juliet@meritlabs.com**

PROJECT NO./NAME **S75522** SAMPLER(S) - PLEASE PRINT/SIGN NAME  
 TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER  
 DELIVERABLES REQUIRED  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

| # Containers & Preservatives |  | TOX | Certifications  |
|------------------------------|--|-----|---|
|                              |  |     |   |
|                              |  |     | <input type="checkbox"/> OHIO VAP <input type="checkbox"/> Drinking Water |
|                              |  |     | <input type="checkbox"/> DoD <input type="checkbox"/> NPDES               |
|                              |  |     | Project Locations   |
|                              |  |     | <input type="checkbox"/> Detroit <input type="checkbox"/> New York        |
|                              |  |     | <input type="checkbox"/> Other _____                                      |
|                              |  |     | Special Instructions  |
|                              |  |     | (On Ice)  |
|                              |  |     | ** Subcontracted to   |
|                              |  |     | GEL   |
|                              |  |     | 2040 Savage Road  |
|                              |  |     | Charleston, SC 29407  |

| MERIT LAB NO.<br><small>FOR LAB USE ONLY</small> | YEAR    |      | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX | # OF BOTTLES | NONE | HCl | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH | MeOH | OTHER |
|--|---------|------|---------------------------------------|--------|--------------|------|-----|------------------|--------------------------------|------|------|-------|
|  | DATE    | TIME |                                       |        |              |      |     |                  |                                |      |      |       |
|  | 6/10/25 | 0820 | S75522.01                             | GW     | 1            |      |     |                  | 1                              |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |

RELINQUISHED BY: *Julie Teague*  Sampler DATE **6/11/25** TIME **1700**  
 RECEIVED BY: **UPS** DATE **6/11/25** TIME **1700**

RELINQUISHED BY: DATE TIME  
 RECEIVED BY: DATE TIME  
 SEAL NO. SEAL INTACT YES  NO  INITIALS  
 SEAL NO. SEAL INTACT YES  NO  INITIALS  
 NOTES: TEMP. ON ARRIVAL \_\_\_\_\_

**APPENDIX D  
GROUNDWATER SAMPLING PROGRAM QA/QC SUMMARY**

## Appendix D

### Quality Assurance/Quality Control Summary

Data verification was independently performed by Ramboll Americas Engineering Solutions, Inc. (Ramboll), to assess the groundwater monitoring data quality for samples collected during the 2025 semiannual groundwater sampling event conducted in June 2025. Data verification was utilized to confirm the quality of the field and laboratory (Merit Laboratories, Inc. (Merit) of East Lansing, Michigan, Eurofins Environment Testing America subcontract for TOC analysis, and GEL Laboratories, LLC (GEL) subcontract for TOX analysis) data. The data verification included review of: (1) laboratory documentation, (2) chain-of-custody (COC) documentation, (3) target analyte results, (4) laboratory data qualifiers, if any, (5) laboratory reporting (quantitation) limits, (6) laboratory blank analysis, and (7) quality control samples, including duplicate samples.

The results of the data verification indicated the following:

- Laboratory documentation was complete.
- Chain-of-custody (COC) documentation was complete.
- Target analyte results were reported in accordance with the project requirements.
- Laboratory blank and trip blank analysis did not indicate evidence of artifacts from the sampling or analytical process (above reporting limit [RL]), except chloroform was detected at 2 µg/l in Trip Bank-20250603. Chloroform was not detected in the associated samples; therefore, the data are as reported by the laboratory.
- Laboratory quantitation (or reporting) limits were within the project required limits for undiluted samples, except for diethyl ether, which has a target detection limit of 5 µg/l, but had a RL of 10 µg/l in the lab reports. Diethyl ether is not a target analyte for the Site; therefore, no corrective measures were taken, and the data are as reported by the laboratory.
- No elevated RLs were reported due to matrix interference. Elevated RLs were only associated with samples requiring dilution prior to analysis.
- No breakthroughs exceeding 25% for TOX samples were reported.
- The specific conductivity result from monitoring well B-23DR was analyzed outside the hold time.

The relative percent difference (RPD) for the duplicate sample results for B-18A and MW-DUP-1-20250605 (B-18A) were within acceptable limits, except for iron, which were J qualified as estimated.

Furthermore, the instrument utilized for measurement of field parameters calibrated within range (deviation from standard of less than 3 percent) for pH, oxidation reduction potential (ORP), specific conductivity (conductivity), and dissolved oxygen (DO); therefore, operated within manufacturers specifications during sample collection.

The data verification indicates that the overall usability of the groundwater monitoring data is acceptable for the intended use without further qualification or rejection of the data.

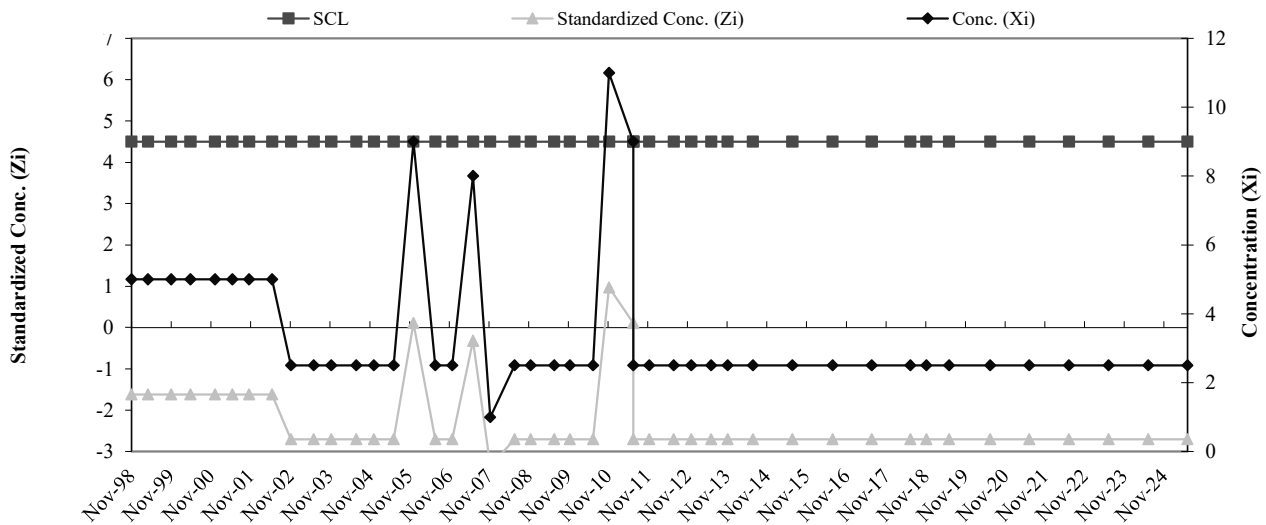
**APPENDIX E**  
**MONITORING WELL CONTROL CHARTS**

**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-2D - OBG-MW-16D Cr**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Jun-96 | 10    |      |          |
| 4             | Aug-96 | 10    |      |          |
| 5             | Nov-96 | 10    |      |          |
| 6             | May-97 | 10    |      |          |
| 7             | Nov-97 | 5     |      |          |
| 8             | May-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL  | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|------|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 5          | -1.62                   | 36 | Nov-11 | 4.50 | 2.5        | -2.70                   |
| 10 | Apr-99 | 4.5 | 5          | -1.62                   | 37 | Jun-12 | 4.50 | 2.5        | -2.70                   |
| 11 | Nov-99 | 4.5 | 5          | -1.62                   | 38 | Dec-12 | 4.50 | 2.5        | -2.70                   |
| 12 | Apr-00 | 4.5 | 5          | -1.62                   | 39 | Jun-13 | 4.50 | 2.5        | -2.70                   |
| 13 | Dec-00 | 4.5 | 5          | -1.62                   | 40 | Nov-13 | 4.50 | 2.5        | -2.70                   |
| 14 | May-01 | 4.5 | 5          | -1.62                   | 41 | Jun-14 | 4.50 | 2.5        | -2.70                   |
| 15 | Oct-01 | 4.5 | 5          | -1.62                   | 42 | Jun-15 | 4.50 | 2.5        | -2.70                   |
| 16 | May-02 | 4.5 | 5          | -1.62                   | 43 | Jun-16 | 4.50 | 2.5        | -2.70                   |
| 17 | Nov-02 | 4.5 | 2.5        | -2.70                   | 44 | Jun-17 | 4.50 | 2.5        | -2.70                   |
| 18 | Jun-03 | 4.5 | 2.5        | -2.70                   | 45 | Jun-18 | 4.50 | 2.5        | -2.70                   |
| 19 | Nov-03 | 4.5 | 2.5        | -2.70                   | 46 | Nov-18 | 4.50 | 2.5        | -2.70                   |
| 20 | Jun-04 | 4.5 | 2.5        | -2.70                   | 47 | Jun-19 | 4.50 | 2.5        | -2.70                   |
| 21 | Dec-04 | 4.5 | 2.5        | -2.70                   | 48 | Jun-20 | 4.50 | 2.5        | -2.70                   |
| 22 | Jun-05 | 4.5 | 2.5        | -2.70                   | 49 | Jun-21 | 4.50 | 2.5        | -2.70                   |
| 23 | Dec-05 | 4.5 | 9          | 0.11                    | 50 | Jun-22 | 4.50 | 2.5        | -2.70                   |
| 24 | Jun-06 | 4.5 | 2.5        | -2.70                   | 51 | Jun-23 | 4.50 | 2.5        | -2.70                   |
| 25 | Nov-06 | 4.5 | 2.5        | -2.70                   | 52 | Jun-24 | 4.50 | 2.5        | -2.70                   |
| 26 | Jun-07 | 4.5 | 8          | -0.32                   | 53 | Jun-25 | 4.50 | 2.5        | -2.70                   |
| 27 | Nov-07 | 4.5 | 1          | -3.35                   |    |        |      |            |                         |
| 28 | Jun-08 | 4.5 | 2.5        | -2.70                   |    |        |      |            |                         |
| 29 | Nov-08 | 4.5 | 2.5        | -2.70                   |    |        |      |            |                         |
| 30 | Jun-09 | 4.5 | 2.5        | -2.70                   |    |        |      |            |                         |
| 31 | Nov-09 | 4.5 | 2.5        | -2.70                   |    |        |      |            |                         |
| 32 | Jun-10 | 4.5 | 2.5        | -2.70                   |    |        |      |            |                         |
| 33 | Nov-10 | 4.5 | 11         | 0.97                    |    |        |      |            |                         |
| 34 | Jun-11 | 4.5 | 9          | 0.11                    |    |        |      |            |                         |
| 35 | Jun-11 | 4.5 | 2.5        | -2.70                   |    |        |      |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

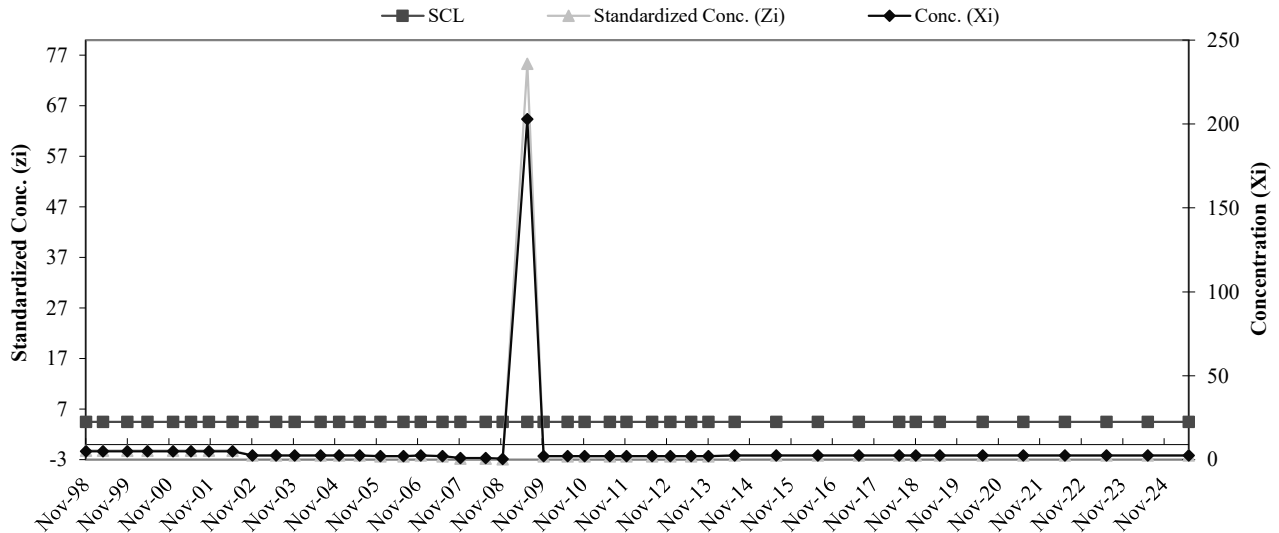


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-2D - OBG-MW-16D Cu**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 10    | <b>8.13</b> | <b>2.59</b> |
| 2             | Aug-95 | 10    |             |             |
| 3             | Jun-96 | 10    |             |             |
| 4             | Aug-96 | 10    |             |             |
| 5             | Nov-96 | 10    |             |             |
| 6             | May-97 | 5     |             |             |
| 7             | Nov-97 | 5     |             |             |
| 8             | May-98 | 5     |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 5          | -1.21                   | 35 | Nov-11 | 4.5 | 2          | -2.37                   |
| 10 | Apr-99 | 4.5 | 5          | -1.21                   | 36 | Jun-12 | 4.5 | 2          | -2.37                   |
| 11 | Nov-99 | 4.5 | 5          | -1.21                   | 37 | Dec-12 | 4.5 | 2          | -2.37                   |
| 12 | Apr-00 | 4.5 | 5          | -1.21                   | 38 | Jun-13 | 4.5 | 2          | -2.37                   |
| 13 | Dec-00 | 4.5 | 5          | -1.21                   | 39 | Nov-13 | 4.5 | 2          | -2.37                   |
| 14 | May-01 | 4.5 | 5          | -1.21                   | 40 | Jun-14 | 4.5 | 2.5        | -2.17                   |
| 15 | Oct-01 | 4.5 | 5          | -1.21                   | 41 | Jun-15 | 4.5 | 2.5        | -2.17                   |
| 16 | May-02 | 4.5 | 5          | -1.21                   | 42 | Jun-16 | 4.5 | 2.5        | -2.17                   |
| 17 | Nov-02 | 4.5 | 2.5        | -2.17                   | 43 | Jun-17 | 4.5 | 2.5        | -2.17                   |
| 18 | Jun-03 | 4.5 | 2.5        | -2.17                   | 44 | Jun-18 | 4.5 | 2.5        | -2.17                   |
| 19 | Nov-03 | 4.5 | 2.5        | -2.17                   | 45 | Nov-18 | 4.5 | 2.5        | -2.17                   |
| 20 | Jun-04 | 4.5 | 2.5        | -2.17                   | 46 | Jun-19 | 4.5 | 2.5        | -2.17                   |
| 21 | Dec-04 | 4.5 | 2.5        | -2.17                   | 47 | Jun-20 | 4.5 | 2.5        | -2.17                   |
| 22 | Jun-05 | 4.5 | 2.5        | -2.17                   | 48 | Jun-21 | 4.5 | 2.5        | -2.17                   |
| 23 | Dec-05 | 4.5 | 2          | -2.37                   | 49 | Jun-22 | 4.5 | 2.5        | -2.17                   |
| 24 | Jun-06 | 4.5 | 2          | -2.37                   | 50 | Jun-23 | 4.5 | 2.5        | -2.17                   |
| 25 | Nov-06 | 4.5 | 2.5        | -2.17                   | 51 | Jun-24 | 4.5 | 2.5        | -2.17                   |
| 26 | Jun-07 | 4.5 | 2          | -2.37                   | 52 | Jun-25 | 4.5 | 2.5        | -2.17                   |
| 27 | Nov-07 | 4.5 | 1          | -2.75                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 1          | -2.75                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 0.5        | -2.95                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 203        | 75.31                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 2          | -2.37                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 2          | -2.37                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 2          | -2.37                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 2          | -2.37                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

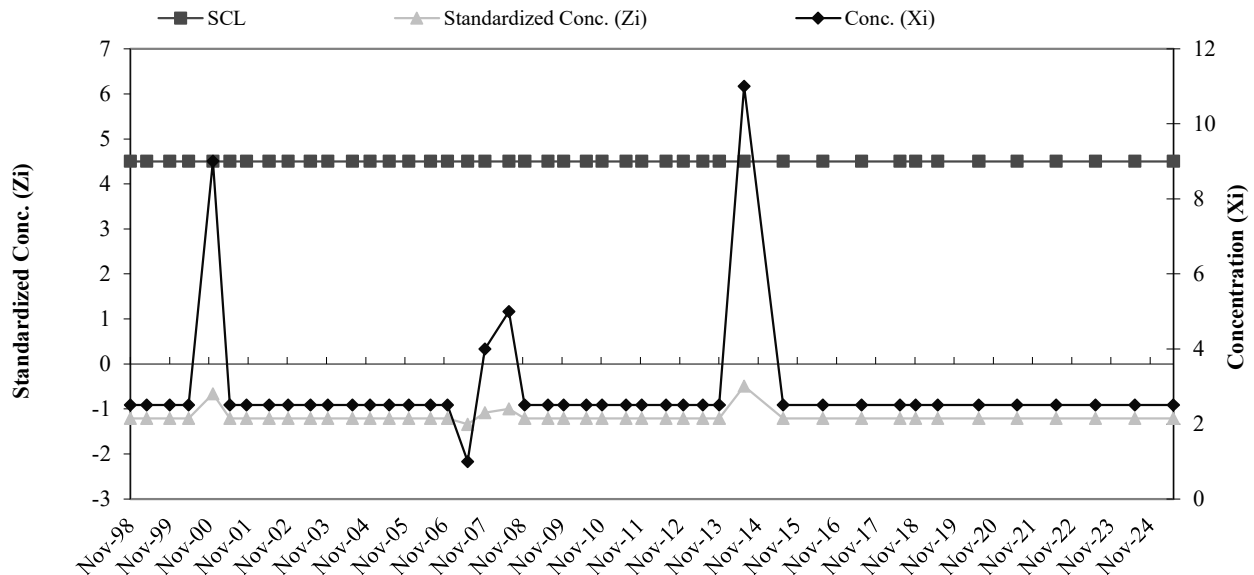


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-2D - OBG-MW-16D Ni**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 15    | <b>16.81</b> | <b>11.80</b> |
| 2             | Aug-95 | 20    |              |              |
| 3             | Jun-96 | 10    |              |              |
| 4             | Aug-96 | 10    |              |              |
| 5             | Nov-96 | 10    |              |              |
| 6             | May-97 | 28    |              |              |
| 7             | Nov-97 | 39    |              |              |
| 8             | May-98 | 2.5   |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 2.5        | -1.21                   | 35 | Nov-11 | 4.5 | 2.5        | -1.21                   |
| 10 | Apr-99 | 4.5 | 2.5        | -1.21                   | 36 | Jun-12 | 4.5 | 2.5        | -1.21                   |
| 11 | Nov-99 | 4.5 | 2.5        | -1.21                   | 37 | Dec-12 | 4.5 | 2.5        | -1.21                   |
| 12 | Apr-00 | 4.5 | 2.5        | -1.21                   | 38 | Jun-13 | 4.5 | 2.5        | -1.21                   |
| 13 | Dec-00 | 4.5 | 9          | -0.66                   | 39 | Nov-13 | 4.5 | 2.5        | -1.21                   |
| 14 | May-01 | 4.5 | 2.5        | -1.21                   | 40 | Jun-14 | 4.5 | 11         | -0.49                   |
| 15 | Oct-01 | 4.5 | 2.5        | -1.21                   | 41 | Jun-15 | 4.5 | 2.5        | -1.21                   |
| 16 | May-02 | 4.5 | 2.5        | -1.21                   | 42 | Jun-16 | 4.5 | 2.5        | -1.21                   |
| 17 | Nov-02 | 4.5 | 2.5        | -1.21                   | 43 | Jun-17 | 4.5 | 2.5        | -1.21                   |
| 18 | Jun-03 | 4.5 | 2.5        | -1.21                   | 44 | Jun-18 | 4.5 | 2.5        | -1.21                   |
| 19 | Nov-03 | 4.5 | 2.5        | -1.21                   | 45 | Nov-18 | 4.5 | 2.5        | -1.21                   |
| 20 | Jun-04 | 4.5 | 2.5        | -1.21                   | 46 | Jun-19 | 4.5 | 2.5        | -1.21                   |
| 21 | Dec-04 | 4.5 | 2.5        | -1.21                   | 47 | Jun-20 | 4.5 | 2.5        | -1.21                   |
| 22 | Jun-05 | 4.5 | 2.5        | -1.21                   | 48 | Jun-21 | 4.5 | 2.5        | -1.21                   |
| 23 | Dec-05 | 4.5 | 2.5        | -1.21                   | 49 | Jun-22 | 4.5 | 2.5        | -1.21                   |
| 24 | Jun-06 | 4.5 | 2.5        | -1.21                   | 50 | Jun-23 | 4.5 | 2.5        | -1.21                   |
| 25 | Nov-06 | 4.5 | 2.5        | -1.21                   | 51 | Jun-24 | 4.5 | 2.5        | -1.21                   |
| 26 | Jun-07 | 4.5 | 1          | -1.34                   | 52 | Jun-25 | 4.5 | 2.5        | -1.21                   |
| 27 | Nov-07 | 4.5 | 4          | -1.09                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 5          | -1.00                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 2.5        | -1.21                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 2.5        | -1.21                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 2.5        | -1.21                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 2.5        | -1.21                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 2.5        | -1.21                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 2.5        | -1.21                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

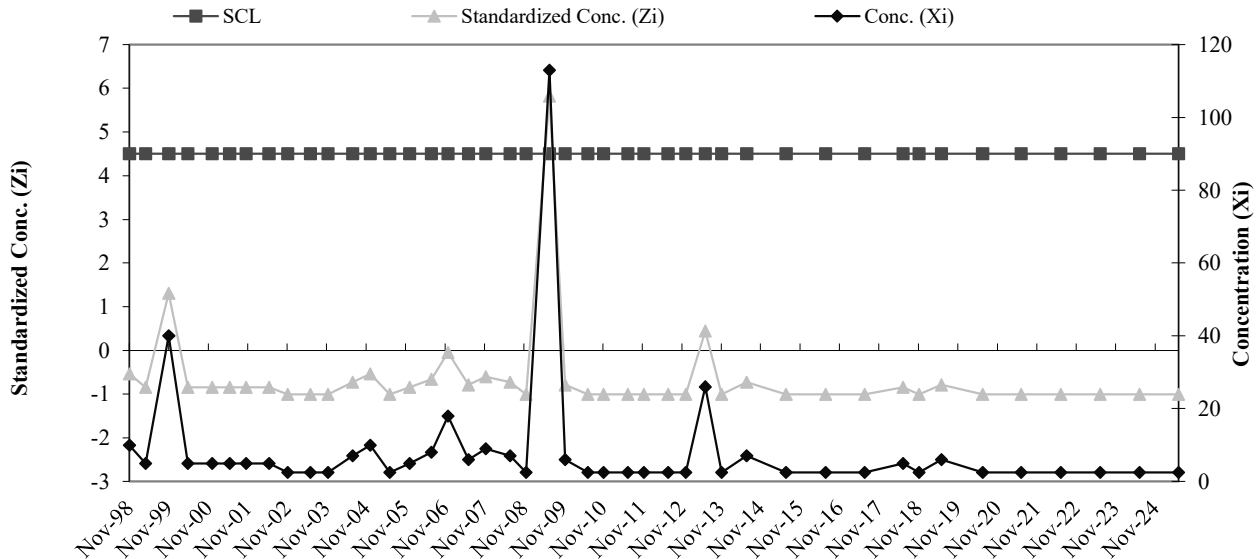


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-2D - OBG-MW-16D Zn**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 10    | <b>18.75</b> | <b>16.20</b> |
| 2             | Aug-95 | 10    |              |              |
| 3             | Jun-96 | 10    |              |              |
| 4             | Aug-96 | 50    |              |              |
| 5             | Nov-96 | 30    |              |              |
| 6             | May-97 | 30    |              |              |
| 7             | Nov-97 | 5     |              |              |
| 8             | May-98 | 5     |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 10         | -0.54                   | 35 | Nov-11 | 4.5 | 2.5        | -1.00                   |
| 10 | Apr-99 | 4.5 | 5          | -0.85                   | 36 | Jun-12 | 4.5 | 2.5        | -1.00                   |
| 11 | Nov-99 | 4.5 | 40         | 1.31                    | 37 | Dec-12 | 4.5 | 2.5        | -1.00                   |
| 12 | Apr-00 | 4.5 | 5          | -0.85                   | 38 | Jun-13 | 4.5 | 26         | 0.45                    |
| 13 | Dec-00 | 4.5 | 5          | -0.85                   | 39 | Nov-13 | 4.5 | 2.5        | -1.00                   |
| 14 | May-01 | 4.5 | 5          | -0.85                   | 40 | Jun-14 | 4.5 | 7          | -0.73                   |
| 15 | Oct-01 | 4.5 | 5          | -0.85                   | 41 | Jun-15 | 4.5 | 2.5        | -1.00                   |
| 16 | May-02 | 4.5 | 5          | -0.85                   | 42 | Jun-16 | 4.5 | 2.5        | -1.00                   |
| 17 | Nov-02 | 4.5 | 2.5        | -1.00                   | 43 | Jun-17 | 4.5 | 2.5        | -1.00                   |
| 18 | Jun-03 | 4.5 | 2.5        | -1.00                   | 44 | Jun-18 | 4.5 | 5          | -0.85                   |
| 19 | Nov-03 | 4.5 | 2.5        | -1.00                   | 45 | Nov-18 | 4.5 | 2.5        | -1.00                   |
| 20 | Jun-04 | 4.5 | 7          | -0.73                   | 46 | Jun-19 | 4.5 | 6          | -0.79                   |
| 21 | Dec-04 | 4.5 | 10         | -0.54                   | 47 | Jun-20 | 4.5 | 2.5        | -1.00                   |
| 22 | Jun-05 | 4.5 | 2.5        | -1.00                   | 48 | Jun-21 | 4.5 | 2.5        | -1.00                   |
| 23 | Dec-05 | 4.5 | 5          | -0.85                   | 49 | Jun-22 | 4.5 | 2.5        | -1.00                   |
| 24 | Jun-06 | 4.5 | 8          | -0.66                   | 50 | Jun-23 | 4.5 | 2.5        | -1.00                   |
| 25 | Nov-06 | 4.5 | 18         | -0.05                   | 51 | Jun-24 | 4.5 | 2.5        | -1.00                   |
| 26 | Jun-07 | 4.5 | 6          | -0.79                   | 52 | Jun-25 | 4.5 | 2.5        | -1.00                   |
| 27 | Nov-07 | 4.5 | 9          | -0.60                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 7          | -0.73                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 2.5        | -1.00                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 113        | 5.82                    |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 6          | -0.79                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 2.5        | -1.00                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 2.5        | -1.00                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 2.5        | -1.00                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

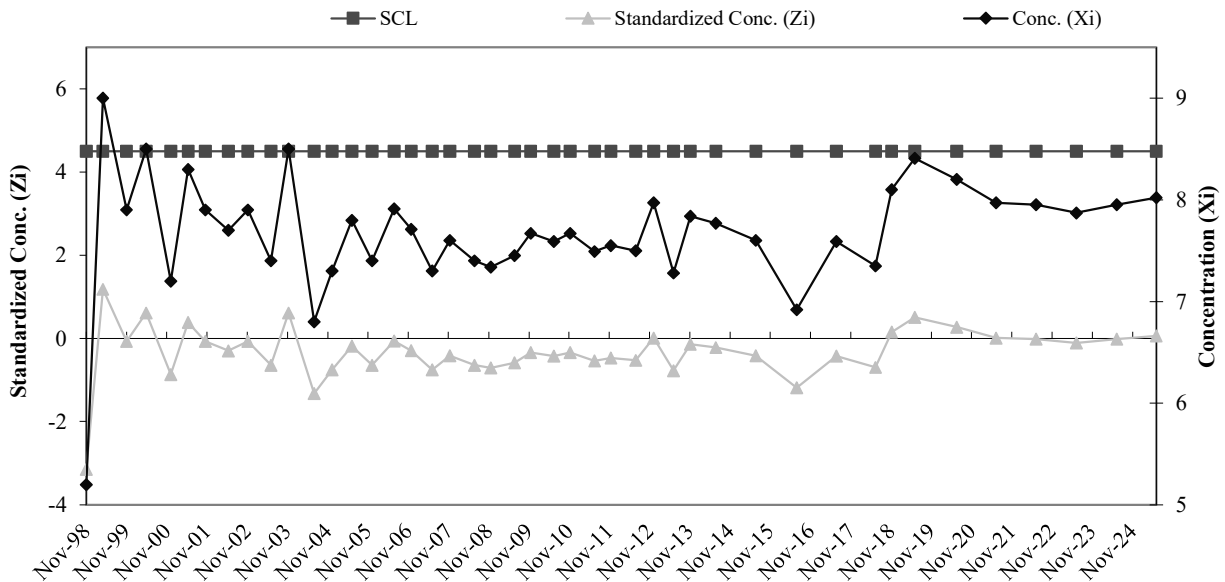


**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-2D - OBG-MW-16D pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 9.00  | 7.46 | 0.88     |
| 2             | Aug-95 | 8.30  |      |          |
| 3             | Jun-96 | 7.50  |      |          |
| 4             | Aug-96 | 7.70  |      |          |
| 5             | Nov-96 | 7.30  |      |          |
| 6             | May-97 | 6.30  |      |          |
| 7             | Nov-97 | 6.90  |      |          |
| 8             | May-98 | 6.70  |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 4.70       | -3.15                   | 35 | Nov-11 | 4.5 | 7.05       | -0.47                   |
| 10 | Apr-99 | 4.5 | 8.50       | 1.18                    | 36 | Jun-12 | 4.5 | 7.00       | -0.53                   |
| 11 | Nov-99 | 4.5 | 7.40       | -0.07                   | 37 | Dec-12 | 4.5 | 7.47       | 0.01                    |
| 12 | Apr-00 | 4.5 | 8.00       | 0.61                    | 38 | Jun-13 | 4.5 | 6.78       | -0.78                   |
| 13 | Dec-00 | 4.5 | 6.70       | -0.87                   | 39 | Nov-13 | 4.5 | 7.34       | -0.14                   |
| 14 | May-01 | 4.5 | 7.80       | 0.38                    | 40 | Jun-14 | 4.5 | 7.27       | -0.22                   |
| 15 | Oct-01 | 4.5 | 7.40       | -0.07                   | 41 | Jun-15 | 4.5 | 7.10       | -0.41                   |
| 16 | May-02 | 4.5 | 7.20       | -0.30                   | 42 | Jun-16 | 4.5 | 6.42       | -1.19                   |
| 17 | Nov-02 | 4.5 | 7.40       | -0.07                   | 43 | Jun-17 | 4.5 | 7.09       | -0.42                   |
| 18 | Jun-03 | 4.5 | 6.90       | -0.64                   | 44 | Jun-18 | 4.5 | 6.85       | -0.70                   |
| 19 | Nov-03 | 4.5 | 8.00       | 0.61                    | 45 | Nov-18 | 4.5 | 7.60       | 0.16                    |
| 20 | Jun-04 | 4.5 | 6.30       | -1.32                   | 46 | Jun-19 | 4.5 | 7.91       | 0.51                    |
| 21 | Dec-04 | 4.5 | 6.80       | -0.75                   | 47 | Jun-20 | 4.5 | 7.70       | 0.27                    |
| 22 | Jun-05 | 4.5 | 7.30       | -0.19                   | 48 | Jun-21 | 4.5 | 7.47       | 0.01                    |
| 23 | Dec-05 | 4.5 | 6.90       | -0.64                   | 49 | Jun-22 | 4.5 | 7.45       | -0.01                   |
| 24 | Jun-06 | 4.5 | 7.41       | -0.06                   | 50 | Jun-23 | 4.5 | 7.37       | -0.11                   |
| 25 | Nov-06 | 4.5 | 7.21       | -0.29                   | 51 | Jun-24 | 4.5 | 7.45       | -0.01                   |
| 26 | Jun-07 | 4.5 | 6.80       | -0.75                   | 52 | Jun-25 | 4.5 | 7.52       | 0.07                    |
| 27 | Nov-07 | 4.5 | 7.10       | -0.41                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 6.90       | -0.64                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 6.84       | -0.71                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 6.95       | -0.58                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 7.17       | -0.33                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 7.09       | -0.42                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 7.17       | -0.33                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 6.99       | -0.54                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

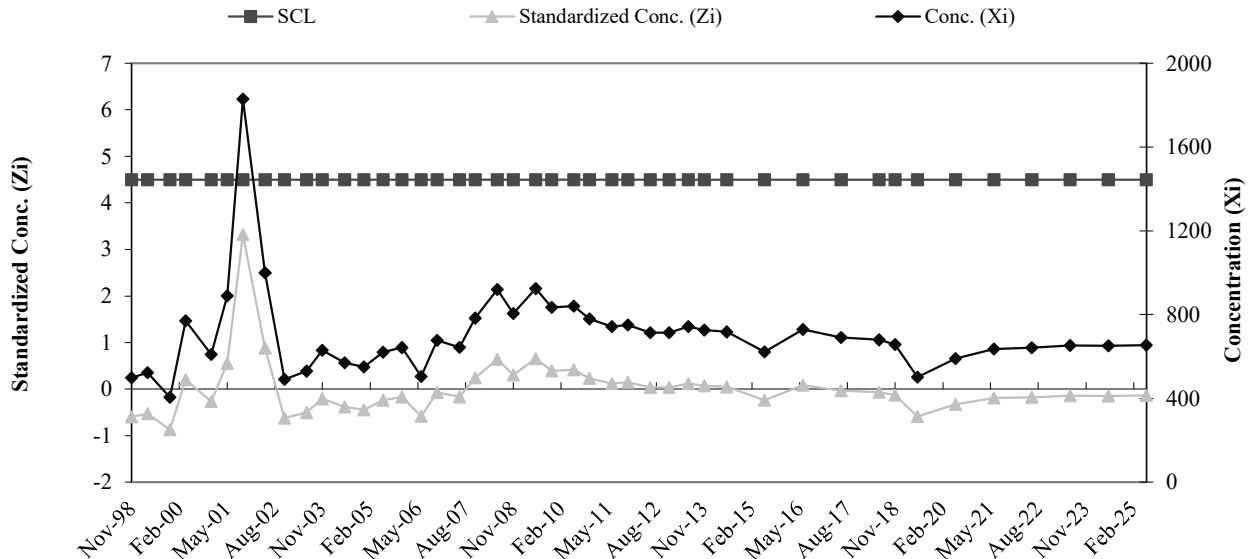


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-2D - OBG-MW-16D SpC**

| Baseline Data |        |        |               |               |
|---------------|--------|--------|---------------|---------------|
| Ti            | Date   | Conc.  | Mean          | Std. Dev      |
| 1             | Jun-95 | 434.0  | <b>701.50</b> | <b>339.46</b> |
| 2             | Aug-95 | 479.0  |               |               |
| 3             | Jun-96 | 580.0  |               |               |
| 4             | Aug-96 | 641.0  |               |               |
| 5             | Nov-96 | 769.0  |               |               |
| 6             | May-97 | 1500.0 |               |               |
| 7             | Nov-97 | 660.0  |               |               |
| 8             | May-98 | 549.0  |               |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 498.0      | -0.60                   | 35 | Nov-11 | 4.5 | 751.0      | 0.15                    |
| 10 | Apr-99 | 4.5 | 523.0      | -0.53                   | 36 | Jun-12 | 4.5 | 714.0      | 0.04                    |
| 11 | Nov-99 | 4.5 | 405.0      | -0.87                   | 37 | Dec-12 | 4.5 | 714.0      | 0.04                    |
| 12 | Apr-00 | 4.5 | 770.0      | 0.20                    | 38 | Jun-13 | 4.5 | 742.0      | 0.12                    |
| 13 | Dec-00 | 4.5 | 610.0      | -0.27                   | 39 | Nov-13 | 4.5 | 726.0      | 0.07                    |
| 14 | May-01 | 4.5 | 890.0      | 0.56                    | 40 | Jun-14 | 4.5 | 717.0      | 0.05                    |
| 15 | Oct-01 | 4.5 | 1830.0     | 3.32                    | 41 | Jun-15 | 4.5 | 621.0      | -0.24                   |
| 16 | May-02 | 4.5 | 1000.0     | 0.88                    | 42 | Jun-16 | 4.5 | 730.0      | 0.08                    |
| 17 | Nov-02 | 4.5 | 490.0      | -0.62                   | 43 | Jun-17 | 4.5 | 691.0      | -0.03                   |
| 18 | Jun-03 | 4.5 | 530.0      | -0.51                   | 44 | Jun-18 | 4.5 | 679.0      | -0.07                   |
| 19 | Nov-03 | 4.5 | 630.0      | -0.21                   | 45 | Nov-18 | 4.5 | 657.0      | -0.13                   |
| 20 | Jun-04 | 4.5 | 570.0      | -0.39                   | 46 | Jun-19 | 4.5 | 501.0      | -0.59                   |
| 21 | Dec-04 | 4.5 | 550.0      | -0.45                   | 47 | Jun-20 | 4.5 | 590.0      | -0.33                   |
| 22 | Jun-05 | 4.5 | 620.0      | -0.24                   | 48 | Jun-21 | 4.5 | 636.0      | -0.19                   |
| 23 | Dec-05 | 4.5 | 642.0      | -0.18                   | 49 | Jun-22 | 4.5 | 641.0      | -0.18                   |
| 24 | Jun-06 | 4.5 | 504.1      | -0.58                   | 50 | Jun-23 | 4.5 | 653.0      | -0.14                   |
| 25 | Nov-06 | 4.5 | 677.0      | -0.07                   | 51 | Jun-24 | 4.5 | 650.0      | -0.15                   |
| 26 | Jun-07 | 4.5 | 644.0      | -0.17                   | 52 | Jun-25 | 4.5 | 654.0      | -0.14                   |
| 27 | Nov-07 | 4.5 | 783.0      | 0.24                    |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 920.0      | 0.64                    |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 806.0      | 0.31                    |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 924.0      | 0.66                    |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 835.0      | 0.39                    |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 841.0      | 0.41                    |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 779.0      | 0.23                    |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 742.0      | 0.12                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean



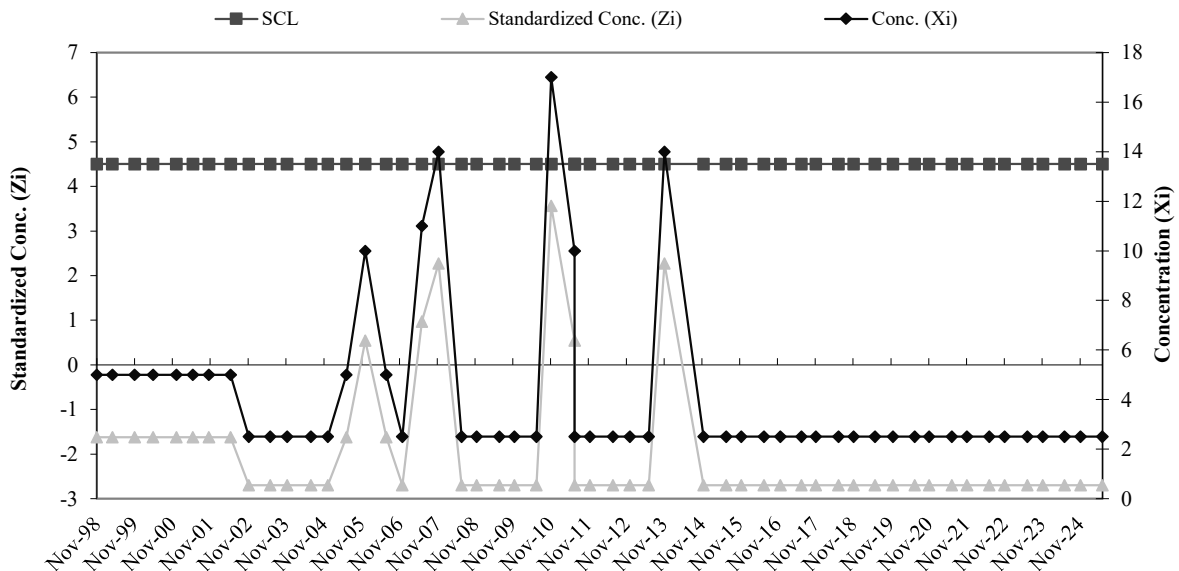
**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART**

B-7 Cr

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | May-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 5          | -1.62                   | 37 | Jun-12 | 4.5 | 2.5        | -2.70                   |
| 10 | Apr-99 | 4.5 | 5          | -1.62                   | 38 | Dec-12 | 4.5 | 2.5        | -2.70                   |
| 11 | Nov-99 | 4.5 | 5          | -1.62                   | 39 | Jun-13 | 4.5 | 2.5        | -2.70                   |
| 12 | Apr-00 | 4.5 | 5          | -1.62                   | 40 | Nov-13 | 4.5 | 14         | 2.27                    |
| 13 | Dec-00 | 4.5 | 5          | -1.62                   | 41 | Nov-14 | 4.5 | 2.5        | -2.70                   |
| 14 | May-01 | 4.5 | 5          | -1.62                   | 42 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 15 | Oct-01 | 4.5 | 5          | -1.62                   | 43 | Nov-15 | 4.5 | 2.5        | -2.70                   |
| 16 | May-02 | 4.5 | 5          | -1.62                   | 44 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 17 | Nov-02 | 4.5 | 2.5        | -2.70                   | 45 | Nov-16 | 4.5 | 2.5        | -2.70                   |
| 18 | Jun-03 | 4.5 | 2.5        | -2.70                   | 46 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 19 | Nov-03 | 4.5 | 2.5        | -2.70                   | 47 | Nov-17 | 4.5 | 2.5        | -2.70                   |
| 20 | Jun-04 | 4.5 | 2.5        | -2.70                   | 48 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 21 | Dec-04 | 4.5 | 2.5        | -2.70                   | 49 | Nov-18 | 4.5 | 2.5        | -2.70                   |
| 22 | Jun-05 | 4.5 | 5          | -1.62                   | 50 | May-19 | 4.5 | 2.5        | -2.70                   |
| 23 | Dec-05 | 4.5 | 10         | 0.54                    | 51 | Nov-19 | 4.5 | 2.5        | -2.70                   |
| 24 | Jun-06 | 4.5 | 5          | -1.62                   | 52 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 25 | Nov-06 | 4.5 | 2.5        | -2.70                   | 53 | Nov-20 | 4.5 | 2.5        | -2.70                   |
| 26 | Jun-07 | 4.5 | 11         | 0.97                    | 54 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 27 | Nov-07 | 4.5 | 14         | 2.27                    | 55 | Nov-21 | 4.5 | 2.5        | -2.70                   |
| 28 | Jun-08 | 4.5 | 2.5        | -2.70                   | 56 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 29 | Nov-08 | 4.5 | 2.5        | -2.70                   | 57 | Nov-22 | 4.5 | 2.5        | -2.70                   |
| 30 | Jun-09 | 4.5 | 2.5        | -2.70                   | 58 | Jun-23 | 4.5 | 2.5        | -2.70                   |
| 31 | Nov-09 | 4.5 | 2.5        | -2.70                   | 59 | Nov-23 | 4.5 | 2.5        | -2.70                   |
| 32 | Jun-10 | 4.5 | 2.5        | -2.70                   | 60 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 33 | Nov-10 | 4.5 | 17         | 3.56                    | 61 | Nov-24 | 4.5 | 2.5        | -2.70                   |
| 34 | Jun-11 | 4.5 | 10         | 0.54                    | 62 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 35 | Jun-11 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 36 | Nov-11 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

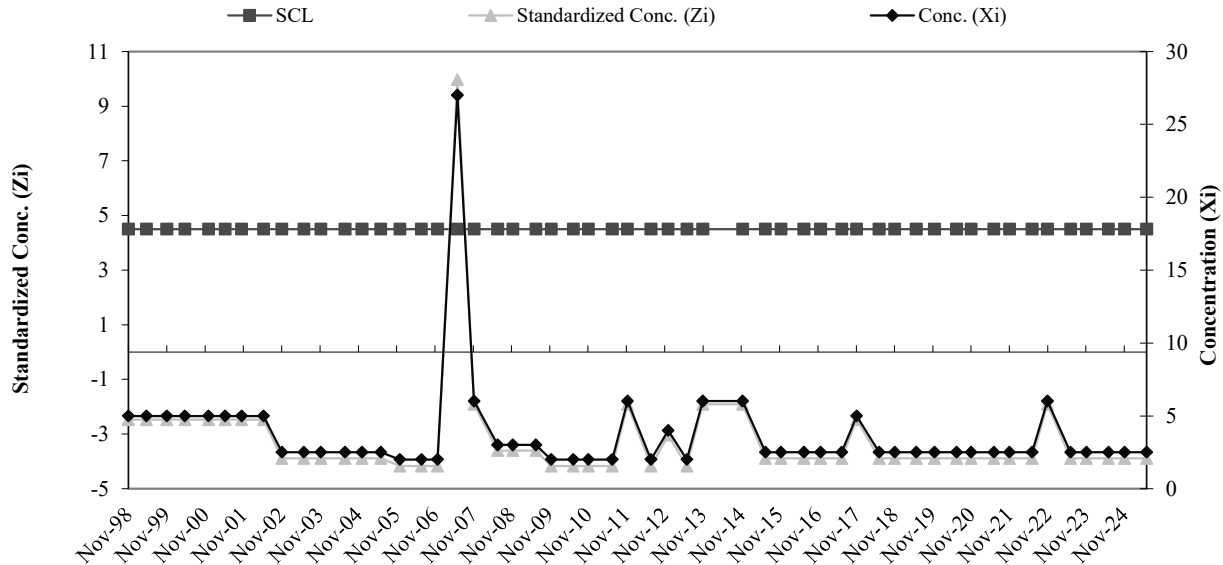


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-7 Cu**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 9.38 | 1.77     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 10    |      |          |
| 8             | May-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 5          | -2.47                   | 37 | Dec-12 | 4.5 | 4          | -3.04                   |
| 10 | Apr-99 | 4.5 | 5          | -2.47                   | 38 | Jun-13 | 4.5 | 2          | -4.17                   |
| 11 | Nov-99 | 4.5 | 5          | -2.47                   | 39 | Nov-13 | 4.5 | 6          | -1.91                   |
| 12 | Apr-00 | 4.5 | 5          | -2.47                   | 40 | Nov-14 | 4.5 | 6          | -1.91                   |
| 13 | Dec-00 | 4.5 | 5          | -2.47                   | 41 | Jun-15 | 4.5 | 2.5        | -3.89                   |
| 14 | May-01 | 4.5 | 5          | -2.47                   | 42 | Nov-15 | 4.5 | 2.5        | -3.89                   |
| 15 | Oct-01 | 4.5 | 5          | -2.47                   | 43 | Jun-16 | 4.5 | 2.5        | -3.89                   |
| 16 | May-02 | 4.5 | 5          | -2.47                   | 44 | Nov-16 | 4.5 | 2.5        | -3.89                   |
| 17 | Nov-02 | 4.5 | 2.5        | -3.89                   | 45 | Jun-17 | 4.5 | 2.5        | -3.89                   |
| 18 | Jun-03 | 4.5 | 2.5        | -3.89                   | 46 | Nov-17 | 4.5 | 5          | -2.47                   |
| 19 | Nov-03 | 4.5 | 2.5        | -3.89                   | 47 | Jun-18 | 4.5 | 2.5        | -3.89                   |
| 20 | Jun-04 | 4.5 | 2.5        | -3.89                   | 48 | Nov-18 | 4.5 | 2.5        | -3.89                   |
| 21 | Dec-04 | 4.5 | 2.5        | -3.89                   | 49 | May-19 | 4.5 | 2.5        | -3.89                   |
| 22 | Jun-05 | 4.5 | 2.5        | -3.89                   | 50 | Nov-19 | 4.5 | 2.5        | -3.89                   |
| 23 | Dec-05 | 4.5 | 2          | -4.17                   | 51 | Jun-20 | 4.5 | 2.5        | -3.89                   |
| 24 | Jun-06 | 4.5 | 2          | -4.17                   | 52 | Nov-20 | 4.5 | 2.5        | -3.89                   |
| 25 | Nov-06 | 4.5 | 2          | -4.17                   | 53 | Jun-21 | 4.5 | 2.5        | -3.89                   |
| 26 | Jun-07 | 4.5 | 27         | 9.97                    | 54 | Nov-21 | 4.5 | 2.5        | -3.89                   |
| 27 | Nov-07 | 4.5 | 6          | -1.91                   | 55 | Jun-22 | 4.5 | 2.5        | -3.89                   |
| 28 | Jun-08 | 4.5 | 3          | -3.61                   | 56 | Nov-22 | 4.5 | 6          | -1.91                   |
| 29 | Nov-08 | 4.5 | 3          | -3.61                   | 57 | Jun-23 | 4.5 | 2.5        | -3.89                   |
| 30 | Jun-09 | 4.5 | 3          | -3.61                   | 58 | Nov-23 | 4.5 | 2.5        | -3.89                   |
| 31 | Nov-09 | 4.5 | 2          | -4.17                   | 59 | Jun-24 | 4.5 | 2.5        | -3.89                   |
| 32 | Jun-10 | 4.5 | 2          | -4.17                   | 60 | Nov-24 | 4.5 | 2.5        | -3.89                   |
| 33 | Nov-10 | 4.5 | 2          | -4.17                   | 61 | Jun-25 | 4.5 | 2.5        | -3.89                   |
| 34 | Jun-11 | 4.5 | 2          | -4.17                   |    |        |     |            |                         |
| 35 | Nov-11 | 4.5 | 6          | -1.91                   |    |        |     |            |                         |
| 36 | Jun-12 | 4.5 | 2          | -4.17                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean



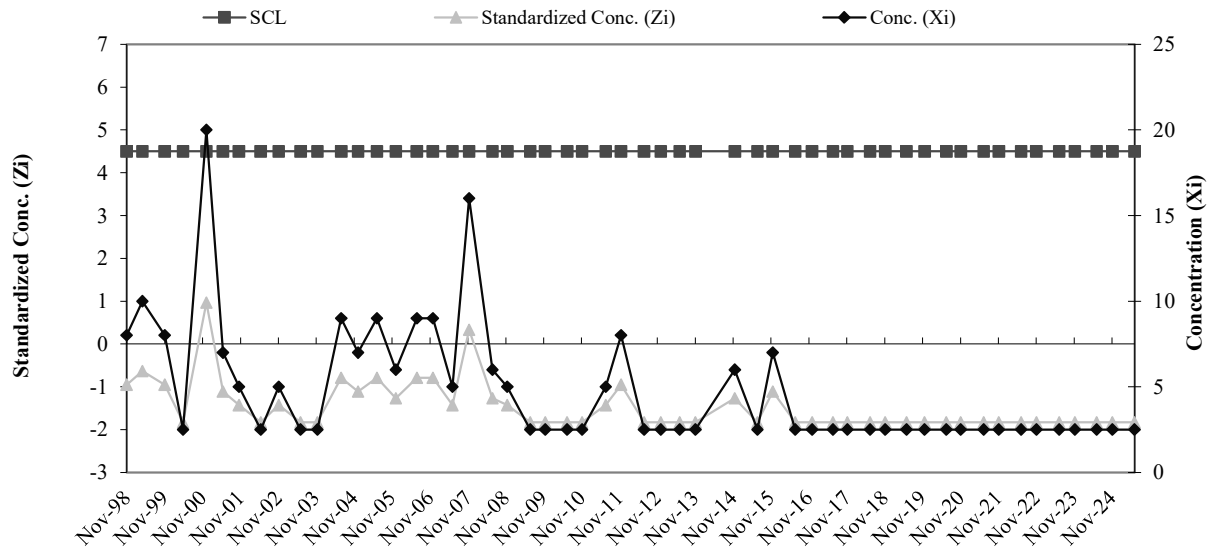
**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART**

B-7 Ni

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 15    | 13.94 | 6.25     |
| 2             | Aug-95 | 20    |       |          |
| 3             | Feb-96 | 20    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 20    |       |          |
| 7             | May-97 | 14    |       |          |
| 8             | May-98 | 2.5   |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 8          | -0.95                   | 37 | Dec-12 | 4.5 | 2.5        | -1.83                   |
| 10 | Apr-99 | 4.5 | 10         | -0.63                   | 38 | Jun-13 | 4.5 | 2.5        | -1.83                   |
| 11 | Nov-99 | 4.5 | 8          | -0.95                   | 39 | Nov-13 | 4.5 | 2.5        | -1.83                   |
| 12 | Apr-00 | 4.5 | 2.5        | -1.83                   | 40 | Nov-14 | 4.5 | 6          | -1.27                   |
| 13 | Dec-00 | 4.5 | 20         | 0.97                    | 41 | Jun-15 | 4.5 | 2.5        | -1.83                   |
| 14 | May-01 | 4.5 | 7          | -1.11                   | 42 | Nov-15 | 4.5 | 7          | -1.11                   |
| 15 | Oct-01 | 4.5 | 5          | -1.43                   | 43 | Jun-16 | 4.5 | 2.5        | -1.83                   |
| 16 | May-02 | 4.5 | 2.5        | -1.83                   | 44 | Nov-16 | 4.5 | 2.5        | -1.83                   |
| 17 | Nov-02 | 4.5 | 5          | -1.43                   | 45 | Jun-17 | 4.5 | 2.5        | -1.83                   |
| 18 | Jun-03 | 4.5 | 2.5        | -1.83                   | 46 | Nov-17 | 4.5 | 2.5        | -1.83                   |
| 19 | Nov-03 | 4.5 | 2.5        | -1.83                   | 47 | Jun-18 | 4.5 | 2.5        | -1.83                   |
| 20 | Jun-04 | 4.5 | 9          | -0.79                   | 48 | Nov-18 | 4.5 | 2.5        | -1.83                   |
| 21 | Dec-04 | 4.5 | 7          | -1.11                   | 49 | May-19 | 4.5 | 2.5        | -1.83                   |
| 22 | Jun-05 | 4.5 | 9          | -0.79                   | 50 | Nov-19 | 4.5 | 2.5        | -1.83                   |
| 23 | Dec-05 | 4.5 | 6          | -1.27                   | 51 | Jun-20 | 4.5 | 2.5        | -1.83                   |
| 24 | Jun-06 | 4.5 | 9          | -0.79                   | 52 | Nov-20 | 4.5 | 2.5        | -1.83                   |
| 25 | Nov-06 | 4.5 | 9          | -0.79                   | 53 | Jun-21 | 4.5 | 2.5        | -1.83                   |
| 26 | Jun-07 | 4.5 | 5          | -1.43                   | 54 | Nov-21 | 4.5 | 2.5        | -1.83                   |
| 27 | Nov-07 | 4.5 | 16         | 0.33                    | 55 | Jun-22 | 4.5 | 2.5        | -1.83                   |
| 28 | Jun-08 | 4.5 | 6          | -1.27                   | 56 | Nov-22 | 4.5 | 2.5        | -1.83                   |
| 29 | Nov-08 | 4.5 | 5          | -1.43                   | 57 | Jun-23 | 4.5 | 2.5        | -1.83                   |
| 30 | Jun-09 | 4.5 | 2.5        | -1.83                   | 58 | Nov-23 | 4.5 | 2.5        | -1.83                   |
| 31 | Nov-09 | 4.5 | 2.5        | -1.83                   | 59 | Jun-24 | 4.5 | 2.5        | -1.83                   |
| 32 | Jun-10 | 4.5 | 2.5        | -1.83                   | 60 | Nov-24 | 4.5 | 2.5        | -1.83                   |
| 33 | Nov-10 | 4.5 | 2.5        | -1.83                   | 61 | Jun-25 | 4.5 | 2.5        | -1.83                   |
| 34 | Jun-11 | 4.5 | 5          | -1.43                   |    |        |     |            |                         |
| 35 | Nov-11 | 4.5 | 8          | -0.95                   |    |        |     |            |                         |
| 36 | Jun-12 | 4.5 | 2.5        | -1.83                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

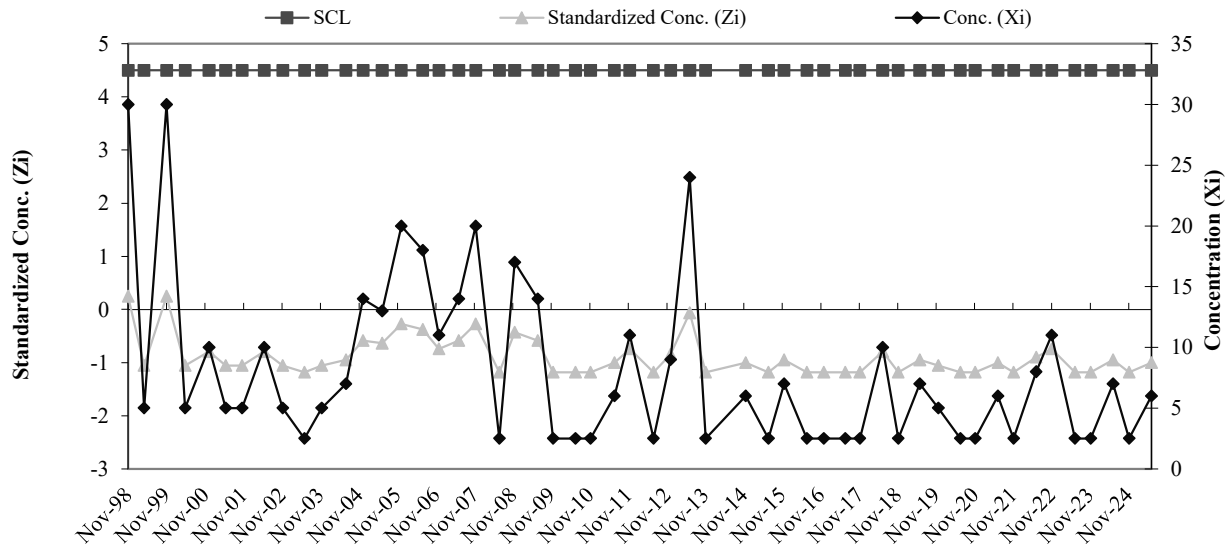


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-7 Zn**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 10    | 25.25 | 19.21    |
| 2             | Aug-95 | 10    |       |          |
| 3             | Feb-96 | 22    |       |          |
| 4             | Jun-96 | 20    |       |          |
| 5             | Aug-96 | 60    |       |          |
| 6             | Nov-96 | 50    |       |          |
| 7             | May-97 | 10    |       |          |
| 8             | May-98 | 20    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 30         | 0.25                    | 37 | Dec-12 | 4.5 | 9          | -0.85                   |
| 10 | Apr-99 | 4.5 | 5          | -1.05                   | 38 | Jun-13 | 4.5 | 24         | -0.07                   |
| 11 | Nov-99 | 4.5 | 30         | 0.25                    | 39 | Nov-13 | 4.5 | 2.5        | -1.18                   |
| 12 | Apr-00 | 4.5 | 5          | -1.05                   | 40 | Nov-14 | 4.5 | 6          | -1.00                   |
| 13 | Dec-00 | 4.5 | 10         | -0.79                   | 41 | Jun-15 | 4.5 | 2.5        | -1.18                   |
| 14 | May-01 | 4.5 | 5          | -1.05                   | 42 | Nov-15 | 4.5 | 7          | -0.95                   |
| 15 | Oct-01 | 4.5 | 5          | -1.05                   | 43 | Jun-16 | 4.5 | 2.5        | -1.18                   |
| 16 | May-02 | 4.5 | 10         | -0.79                   | 44 | Nov-16 | 4.5 | 2.5        | -1.18                   |
| 17 | Nov-02 | 4.5 | 5          | -1.05                   | 45 | Jun-17 | 4.5 | 2.5        | -1.18                   |
| 18 | Jun-03 | 4.5 | 2.5        | -1.18                   | 46 | Nov-17 | 4.5 | 2.5        | -1.18                   |
| 19 | Nov-03 | 4.5 | 5          | -1.05                   | 47 | Jun-18 | 4.5 | 10         | -0.79                   |
| 20 | Jun-04 | 4.5 | 7          | -0.95                   | 48 | Nov-18 | 4.5 | 2.5        | -1.18                   |
| 21 | Dec-04 | 4.5 | 14         | -0.59                   | 49 | May-19 | 4.5 | 7          | -0.95                   |
| 22 | Jun-05 | 4.5 | 13         | -0.64                   | 50 | Nov-19 | 4.5 | 5          | -1.05                   |
| 23 | Dec-05 | 4.5 | 20         | -0.27                   | 51 | Jun-20 | 4.5 | 2.5        | -1.18                   |
| 24 | Jun-06 | 4.5 | 18         | -0.38                   | 52 | Nov-20 | 4.5 | 2.5        | -1.18                   |
| 25 | Nov-06 | 4.5 | 11         | -0.74                   | 53 | Jun-21 | 4.5 | 6          | -1.00                   |
| 26 | Jun-07 | 4.5 | 14         | -0.59                   | 54 | Nov-21 | 4.5 | 2.5        | -1.18                   |
| 27 | Nov-07 | 4.5 | 20         | -0.27                   | 55 | Jun-22 | 4.5 | 8          | -0.90                   |
| 28 | Jun-08 | 4.5 | 2.5        | -1.18                   | 56 | Nov-22 | 4.5 | 11         | -0.74                   |
| 29 | Nov-08 | 4.5 | 17         | -0.43                   | 57 | Jun-23 | 4.5 | 2.5        | -1.18                   |
| 30 | Jun-09 | 4.5 | 14         | -0.59                   | 58 | Nov-23 | 4.5 | 2.5        | -1.18                   |
| 31 | Nov-09 | 4.5 | 2.5        | -1.18                   | 59 | Jun-24 | 4.5 | 7          | -0.95                   |
| 32 | Jun-10 | 4.5 | 2.5        | -1.18                   | 60 | Nov-24 | 4.5 | 2.5        | -1.18                   |
| 33 | Nov-10 | 4.5 | 2.5        | -1.18                   | 61 | Jun-25 | 4.5 | 6          | -1.00                   |
| 34 | Jun-11 | 4.5 | 6          | -1.00                   |    |        |     |            |                         |
| 35 | Nov-11 | 4.5 | 11         | -0.74                   |    |        |     |            |                         |
| 36 | Jun-12 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

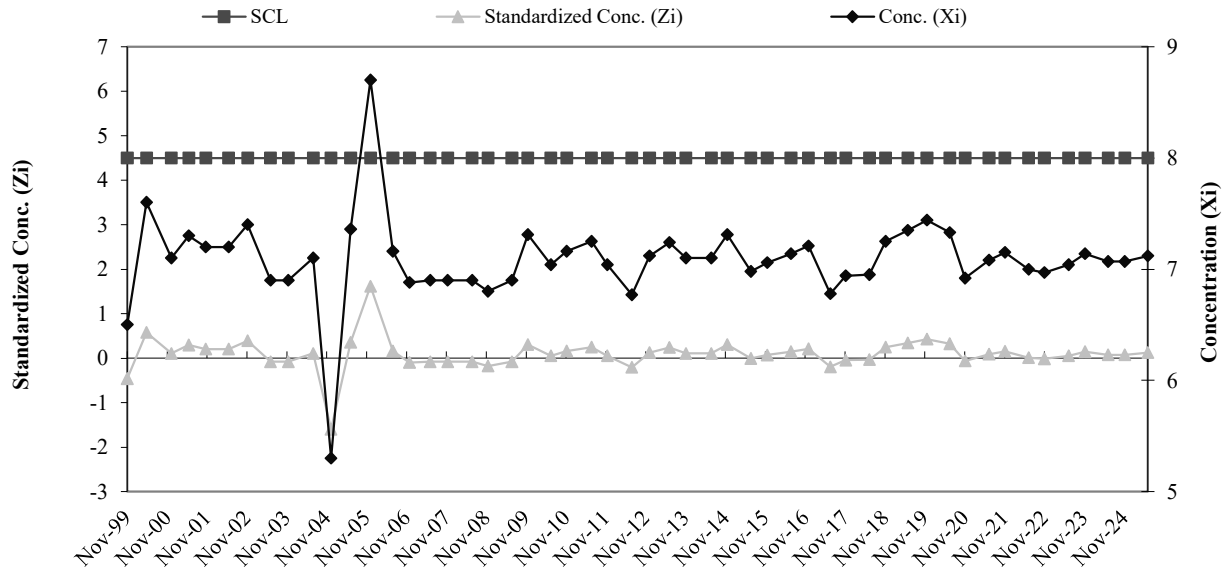


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-7 pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 7.50  | <b>6.99</b> | <b>1.06</b> |
| 2             | Jun-96 | 6.90  |             |             |
| 3             | Aug-96 | 7.60  |             |             |
| 4             | Nov-96 | 8.00  |             |             |
| 5             | May-97 | 7.20  |             |             |
| 6             | May-98 | 6.60  |             |             |
| 7             | Nov-98 | 4.60  |             |             |
| 8             | Apr-99 | 7.50  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-99 | 4.5 | 6.50       | -0.46                   | 36 | Jun-13 | 4.5 | 7.24       | 0.24                    |
| 10 | Apr-00 | 4.5 | 7.60       | 0.58                    | 37 | Nov-13 | 4.5 | 7.10       | 0.11                    |
| 11 | Dec-00 | 4.5 | 7.10       | 0.11                    | 38 | Jun-14 | 4.5 | 7.10       | 0.11                    |
| 12 | May-01 | 4.5 | 7.30       | 0.30                    | 39 | Nov-14 | 4.5 | 7.31       | 0.30                    |
| 13 | Oct-01 | 4.5 | 7.20       | 0.20                    | 40 | Jun-15 | 4.5 | 6.98       | -0.01                   |
| 14 | May-02 | 4.5 | 7.20       | 0.20                    | 41 | Nov-15 | 4.5 | 7.06       | 0.07                    |
| 15 | Nov-02 | 4.5 | 7.40       | 0.39                    | 42 | Jun-16 | 4.5 | 7.14       | 0.14                    |
| 16 | Jun-03 | 4.5 | 6.90       | -0.08                   | 43 | Nov-16 | 4.5 | 7.21       | 0.21                    |
| 17 | Nov-03 | 4.5 | 6.90       | -0.08                   | 44 | Jun-17 | 4.5 | 6.78       | -0.20                   |
| 18 | Jun-04 | 4.5 | 7.10       | 0.11                    | 45 | Nov-17 | 4.5 | 6.94       | -0.04                   |
| 19 | Dec-04 | 4.5 | 5.30       | -1.60                   | 46 | Jun-18 | 4.5 | 6.95       | -0.04                   |
| 20 | Jun-05 | 4.5 | 7.36       | 0.35                    | 47 | Nov-18 | 4.5 | 7.25       | 0.25                    |
| 21 | Dec-05 | 4.5 | 8.70       | 1.62                    | 48 | May-19 | 4.5 | 7.35       | 0.34                    |
| 22 | Jun-06 | 4.5 | 7.16       | 0.16                    | 49 | Nov-19 | 4.5 | 7.44       | 0.43                    |
| 23 | Nov-06 | 4.5 | 6.88       | -0.10                   | 50 | Jun-20 | 4.5 | 7.33       | 0.32                    |
| 24 | Jun-07 | 4.5 | 6.90       | -0.08                   | 51 | Nov-20 | 4.5 | 6.92       | -0.06                   |
| 25 | Nov-07 | 4.5 | 6.90       | -0.08                   | 52 | Jun-21 | 4.5 | 7.08       | 0.09                    |
| 26 | Jun-08 | 4.5 | 6.90       | -0.08                   | 53 | Nov-21 | 4.5 | 7.15       | 0.15                    |
| 27 | Nov-08 | 4.5 | 6.80       | -0.18                   | 54 | Jun-22 | 4.5 | 7.00       | 0.01                    |
| 28 | Jun-09 | 4.5 | 6.90       | -0.08                   | 55 | Nov-22 | 4.5 | 6.97       | -0.02                   |
| 29 | Nov-09 | 4.5 | 7.31       | 0.30                    | 56 | Jun-23 | 4.5 | 7.04       | 0.05                    |
| 30 | Jun-10 | 4.5 | 7.04       | 0.05                    | 57 | Nov-23 | 4.5 | 7.14       | 0.14                    |
| 31 | Nov-10 | 4.5 | 7.16       | 0.16                    | 58 | Jun-24 | 4.5 | 7.07       | 0.08                    |
| 32 | Jun-11 | 4.5 | 7.25       | 0.25                    | 59 | Nov-24 | 4.5 | 7.07       | 0.08                    |
| 33 | Nov-11 | 4.5 | 7.04       | 0.05                    | 60 | Jun-25 | 4.5 | 7.12       | 0.13                    |
| 34 | Jun-12 | 4.5 | 6.77       | -0.21                   |    |        |     |            |                         |
| 35 | Dec-12 | 4.5 | 7.12       | 0.13                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

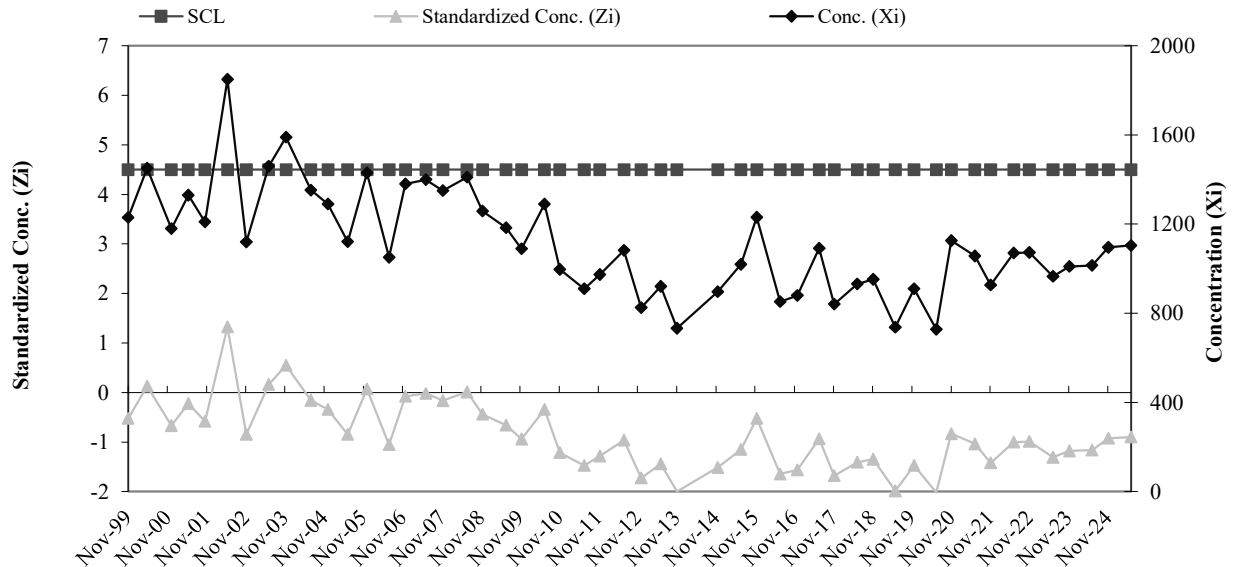


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-7 SpC**

| Baseline Data |        |        |                 |               |
|---------------|--------|--------|-----------------|---------------|
| Ti            | Date   | Conc.  | Mean            | Std. Dev      |
| 1             | Jun-95 | 1509.0 | <b>1,405.88</b> | <b>336.33</b> |
| 2             | Jun-96 | 1508.0 |                 |               |
| 3             | Aug-96 | 1567.0 |                 |               |
| 4             | Nov-96 | 1960.0 |                 |               |
| 5             | May-97 | 780.0  |                 |               |
| 6             | May-98 | 1270.0 |                 |               |
| 7             | Nov-98 | 1240.0 |                 |               |
| 8             | Apr-99 | 1413.0 |                 |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-99 | 4.5 | 1230       | -0.52                   | 36 | Jun-13 | 4.5 | 921        | -1.44                   |
| 10 | Apr-00 | 4.5 | 1450       | 0.13                    | 37 | Nov-13 | 4.5 | 733        | -2.00                   |
| 11 | Dec-00 | 4.5 | 1180       | -0.67                   | 38 | Nov-14 | 4.5 | 896        | -1.52                   |
| 12 | May-01 | 4.5 | 1330       | -0.23                   | 39 | Jun-15 | 4.5 | 1019       | -1.15                   |
| 13 | Oct-01 | 4.5 | 1210       | -0.58                   | 40 | Nov-15 | 4.5 | 1231       | -0.52                   |
| 14 | May-02 | 4.5 | 1850       | 1.32                    | 41 | Jun-16 | 4.5 | 852        | -1.65                   |
| 15 | Nov-02 | 4.5 | 1120       | -0.85                   | 42 | Nov-16 | 4.5 | 880        | -1.56                   |
| 16 | Jun-03 | 4.5 | 1460       | 0.16                    | 43 | Jun-17 | 4.5 | 1092       | -0.93                   |
| 17 | Nov-03 | 4.5 | 1590       | 0.55                    | 44 | Nov-17 | 4.5 | 841        | -1.68                   |
| 18 | Jun-04 | 4.5 | 1353       | -0.16                   | 45 | Jun-18 | 4.5 | 932        | -1.41                   |
| 19 | Dec-04 | 4.5 | 1290       | -0.34                   | 46 | Nov-18 | 4.5 | 952        | -1.35                   |
| 20 | Jun-05 | 4.5 | 1121       | -0.85                   | 47 | May-19 | 4.5 | 737        | -1.99                   |
| 21 | Dec-05 | 4.5 | 1430       | 0.07                    | 48 | Nov-19 | 4.5 | 910        | -1.47                   |
| 22 | Jun-06 | 4.5 | 1051       | -1.06                   | 49 | Jun-20 | 4.5 | 728        | -2.02                   |
| 23 | Nov-06 | 4.5 | 1380       | -0.08                   | 50 | Nov-20 | 4.5 | 1126       | -0.83                   |
| 24 | Jun-07 | 4.5 | 1400       | -0.02                   | 51 | Jun-21 | 4.5 | 1057       | -1.04                   |
| 25 | Nov-07 | 4.5 | 1350       | -0.17                   | 52 | Nov-21 | 4.5 | 927        | -1.42                   |
| 26 | Jun-08 | 4.5 | 1410       | 0.01                    | 53 | Jun-22 | 4.5 | 1070       | -1.00                   |
| 27 | Nov-08 | 4.5 | 1258       | -0.44                   | 54 | Nov-22 | 4.5 | 1073       | -0.99                   |
| 28 | Jun-09 | 4.5 | 1184       | -0.66                   | 55 | Jun-23 | 4.5 | 965        | -1.31                   |
| 29 | Nov-09 | 4.5 | 1090       | -0.94                   | 56 | Nov-23 | 4.5 | 1010       | -1.18                   |
| 30 | Jun-10 | 4.5 | 1290       | -0.34                   | 57 | Jun-24 | 4.5 | 1015       | -1.16                   |
| 31 | Nov-10 | 4.5 | 997        | -1.22                   | 58 | Nov-24 | 4.5 | 1095       | -0.92                   |
| 32 | Jun-11 | 4.5 | 910        | -1.47                   | 59 | Jun-25 | 4.5 | 1104       | -0.90                   |
| 33 | Nov-11 | 4.5 | 974        | -1.28                   |    |        |     |            |                         |
| 34 | Jun-12 | 4.5 | 1082       | -0.96                   |    |        |     |            |                         |
| 35 | Dec-12 | 4.5 | 825        | -1.73                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

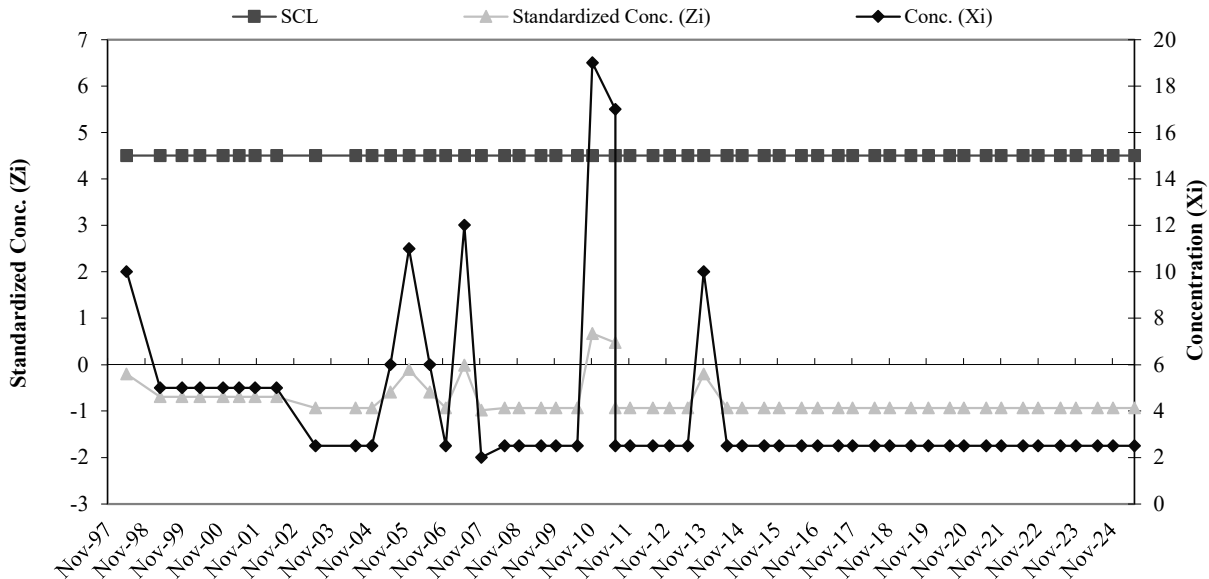


**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-9 Cr**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 10    | 12.13 | 10.30    |
| 2             | Aug-95 | 37    |       |          |
| 3             | Feb-96 | 10    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | May-97 | 5     |       |          |
| 8             | Nov-97 | 5     |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 10         | -0.21                   | 36 | Dec-12 | 4.5 | 2.5        | -0.93                   |
| 10 | Apr-99 | 4.5 | 5          | -0.69                   | 37 | Jun-13 | 4.5 | 2.5        | -0.93                   |
| 11 | Nov-99 | 4.5 | 5          | -0.69                   | 38 | Nov-13 | 4.5 | 10         | -0.21                   |
| 12 | Apr-00 | 4.5 | 5          | -0.69                   | 39 | Jun-14 | 4.5 | 2.5        | -0.93                   |
| 13 | Dec-00 | 4.5 | 5          | -0.69                   | 40 | Nov-14 | 4.5 | 2.5        | -0.93                   |
| 14 | May-01 | 4.5 | 5          | -0.69                   | 41 | Jun-15 | 4.5 | 2.5        | -0.93                   |
| 15 | Oct-01 | 4.5 | 5          | -0.69                   | 42 | Nov-15 | 4.5 | 2.5        | -0.93                   |
| 16 | May-02 | 4.5 | 5          | -0.69                   | 43 | Jun-16 | 4.5 | 2.5        | -0.93                   |
| 17 | Jun-03 | 4.5 | 2.5        | -0.93                   | 44 | Nov-16 | 4.5 | 2.5        | -0.93                   |
| 18 | Jun-04 | 4.5 | 2.5        | -0.93                   | 45 | Jun-17 | 4.5 | 2.5        | -0.93                   |
| 19 | Dec-04 | 4.5 | 2.5        | -0.93                   | 46 | Nov-17 | 4.5 | 2.5        | -0.93                   |
| 20 | Jun-05 | 4.5 | 6          | -0.59                   | 47 | Jun-18 | 4.5 | 2.5        | -0.93                   |
| 21 | Dec-05 | 4.5 | 11         | -0.11                   | 48 | Nov-18 | 4.5 | 2.5        | -0.93                   |
| 22 | Jun-06 | 4.5 | 6          | -0.59                   | 49 | Jun-19 | 4.5 | 2.5        | -0.93                   |
| 23 | Nov-06 | 4.5 | 2.5        | -0.93                   | 50 | Nov-19 | 4.5 | 2.5        | -0.93                   |
| 24 | Jun-07 | 4.5 | 12         | -0.01                   | 51 | Jun-20 | 4.5 | 2.5        | -0.93                   |
| 25 | Nov-07 | 4.5 | 2          | -0.98                   | 52 | Nov-20 | 4.5 | 2.5        | -0.93                   |
| 26 | Jul-08 | 4.5 | 2.5        | -0.93                   | 53 | Jun-21 | 4.5 | 2.5        | -0.93                   |
| 27 | Nov-08 | 4.5 | 2.5        | -0.93                   | 54 | Nov-21 | 4.5 | 2.5        | -0.93                   |
| 28 | Jun-09 | 4.5 | 2.5        | -0.93                   | 55 | Jun-22 | 4.5 | 2.5        | -0.93                   |
| 29 | Nov-09 | 4.5 | 2.5        | -0.93                   | 56 | Nov-22 | 4.5 | 2.5        | -0.93                   |
| 30 | Jun-10 | 4.5 | 2.5        | -0.93                   | 57 | Jun-23 | 4.5 | 2.5        | -0.93                   |
| 31 | Nov-10 | 4.5 | 19         | 0.67                    | 58 | Nov-23 | 4.5 | 2.5        | -0.93                   |
| 32 | Jun-11 | 4.5 | 17         | 0.47                    | 59 | Jun-24 | 4.5 | 2.5        | -0.93                   |
| 33 | Jun-11 | 4.5 | 2.5        | -0.93                   | 60 | Nov-24 | 4.5 | 2.5        | -0.93                   |
| 34 | Nov-11 | 4.5 | 2.5        | -0.93                   | 61 | Jun-25 | 4.5 | 2.5        | -0.93                   |
| 35 | Jun-12 | 4.5 | 2.5        | -0.93                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

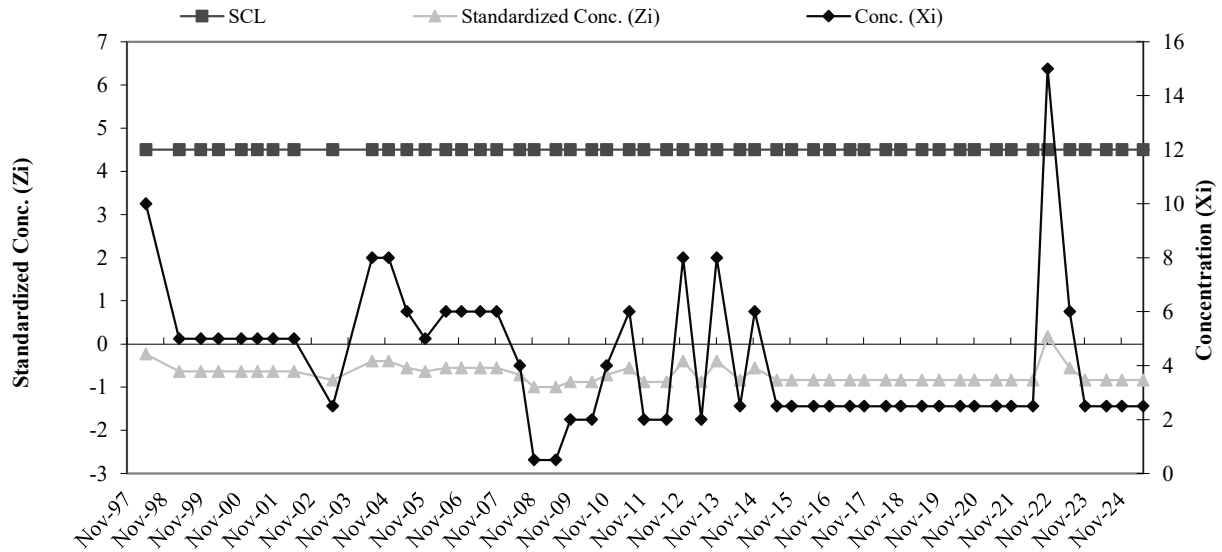


**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-9 Cu**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 10    | 12.88 | 12.38    |
| 2             | Aug-95 | 43    |       |          |
| 3             | Feb-96 | 10    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | May-97 | 5     |       |          |
| 8             | Nov-97 | 5     |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 10         | -0.23                   | 36 | Jun-13 | 4.5 | 2          | -0.88                   |
| 10 | Apr-99 | 4.5 | 5          | -0.64                   | 37 | Nov-13 | 4.5 | 8          | -0.39                   |
| 11 | Nov-99 | 4.5 | 5          | -0.64                   | 38 | Jun-14 | 4.5 | 2.5        | -0.84                   |
| 12 | Apr-00 | 4.5 | 5          | -0.64                   | 39 | Nov-14 | 4.5 | 6          | -0.56                   |
| 13 | Dec-00 | 4.5 | 5          | -0.64                   | 40 | Jun-15 | 4.5 | 2.5        | -0.84                   |
| 14 | May-01 | 4.5 | 5          | -0.64                   | 41 | Nov-15 | 4.5 | 2.5        | -0.84                   |
| 15 | Oct-01 | 4.5 | 5          | -0.64                   | 42 | Jun-16 | 4.5 | 2.5        | -0.84                   |
| 16 | May-02 | 4.5 | 5          | -0.64                   | 43 | Nov-16 | 4.5 | 2.5        | -0.84                   |
| 17 | Jun-03 | 4.5 | 2.5        | -0.84                   | 44 | Jun-17 | 4.5 | 2.5        | -0.84                   |
| 18 | Jun-04 | 4.5 | 8          | -0.39                   | 45 | Nov-17 | 4.5 | 2.5        | -0.84                   |
| 19 | Dec-04 | 4.5 | 8          | -0.39                   | 46 | Jun-18 | 4.5 | 2.5        | -0.84                   |
| 20 | Jun-05 | 4.5 | 6          | -0.56                   | 47 | Nov-18 | 4.5 | 2.5        | -0.84                   |
| 21 | Dec-05 | 4.5 | 5          | -0.64                   | 48 | Jun-19 | 4.5 | 2.5        | -0.84                   |
| 22 | Jun-06 | 4.5 | 6          | -0.56                   | 49 | Nov-19 | 4.5 | 2.5        | -0.84                   |
| 23 | Nov-06 | 4.5 | 6          | -0.56                   | 50 | Jun-20 | 4.5 | 2.5        | -0.84                   |
| 24 | Jun-07 | 4.5 | 6          | -0.56                   | 51 | Nov-20 | 4.5 | 2.5        | -0.84                   |
| 25 | Nov-07 | 4.5 | 6          | -0.56                   | 52 | Jun-21 | 4.5 | 2.5        | -0.84                   |
| 26 | Jul-08 | 4.5 | 4          | -0.72                   | 53 | Nov-21 | 4.5 | 2.5        | -0.84                   |
| 27 | Nov-08 | 4.5 | 0.5        | -1.00                   | 54 | Jun-22 | 4.5 | 2.5        | -0.84                   |
| 28 | Jun-09 | 4.5 | 0.5        | -1.00                   | 55 | Nov-22 | 4.5 | 15         | 0.17                    |
| 29 | Nov-09 | 4.5 | 2          | -0.88                   | 56 | Jun-23 | 4.5 | 6          | -0.56                   |
| 30 | Jun-10 | 4.5 | 2          | -0.88                   | 57 | Nov-23 | 4.5 | 2.5        | -0.84                   |
| 31 | Nov-10 | 4.5 | 4          | -0.72                   | 58 | Jun-24 | 4.5 | 2.5        | -0.84                   |
| 32 | Jun-11 | 4.5 | 6          | -0.56                   | 59 | Nov-24 | 4.5 | 2.5        | -0.84                   |
| 33 | Nov-11 | 4.5 | 2          | -0.88                   | 60 | Jun-25 | 4.5 | 2.5        | -0.84                   |
| 34 | Jun-12 | 4.5 | 2          | -0.88                   |    |        |     |            |                         |
| 35 | Dec-12 | 4.5 | 8          | -0.39                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean



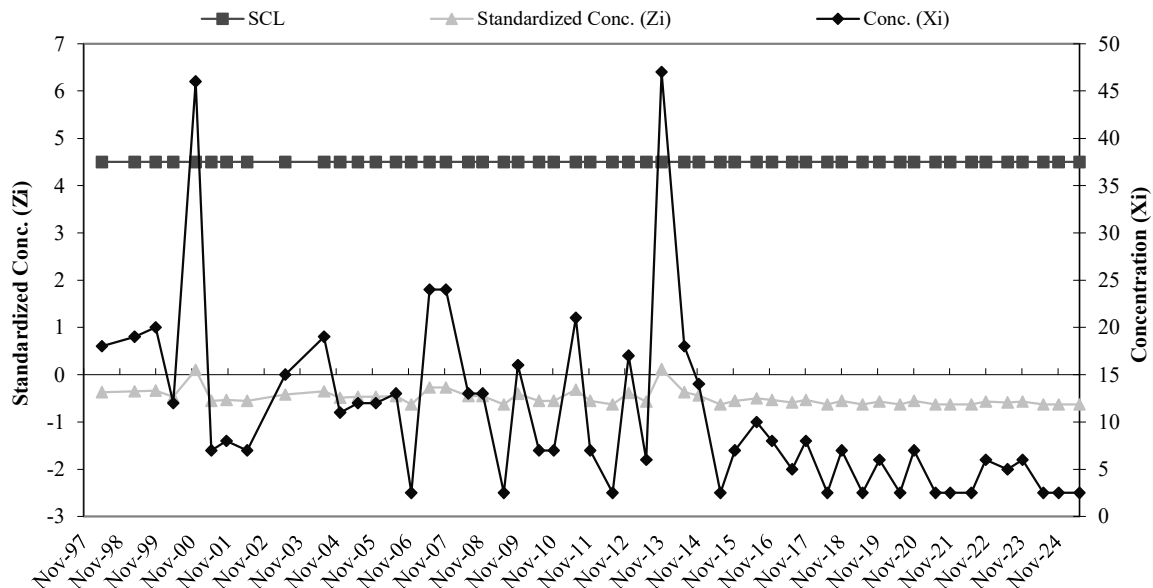
**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART**

B-9 Ni

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 15    | 39.88 | 59.40    |
| 2             | Aug-95 | 20    |       |          |
| 3             | Feb-96 | 20    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | May-97 | 51    |       |          |
| 8             | Nov-97 | 183   |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 18         | -0.37                   | 36 | Jun-13 | 4.5 | 6          | -0.57                   |
| 10 | Apr-99 | 4.5 | 19         | -0.35                   | 37 | Nov-13 | 4.5 | 47         | 0.12                    |
| 11 | Nov-99 | 4.5 | 20         | -0.33                   | 38 | Jun-14 | 4.5 | 18         | -0.37                   |
| 12 | Apr-00 | 4.5 | 12         | -0.47                   | 39 | Nov-14 | 4.5 | 14         | -0.44                   |
| 13 | Dec-00 | 4.5 | 46         | 0.10                    | 40 | Jun-15 | 4.5 | 2.5        | -0.63                   |
| 14 | May-01 | 4.5 | 7          | -0.55                   | 41 | Nov-15 | 4.5 | 7          | -0.55                   |
| 15 | Oct-01 | 4.5 | 8          | -0.54                   | 42 | Jun-16 | 4.5 | 10         | -0.50                   |
| 16 | May-02 | 4.5 | 7          | -0.55                   | 43 | Nov-16 | 4.5 | 8          | -0.54                   |
| 17 | Jun-03 | 4.5 | 15         | -0.42                   | 44 | Jun-17 | 4.5 | 5          | -0.59                   |
| 18 | Jun-04 | 4.5 | 19         | -0.35                   | 45 | Nov-17 | 4.5 | 8          | -0.54                   |
| 19 | Dec-04 | 4.5 | 11         | -0.49                   | 46 | Jun-18 | 4.5 | 2.5        | -0.63                   |
| 20 | Jun-05 | 4.5 | 12         | -0.47                   | 47 | Nov-18 | 4.5 | 7          | -0.55                   |
| 21 | Dec-05 | 4.5 | 12         | -0.47                   | 48 | Jun-19 | 4.5 | 2.5        | -0.63                   |
| 22 | Jun-06 | 4.5 | 13         | -0.45                   | 49 | Nov-19 | 4.5 | 6          | -0.57                   |
| 23 | Nov-06 | 4.5 | 2.5        | -0.63                   | 50 | Jun-20 | 4.5 | 2.5        | -0.63                   |
| 24 | Jun-07 | 4.5 | 24         | -0.27                   | 51 | Nov-20 | 4.5 | 7          | -0.55                   |
| 25 | Nov-07 | 4.5 | 24         | -0.27                   | 52 | Jun-21 | 4.5 | 2.5        | -0.63                   |
| 26 | Jul-08 | 4.5 | 13         | -0.45                   | 53 | Nov-21 | 4.5 | 2.5        | -0.63                   |
| 27 | Nov-08 | 4.5 | 13         | -0.45                   | 54 | Jun-22 | 4.5 | 2.5        | -0.63                   |
| 28 | Jun-09 | 4.5 | 2.5        | -0.63                   | 55 | Nov-22 | 4.5 | 6          | -0.57                   |
| 29 | Nov-09 | 4.5 | 16         | -0.40                   | 56 | Jun-23 | 4.5 | 5          | -0.59                   |
| 30 | Jun-10 | 4.5 | 7          | -0.55                   | 57 | Nov-23 | 4.5 | 6          | -0.57                   |
| 31 | Nov-10 | 4.5 | 7          | -0.55                   | 58 | Jun-24 | 4.5 | 2.5        | -0.63                   |
| 32 | Jun-11 | 4.5 | 21         | -0.32                   | 59 | Nov-24 | 4.5 | 2.5        | -0.63                   |
| 33 | Nov-11 | 4.5 | 7          | -0.55                   | 60 | Jun-25 | 4.5 | 2.5        | -0.63                   |
| 34 | Jun-12 | 4.5 | 2.5        | -0.63                   |    |        |     |            |                         |
| 35 | Dec-12 | 4.5 | 17         | -0.39                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

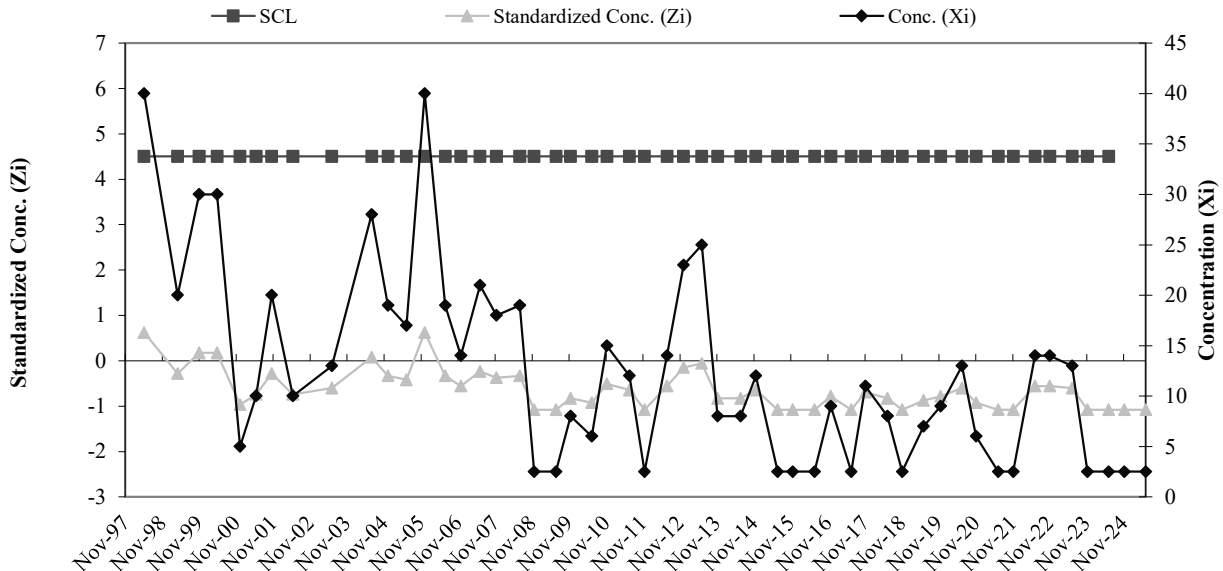


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-9 Zn**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 10    | <b>26.25</b> | <b>22.00</b> |
| 2             | Aug-95 | 10    |              |              |
| 3             | Feb-96 | 10    |              |              |
| 4             | Jun-96 | 10    |              |              |
| 5             | Aug-96 | 70    |              |              |
| 6             | Nov-96 | 40    |              |              |
| 7             | May-97 | 20    |              |              |
| 8             | Nov-97 | 40    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 40         | 0.63                    | 36 | Jun-13 | 4.5 | 25         | -0.06                   |
| 10 | Apr-99 | 4.5 | 20         | -0.28                   | 37 | Nov-13 | 4.5 | 8          | -0.83                   |
| 11 | Nov-99 | 4.5 | 30         | 0.17                    | 38 | Jun-14 | 4.5 | 8          | -0.83                   |
| 12 | Apr-00 | 4.5 | 30         | 0.17                    | 39 | Nov-14 | 4.5 | 12         | -0.65                   |
| 13 | Dec-00 | 4.5 | 5          | -0.97                   | 40 | Jun-15 | 4.5 | 2.5        | -1.08                   |
| 14 | May-01 | 4.5 | 10         | -0.74                   | 41 | Nov-15 | 4.5 | 2.5        | -1.08                   |
| 15 | Oct-01 | 4.5 | 20         | -0.28                   | 42 | Jun-16 | 4.5 | 2.5        | -1.08                   |
| 16 | May-02 | 4.5 | 10         | -0.74                   | 43 | Nov-16 | 4.5 | 9          | -0.78                   |
| 17 | Jun-03 | 4.5 | 13         | -0.60                   | 44 | Jun-17 | 4.5 | 2.5        | -1.08                   |
| 18 | Jun-04 | 4.5 | 28         | 0.08                    | 45 | Nov-17 | 4.5 | 11         | -0.69                   |
| 19 | Dec-04 | 4.5 | 19         | -0.33                   | 46 | Jun-18 | 4.5 | 8          | -0.83                   |
| 20 | Jun-05 | 4.5 | 17         | -0.42                   | 47 | Nov-18 | 4.5 | 2.5        | -1.08                   |
| 21 | Dec-05 | 4.5 | 40         | 0.63                    | 48 | Jun-19 | 4.5 | 7          | -0.88                   |
| 22 | Jun-06 | 4.5 | 19         | -0.33                   | 49 | Nov-19 | 4.5 | 9          | -0.78                   |
| 23 | Nov-06 | 4.5 | 14         | -0.56                   | 50 | Jun-20 | 4.5 | 13         | -0.60                   |
| 24 | Jun-07 | 4.5 | 21         | -0.24                   | 51 | Nov-20 | 4.5 | 6          | -0.92                   |
| 25 | Nov-07 | 4.5 | 18         | -0.38                   | 52 | Jun-21 | 4.5 | 2.5        | -1.08                   |
| 26 | Jul-08 | 4.5 | 19         | -0.33                   | 53 | Nov-21 | 4.5 | 2.5        | -1.08                   |
| 27 | Nov-08 | 4.5 | 2.5        | -1.08                   | 54 | Jun-22 | 4.5 | 14         | -0.56                   |
| 28 | Jun-09 | 4.5 | 2.5        | -1.08                   | 55 | Nov-22 | 4.5 | 14         | -0.56                   |
| 29 | Nov-09 | 4.5 | 8          | -0.83                   | 56 | Jun-23 | 4.5 | 13         | -0.60                   |
| 30 | Jun-10 | 4.5 | 6          | -0.92                   | 57 | Nov-23 | 4.5 | 2.5        | -1.08                   |
| 31 | Nov-10 | 4.5 | 15         | -0.51                   | 58 | Jun-24 | 4.5 | 2.5        | -1.08                   |
| 32 | Jun-11 | 4.5 | 12         | -0.65                   | 59 | Nov-24 | 4.5 | 2.5        | -1.08                   |
| 33 | Nov-11 | 4.5 | 2.5        | -1.08                   | 60 | Jun-25 | 4.5 | 2.5        | -1.08                   |
| 34 | Jun-12 | 4.5 | 14         | -0.56                   |    |        |     |            |                         |
| 35 | Dec-12 | 4.5 | 23         | -0.15                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

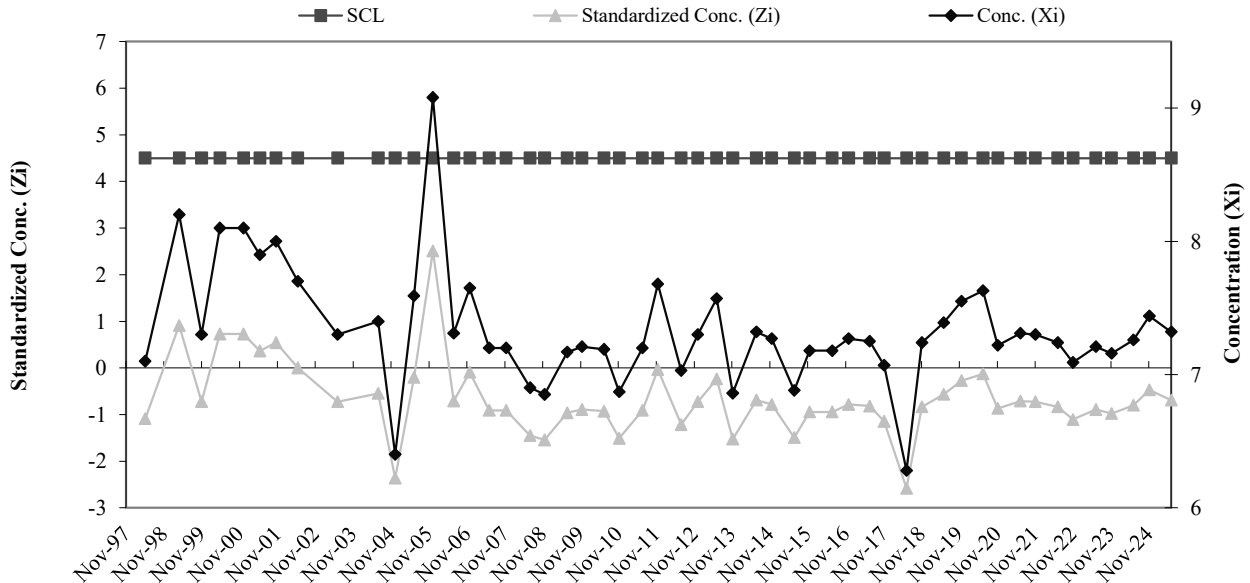


**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-9 pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 7.70  | 7.20 | 0.55     |
| 2             | Aug-95 | 7.70  |      |          |
| 3             | Feb-96 | 7.30  |      |          |
| 4             | Jun-96 | 6.80  |      |          |
| 5             | Aug-96 | 8.00  |      |          |
| 6             | Nov-96 | 6.80  |      |          |
| 7             | May-97 | 6.80  |      |          |
| 8             | Nov-97 | 6.50  |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 6.60       | -1.09                   | 36 | Jun-13 | 4.5 | 7.07       | -0.24                   |
| 10 | Apr-99 | 4.5 | 7.70       | 0.91                    | 37 | Nov-13 | 4.5 | 6.36       | -1.53                   |
| 11 | Nov-99 | 4.5 | 6.80       | -0.73                   | 38 | Jun-14 | 4.5 | 6.82       | -0.69                   |
| 12 | Apr-00 | 4.5 | 7.60       | 0.73                    | 39 | Nov-14 | 4.5 | 6.77       | -0.78                   |
| 13 | Dec-00 | 4.5 | 7.60       | 0.73                    | 40 | Jun-15 | 4.5 | 6.38       | -1.49                   |
| 14 | May-01 | 4.5 | 7.40       | 0.36                    | 41 | Nov-15 | 4.5 | 6.68       | -0.94                   |
| 15 | Oct-01 | 4.5 | 7.50       | 0.55                    | 42 | Jun-16 | 4.5 | 6.68       | -0.94                   |
| 16 | May-02 | 4.5 | 7.20       | 0.00                    | 43 | Nov-16 | 4.5 | 6.77       | -0.78                   |
| 17 | Jun-03 | 4.5 | 6.80       | -0.73                   | 44 | Jun-17 | 4.5 | 6.75       | -0.82                   |
| 18 | Jun-04 | 4.5 | 6.90       | -0.55                   | 45 | Nov-17 | 4.5 | 6.57       | -1.14                   |
| 19 | Dec-04 | 4.5 | 5.90       | -2.36                   | 46 | Jun-18 | 4.5 | 5.78       | -2.58                   |
| 20 | Jun-05 | 4.5 | 7.09       | -0.20                   | 47 | Nov-18 | 4.5 | 6.74       | -0.84                   |
| 21 | Dec-05 | 4.5 | 8.58       | 2.51                    | 48 | Jun-19 | 4.5 | 6.89       | -0.56                   |
| 22 | Jun-06 | 4.5 | 6.81       | -0.71                   | 49 | Nov-19 | 4.5 | 7.05       | -0.27                   |
| 23 | Nov-06 | 4.5 | 7.15       | -0.09                   | 50 | Jun-20 | 4.5 | 7.13       | -0.13                   |
| 24 | Jun-07 | 4.5 | 6.70       | -0.91                   | 51 | Nov-20 | 4.5 | 6.72       | -0.87                   |
| 25 | Nov-07 | 4.5 | 6.70       | -0.91                   | 52 | Jun-21 | 4.5 | 6.81       | -0.71                   |
| 26 | Jul-08 | 4.5 | 6.40       | -1.45                   | 53 | Nov-21 | 4.5 | 6.80       | -0.73                   |
| 27 | Nov-08 | 4.5 | 6.35       | -1.54                   | 54 | Jun-22 | 4.5 | 6.74       | -0.84                   |
| 28 | Jun-09 | 4.5 | 6.67       | -0.96                   | 55 | Nov-22 | 4.5 | 6.59       | -1.11                   |
| 29 | Nov-09 | 4.5 | 6.71       | -0.89                   | 56 | Jun-23 | 4.5 | 6.71       | -0.89                   |
| 30 | Jun-10 | 4.5 | 6.69       | -0.93                   | 57 | Nov-23 | 4.5 | 6.66       | -0.98                   |
| 31 | Nov-10 | 4.5 | 6.37       | -1.51                   | 58 | Jun-24 | 4.5 | 6.76       | -0.80                   |
| 32 | Jun-11 | 4.5 | 6.70       | -0.91                   | 59 | Nov-24 | 4.5 | 6.94       | -0.47                   |
| 33 | Nov-11 | 4.5 | 7.18       | -0.04                   | 60 | Jun-25 | 4.5 | 6.82       | -0.69                   |
| 34 | Jun-12 | 4.5 | 6.53       | -1.22                   |    |        |     |            |                         |
| 35 | Dec-12 | 4.5 | 6.80       | -0.73                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

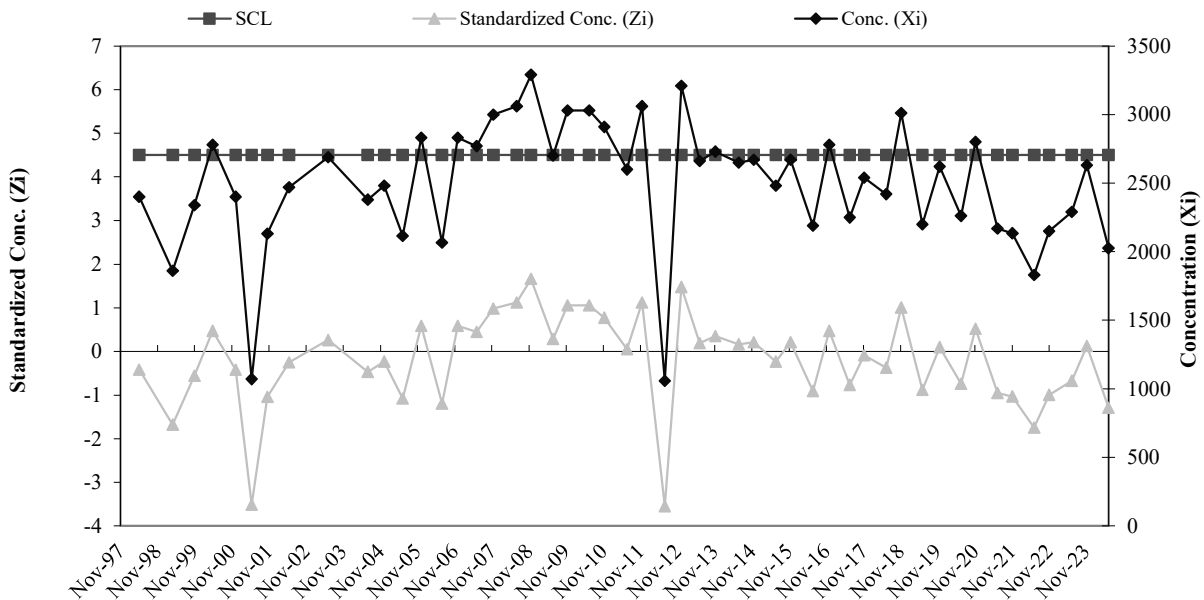


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-9 SpC**

| Baseline Data |        |       |                 |               |
|---------------|--------|-------|-----------------|---------------|
| Ti            | Date   | Conc. | Mean            | Std. Dev      |
| 1             | Jun-95 | 2400  | <b>2,578.63</b> | <b>428.85</b> |
| 2             | Aug-95 | 1829  |                 |               |
| 3             | Feb-96 | 2860  |                 |               |
| 4             | Jun-96 | 2550  |                 |               |
| 5             | Aug-96 | 2310  |                 |               |
| 6             | Nov-96 | 3280  |                 |               |
| 7             | May-97 | 2600  |                 |               |
| 8             | Nov-97 | 2800  |                 |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 2400       | -0.42                   | 36 | Jun-13 | 4.5 | 2660       | 0.19                    |
| 10 | Apr-99 | 4.5 | 1860       | -1.68                   | 37 | Nov-13 | 4.5 | 2730       | 0.35                    |
| 11 | Nov-99 | 4.5 | 2340       | -0.56                   | 38 | Jun-14 | 4.5 | 2650       | 0.17                    |
| 12 | Apr-00 | 4.5 | 2780       | 0.47                    | 39 | Nov-14 | 4.5 | 2670       | 0.21                    |
| 13 | Dec-00 | 4.5 | 2400       | -0.42                   | 40 | Jun-15 | 4.5 | 2480       | -0.23                   |
| 14 | May-01 | 4.5 | 1070       | -3.52                   | 41 | Nov-15 | 4.5 | 2670       | 0.21                    |
| 15 | Oct-01 | 4.5 | 2130       | -1.05                   | 42 | Jun-16 | 4.5 | 2190       | -0.91                   |
| 16 | May-02 | 4.5 | 2470       | -0.25                   | 43 | Nov-16 | 4.5 | 2780       | 0.47                    |
| 17 | Jun-03 | 4.5 | 2690       | 0.26                    | 44 | Jun-17 | 4.5 | 2250       | -0.77                   |
| 18 | Jun-04 | 4.5 | 2379       | -0.47                   | 45 | Nov-17 | 4.5 | 2540       | -0.09                   |
| 19 | Dec-04 | 4.5 | 2480       | -0.23                   | 46 | Jun-18 | 4.5 | 2420       | -0.37                   |
| 20 | Jun-05 | 4.5 | 2116       | -1.08                   | 47 | Nov-18 | 4.5 | 3010       | 1.01                    |
| 21 | Dec-05 | 4.5 | 2830       | 0.59                    | 48 | Jun-19 | 4.5 | 2200       | -0.88                   |
| 22 | Jun-06 | 4.5 | 2065       | -1.20                   | 49 | Nov-19 | 4.5 | 2620       | 0.10                    |
| 23 | Nov-06 | 4.5 | 2830       | 0.59                    | 50 | Jun-20 | 4.5 | 2260       | -0.74                   |
| 24 | Jun-07 | 4.5 | 2770       | 0.45                    | 51 | Nov-20 | 4.5 | 2800       | 0.52                    |
| 25 | Nov-07 | 4.5 | 3000       | 0.98                    | 52 | Jun-21 | 4.5 | 2168       | -0.96                   |
| 26 | Jul-08 | 4.5 | 3060       | 1.12                    | 53 | Nov-21 | 4.5 | 2135       | -1.03                   |
| 27 | Nov-08 | 4.5 | 3290       | 1.66                    | 54 | Jun-22 | 4.5 | 1830       | -1.75                   |
| 28 | Jun-09 | 4.5 | 2700       | 0.28                    | 55 | Nov-22 | 4.5 | 2150       | -1.00                   |
| 29 | Nov-09 | 4.5 | 3030       | 1.05                    | 56 | Jun-23 | 4.5 | 2290       | -0.67                   |
| 30 | Jun-10 | 4.5 | 3030       | 1.05                    | 57 | Nov-23 | 4.5 | 2630       | 0.12                    |
| 31 | Nov-10 | 4.5 | 2910       | 0.77                    | 58 | Jun-24 | 4.5 | 2025       | -1.29                   |
| 32 | Jun-11 | 4.5 | 2600       | 0.05                    | 59 | Nov-24 | 4.5 | 2260       | -0.74                   |
| 33 | Nov-11 | 4.5 | 3060       | 1.12                    | 60 | Jun-25 | 4.5 | 1935       | -1.50                   |
| 34 | Jun-12 | 4.5 | 1057       | -3.55                   |    |        |     |            |                         |
| 35 | Dec-12 | 4.5 | 3210       | 1.47                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

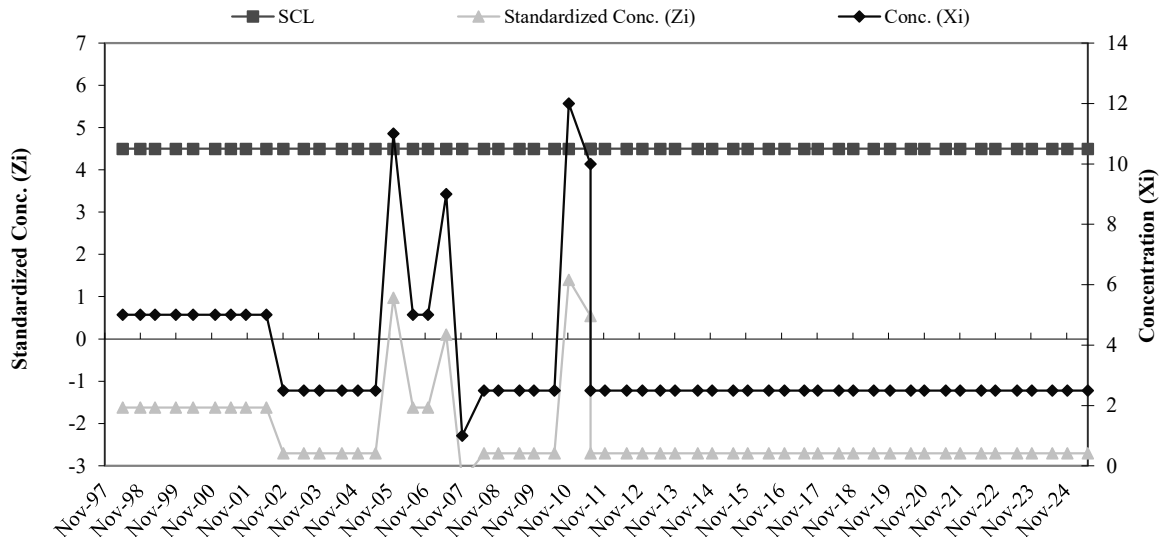


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-18A Cr**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | Nov-97 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.62                   | 39 | Dec-12 | 4.5 | 2.5        | -2.70                   |
| 10 | Nov-98 | 4.5 | 5          | -1.62                   | 40 | Jun-13 | 4.5 | 2.5        | -2.70                   |
| 11 | Apr-99 | 4.5 | 5          | -1.62                   | 41 | Nov-13 | 4.5 | 2.5        | -2.70                   |
| 12 | Nov-99 | 4.5 | 5          | -1.62                   | 42 | Jun-14 | 4.5 | 2.5        | -2.70                   |
| 13 | Apr-00 | 4.5 | 5          | -1.62                   | 43 | Nov-14 | 4.5 | 2.5        | -2.70                   |
| 14 | Dec-00 | 4.5 | 5          | -1.62                   | 44 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 15 | May-01 | 4.5 | 5          | -1.62                   | 45 | Nov-15 | 4.5 | 2.5        | -2.70                   |
| 16 | Oct-01 | 4.5 | 5          | -1.62                   | 46 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 17 | May-02 | 4.5 | 5          | -1.62                   | 47 | Nov-16 | 4.5 | 2.5        | -2.70                   |
| 18 | Nov-02 | 4.5 | 2.5        | -2.70                   | 48 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 19 | Jun-03 | 4.5 | 2.5        | -2.70                   | 49 | Nov-17 | 4.5 | 2.5        | -2.70                   |
| 20 | Nov-03 | 4.5 | 2.5        | -2.70                   | 50 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 21 | Jun-04 | 4.5 | 2.5        | -2.70                   | 51 | Nov-18 | 4.5 | 2.5        | -2.70                   |
| 22 | Dec-04 | 4.5 | 2.5        | -2.70                   | 52 | Jun-19 | 4.5 | 2.5        | -2.70                   |
| 23 | Jun-05 | 4.5 | 2.5        | -2.70                   | 53 | Nov-19 | 4.5 | 2.5        | -2.70                   |
| 24 | Dec-05 | 4.5 | 11         | 0.97                    | 54 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 25 | Jun-06 | 4.5 | 5          | -1.62                   | 55 | Nov-20 | 4.5 | 2.5        | -2.70                   |
| 26 | Nov-06 | 4.5 | 5          | -1.62                   | 56 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 27 | Jun-07 | 4.5 | 9          | 0.11                    | 57 | Nov-21 | 4.5 | 2.5        | -2.70                   |
| 28 | Nov-07 | 4.5 | 1          | -3.35                   | 58 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 29 | Jun-08 | 4.5 | 2.5        | -2.70                   | 59 | Nov-22 | 4.5 | 2.5        | -2.70                   |
| 30 | Nov-08 | 4.5 | 2.5        | -2.70                   | 60 | Jun-23 | 4.5 | 2.5        | -2.70                   |
| 31 | Jun-09 | 4.5 | 2.5        | -2.70                   | 61 | Nov-23 | 4.5 | 2.5        | -2.70                   |
| 32 | Nov-09 | 4.5 | 2.5        | -2.70                   | 62 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 33 | Jun-10 | 4.5 | 2.5        | -2.70                   | 63 | Nov-24 | 4.5 | 2.5        | -2.70                   |
| 34 | Nov-10 | 4.5 | 12         | 1.40                    | 64 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 35 | Jun-11 | 4.5 | 10         | 0.54                    |    |        |     |            |                         |
| 36 | Jun-11 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 37 | Nov-11 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 38 | Jun-12 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

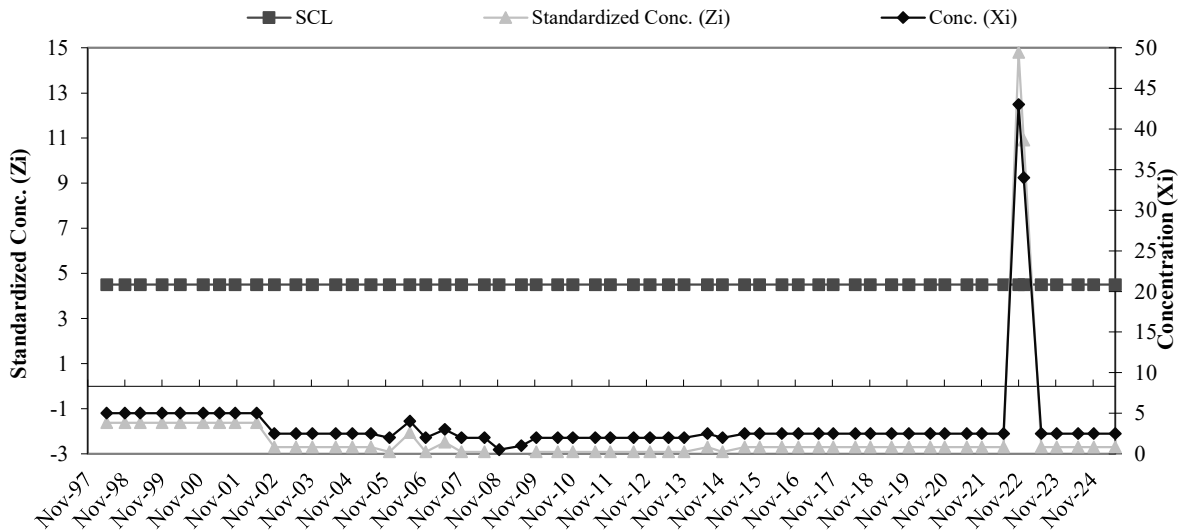


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-18A Cu**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | Nov-97 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.62                   | 36 | Dec-12 | 4.5 | 2          | -2.92                   |
| 10 | Nov-98 | 4.5 | 5          | -1.62                   | 37 | Jun-13 | 4.5 | 2          | -2.92                   |
| 11 | Apr-99 | 4.5 | 5          | -1.62                   | 38 | Nov-13 | 4.5 | 2          | -2.92                   |
| 12 | Nov-99 | 4.5 | 5          | -1.62                   | 39 | Jun-14 | 4.5 | 2.5        | -2.70                   |
| 13 | Apr-00 | 4.5 | 5          | -1.62                   | 40 | Nov-14 | 4.5 | 2          | -2.92                   |
| 14 | Dec-00 | 4.5 | 5          | -1.62                   | 41 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 15 | May-01 | 4.5 | 5          | -1.62                   | 42 | Nov-15 | 4.5 | 2.5        | -2.70                   |
| 16 | Oct-01 | 4.5 | 5          | -1.62                   | 43 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 17 | May-02 | 4.5 | 5          | -1.62                   | 44 | Nov-16 | 4.5 | 2.5        | -2.70                   |
| 18 | Nov-02 | 4.5 | 2.5        | -2.70                   | 45 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 19 | Jun-03 | 4.5 | 2.5        | -2.70                   | 46 | Nov-17 | 4.5 | 2.5        | -2.70                   |
| 20 | Nov-03 | 4.5 | 2.5        | -2.70                   | 47 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 21 | Jun-04 | 4.5 | 2.5        | -2.70                   | 48 | Nov-18 | 4.5 | 2.5        | -2.70                   |
| 22 | Dec-04 | 4.5 | 2.5        | -2.70                   | 49 | Jun-19 | 4.5 | 2.5        | -2.70                   |
| 23 | Jun-05 | 4.5 | 2.5        | -2.70                   | 50 | Nov-19 | 4.5 | 2.5        | -2.70                   |
| 24 | Dec-05 | 4.5 | 2          | -2.92                   | 51 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 25 | Jun-06 | 4.5 | 4          | -2.05                   | 52 | Nov-20 | 4.5 | 2.5        | -2.70                   |
| 26 | Nov-06 | 4.5 | 2          | -2.92                   | 53 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 27 | Jun-07 | 4.5 | 3          | -2.48                   | 54 | Nov-21 | 4.5 | 2.5        | -2.70                   |
| 28 | Nov-07 | 4.5 | 2          | -2.92                   | 55 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 29 | Jun-08 | 4.5 | 2          | -2.92                   | 56 | Nov-22 | 4.5 | 43         | 14.80                   |
| 30 | Nov-08 | 4.5 | 0.5        | -3.56                   | 57 | Dec-22 | 4.5 | 34         | 10.91                   |
| 31 | Jun-09 | 4.5 | 1          | -3.35                   | 58 | Jun-23 | 4.5 | 2.5        | -2.70                   |
| 32 | Nov-09 | 4.5 | 2          | -2.92                   | 59 | Nov-23 | 4.5 | 2.5        | -2.70                   |
| 33 | Jun-10 | 4.5 | 2          | -2.92                   | 60 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 34 | Nov-10 | 4.5 | 2          | -2.92                   | 61 | Nov-24 | 4.5 | 2.5        | -2.70                   |
| 35 | Jun-11 | 4.5 | 2          | -2.92                   | 62 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 36 | Nov-11 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 37 | Jun-12 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

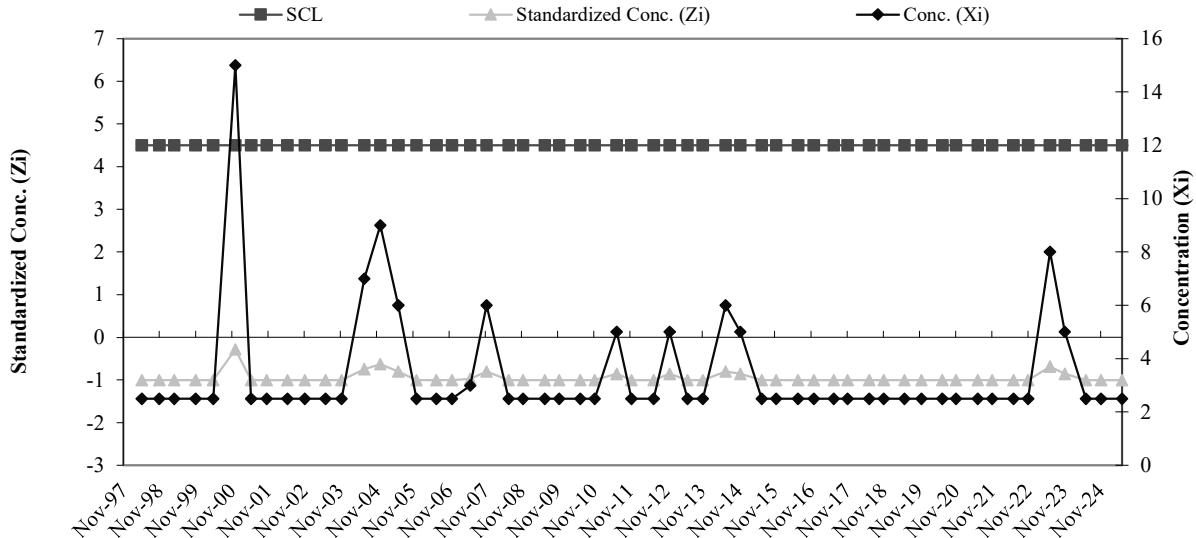


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-18A Ni**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 15    | <b>20.00</b> | <b>17.48</b> |
| 2             | Aug-95 | 20    |              |              |
| 3             | Feb-96 | 20    |              |              |
| 4             | Jun-96 | 10    |              |              |
| 5             | Aug-96 | 10    |              |              |
| 6             | Nov-96 | 10    |              |              |
| 7             | May-97 | 13    |              |              |
| 8             | Nov-97 | 62    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 2.5        | -1.00                   | 36 | Dec-12 | 4.5 | 5          | -0.86                   |
| 10 | Nov-98 | 4.5 | 2.5        | -1.00                   | 37 | Jun-13 | 4.5 | 2.5        | -1.00                   |
| 11 | Apr-99 | 4.5 | 2.5        | -1.00                   | 38 | Nov-13 | 4.5 | 2.5        | -1.00                   |
| 12 | Nov-99 | 4.5 | 2.5        | -1.00                   | 39 | Jun-14 | 4.5 | 6          | -0.80                   |
| 13 | Apr-00 | 4.5 | 2.5        | -1.00                   | 40 | Nov-14 | 4.5 | 5          | -0.86                   |
| 14 | Dec-00 | 4.5 | 15         | -0.29                   | 41 | Jun-15 | 4.5 | 2.5        | -1.00                   |
| 15 | May-01 | 4.5 | 2.5        | -1.00                   | 42 | Nov-15 | 4.5 | 2.5        | -1.00                   |
| 16 | Oct-01 | 4.5 | 2.5        | -1.00                   | 43 | Jun-16 | 4.5 | 2.5        | -1.00                   |
| 17 | May-02 | 4.5 | 2.5        | -1.00                   | 44 | Nov-16 | 4.5 | 2.5        | -1.00                   |
| 18 | Nov-02 | 4.5 | 2.5        | -1.00                   | 45 | Jun-17 | 4.5 | 2.5        | -1.00                   |
| 19 | Jun-03 | 4.5 | 2.5        | -1.00                   | 46 | Nov-17 | 4.5 | 2.5        | -1.00                   |
| 20 | Nov-03 | 4.5 | 2.5        | -1.00                   | 47 | Jun-18 | 4.5 | 2.5        | -1.00                   |
| 21 | Jun-04 | 4.5 | 7          | -0.74                   | 48 | Nov-18 | 4.5 | 2.5        | -1.00                   |
| 22 | Dec-04 | 4.5 | 9          | -0.63                   | 49 | Jun-19 | 4.5 | 2.5        | -1.00                   |
| 23 | Jun-05 | 4.5 | 6          | -0.80                   | 50 | Nov-19 | 4.5 | 2.5        | -1.00                   |
| 24 | Dec-05 | 4.5 | 2.5        | -1.00                   | 51 | Jun-20 | 4.5 | 2.5        | -1.00                   |
| 25 | Jun-06 | 4.5 | 2.5        | -1.00                   | 52 | Nov-20 | 4.5 | 2.5        | -1.00                   |
| 26 | Nov-06 | 4.5 | 2.5        | -1.00                   | 53 | Jun-21 | 4.5 | 2.5        | -1.00                   |
| 27 | Jun-07 | 4.5 | 3          | -0.97                   | 54 | Nov-21 | 4.5 | 2.5        | -1.00                   |
| 28 | Nov-07 | 4.5 | 6          | -0.80                   | 55 | Jun-22 | 4.5 | 2.5        | -1.00                   |
| 29 | Jun-08 | 4.5 | 2.5        | -1.00                   | 56 | Nov-22 | 4.5 | 2.5        | -1.00                   |
| 30 | Nov-08 | 4.5 | 2.5        | -1.00                   | 57 | Jun-23 | 4.5 | 8          | -0.69                   |
| 31 | Jun-09 | 4.5 | 2.5        | -1.00                   | 58 | Nov-23 | 4.5 | 5          | -0.86                   |
| 32 | Nov-09 | 4.5 | 2.5        | -1.00                   | 59 | Jun-24 | 4.5 | 2.5        | -1.00                   |
| 33 | Jun-10 | 4.5 | 2.5        | -1.00                   | 60 | Nov-24 | 4.5 | 2.5        | -1.00                   |
| 34 | Nov-10 | 4.5 | 2.5        | -1.00                   | 61 | Jun-25 | 4.5 | 2.5        | -1.00                   |
| 35 | Jun-11 | 4.5 | 5          | -0.86                   |    |        |     |            |                         |
| 36 | Nov-11 | 4.5 | 2.5        | -1.00                   |    |        |     |            |                         |
| 37 | Jun-12 | 4.5 | 2.5        | -1.00                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

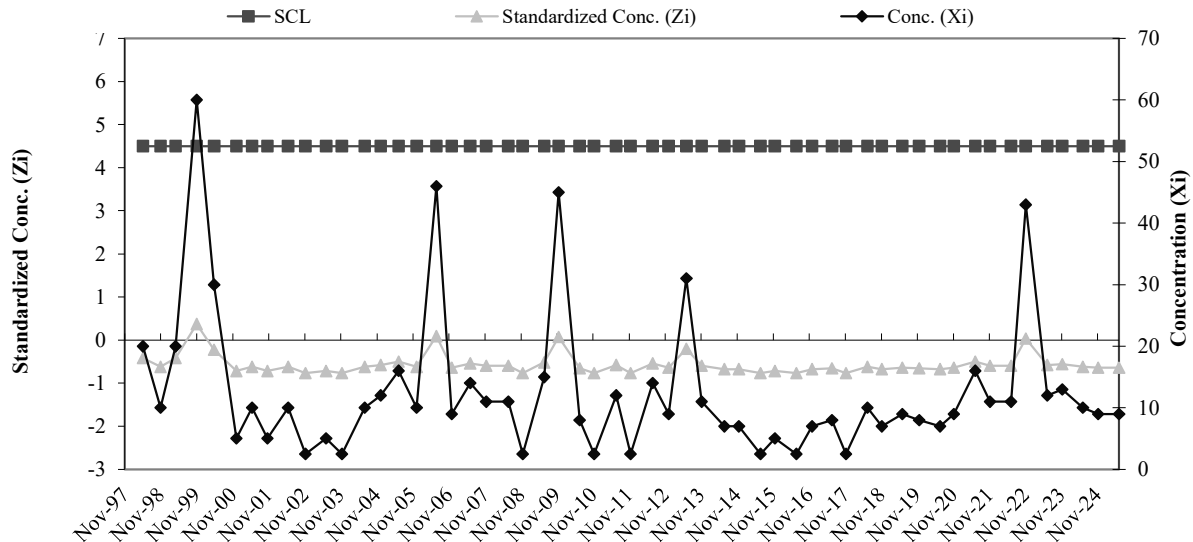


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-18A Zn**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 150   | 41.25 | 50.55    |
| 2             | Aug-95 | 10    |       |          |
| 3             | Feb-96 | 10    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 60    |       |          |
| 6             | Nov-96 | 70    |       |          |
| 7             | May-97 | 10    |       |          |
| 8             | Nov-97 | 10    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 20         | -0.42                   | 36 | Dec-12 | 4.5 | 9          | -0.64                   |
| 10 | Nov-98 | 4.5 | 10         | -0.62                   | 37 | Jun-13 | 4.5 | 31         | -0.20                   |
| 11 | Apr-99 | 4.5 | 20         | -0.42                   | 38 | Nov-13 | 4.5 | 11         | -0.60                   |
| 12 | Nov-99 | 4.5 | 60         | 0.37                    | 39 | Jun-14 | 4.5 | 7          | -0.68                   |
| 13 | Apr-00 | 4.5 | 30         | -0.22                   | 40 | Nov-14 | 4.5 | 7          | -0.68                   |
| 14 | Dec-00 | 4.5 | 5          | -0.72                   | 41 | Jun-15 | 4.5 | 2.5        | -0.77                   |
| 15 | May-01 | 4.5 | 10         | -0.62                   | 42 | Nov-15 | 4.5 | 5          | -0.72                   |
| 16 | Oct-01 | 4.5 | 5          | -0.72                   | 43 | Jun-16 | 4.5 | 2.5        | -0.77                   |
| 17 | May-02 | 4.5 | 10         | -0.62                   | 44 | Nov-16 | 4.5 | 7          | -0.68                   |
| 18 | Nov-02 | 4.5 | 2.5        | -0.77                   | 45 | Jun-17 | 4.5 | 8          | -0.66                   |
| 19 | Jun-03 | 4.5 | 5          | -0.72                   | 46 | Nov-17 | 4.5 | 2.5        | -0.77                   |
| 20 | Nov-03 | 4.5 | 2.5        | -0.77                   | 47 | Jun-18 | 4.5 | 10         | -0.62                   |
| 21 | Jun-04 | 4.5 | 10         | -0.62                   | 48 | Nov-18 | 4.5 | 7          | -0.68                   |
| 22 | Dec-04 | 4.5 | 12         | -0.58                   | 49 | Jun-19 | 4.5 | 9          | -0.64                   |
| 23 | Jun-05 | 4.5 | 16         | -0.50                   | 50 | Nov-19 | 4.5 | 8          | -0.66                   |
| 24 | Dec-05 | 4.5 | 10         | -0.62                   | 51 | Jun-20 | 4.5 | 7          | -0.68                   |
| 25 | Jun-06 | 4.5 | 46         | 0.09                    | 52 | Nov-20 | 4.5 | 9          | -0.64                   |
| 26 | Nov-06 | 4.5 | 9          | -0.64                   | 53 | Jun-21 | 4.5 | 16         | -0.50                   |
| 27 | Jun-07 | 4.5 | 14         | -0.54                   | 54 | Nov-21 | 4.5 | 11         | -0.60                   |
| 28 | Nov-07 | 4.5 | 11         | -0.60                   | 55 | Jun-22 | 4.5 | 11         | -0.60                   |
| 29 | Jun-08 | 4.5 | 11         | -0.60                   | 56 | Nov-22 | 4.5 | 43         | 0.03                    |
| 30 | Nov-08 | 4.5 | 2.5        | -0.77                   | 57 | Jun-23 | 4.5 | 12         | -0.58                   |
| 31 | Jun-09 | 4.5 | 15         | -0.52                   | 58 | Nov-23 | 4.5 | 13         | -0.56                   |
| 32 | Nov-09 | 4.5 | 45         | 0.07                    | 59 | Jun-24 | 4.5 | 10         | -0.62                   |
| 33 | Jun-10 | 4.5 | 8          | -0.66                   | 60 | Nov-24 | 4.5 | 9          | -0.64                   |
| 34 | Nov-10 | 4.5 | 2.5        | -0.77                   | 61 | Jun-25 | 4.5 | 9          | -0.64                   |
| 35 | Jun-11 | 4.5 | 12         | -0.58                   |    |        |     |            |                         |
| 36 | Nov-11 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 37 | Jun-12 | 4.5 | 14         | -0.54                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

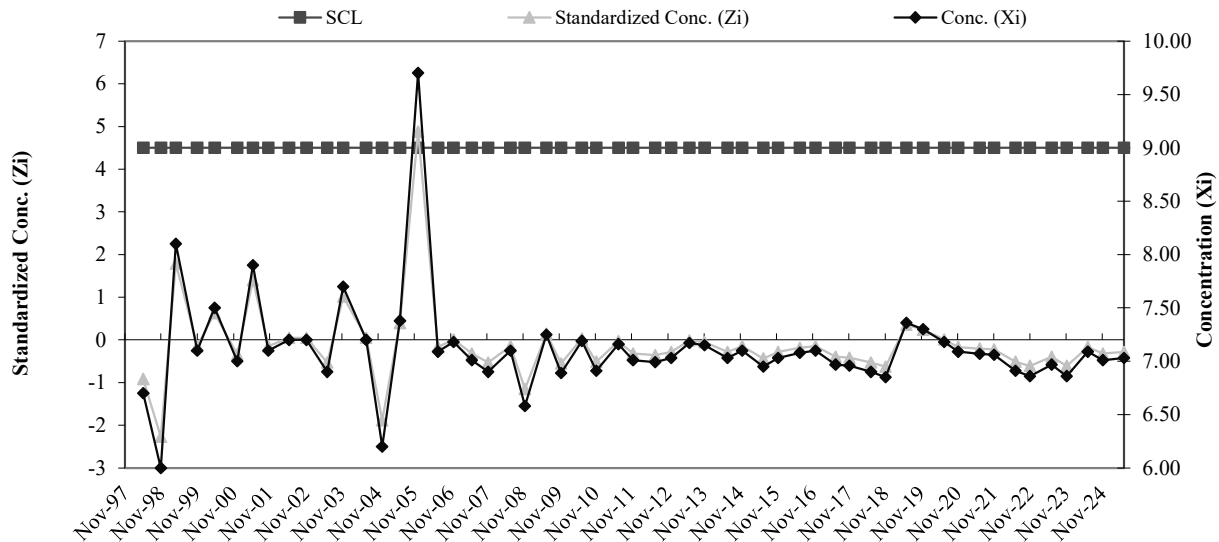


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-18A pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 7.50  | <b>7.18</b> | <b>0.52</b> |
| 2             | Aug-95 | 7.90  |             |             |
| 3             | Feb-96 | 7.40  |             |             |
| 4             | Jun-96 | 7.00  |             |             |
| 5             | Aug-96 | 7.50  |             |             |
| 6             | Nov-96 | 7.20  |             |             |
| 7             | May-97 | 6.50  |             |             |
| 8             | Nov-97 | 6.40  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 6.70       | -0.92                   | 36 | Dec-12 | 4.5 | 7.03       | -0.28                   |
| 10 | Nov-98 | 4.5 | 6.00       | -2.27                   | 37 | Jun-13 | 4.5 | 7.17       | -0.01                   |
| 11 | Apr-99 | 4.5 | 8.10       | 1.79                    | 38 | Nov-13 | 4.5 | 7.15       | -0.05                   |
| 12 | Nov-99 | 4.5 | 7.10       | -0.14                   | 39 | Jun-14 | 4.5 | 7.03       | -0.28                   |
| 13 | Apr-00 | 4.5 | 7.50       | 0.63                    | 40 | Nov-14 | 4.5 | 7.10       | -0.14                   |
| 14 | Dec-00 | 4.5 | 7.00       | -0.34                   | 41 | Jun-15 | 4.5 | 6.95       | -0.43                   |
| 15 | May-01 | 4.5 | 7.90       | 1.40                    | 42 | Nov-15 | 4.5 | 7.03       | -0.28                   |
| 16 | Oct-01 | 4.5 | 7.10       | -0.14                   | 43 | Jun-16 | 4.5 | 7.08       | -0.18                   |
| 17 | May-02 | 4.5 | 7.20       | 0.05                    | 44 | Nov-16 | 4.5 | 7.10       | -0.14                   |
| 18 | Nov-02 | 4.5 | 7.20       | 0.05                    | 45 | Jun-17 | 4.5 | 6.97       | -0.40                   |
| 19 | Jun-03 | 4.5 | 6.90       | -0.53                   | 46 | Nov-17 | 4.5 | 6.96       | -0.42                   |
| 20 | Nov-03 | 4.5 | 7.70       | 1.01                    | 47 | Jun-18 | 4.5 | 6.90       | -0.53                   |
| 21 | Jun-04 | 4.5 | 7.20       | 0.05                    | 48 | Nov-18 | 4.5 | 6.85       | -0.63                   |
| 22 | Dec-04 | 4.5 | 6.20       | -1.88                   | 49 | Jun-19 | 4.5 | 7.36       | 0.36                    |
| 23 | Jun-05 | 4.5 | 7.38       | 0.40                    | 50 | Nov-19 | 4.5 | 7.30       | 0.24                    |
| 24 | Dec-05 | 4.5 | 9.70       | 4.88                    | 51 | Jun-20 | 4.5 | 7.18       | 0.01                    |
| 25 | Jun-06 | 4.5 | 7.09       | -0.16                   | 52 | Nov-20 | 4.5 | 7.09       | -0.16                   |
| 26 | Nov-06 | 4.5 | 7.18       | 0.01                    | 53 | Jun-21 | 4.5 | 7.07       | -0.20                   |
| 27 | Jun-07 | 4.5 | 7.01       | -0.32                   | 54 | Nov-21 | 4.5 | 7.06       | -0.22                   |
| 28 | Nov-07 | 4.5 | 6.90       | -0.53                   | 55 | Jun-22 | 4.5 | 6.91       | -0.51                   |
| 29 | Jun-08 | 4.5 | 7.10       | -0.14                   | 56 | Nov-22 | 4.5 | 6.86       | -0.61                   |
| 30 | Nov-08 | 4.5 | 6.58       | -1.15                   | 57 | Jun-23 | 4.5 | 6.97       | -0.40                   |
| 31 | Jun-09 | 4.5 | 7.25       | 0.14                    | 58 | Nov-23 | 4.5 | 6.86       | -0.61                   |
| 32 | Nov-09 | 4.5 | 6.89       | -0.55                   | 59 | Jun-24 | 4.5 | 7.09       | -0.16                   |
| 33 | Jun-10 | 4.5 | 7.19       | 0.03                    | 60 | Nov-24 | 4.5 | 7.01       | -0.32                   |
| 34 | Nov-10 | 4.5 | 6.91       | -0.51                   | 61 | Jun-25 | 4.5 | 7.03       | -0.28                   |
| 35 | Jun-11 | 4.5 | 7.16       | -0.03                   |    |        |     |            |                         |
| 36 | Nov-11 | 4.5 | 7.01       | -0.32                   |    |        |     |            |                         |
| 37 | Jun-12 | 4.5 | 6.99       | -0.36                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

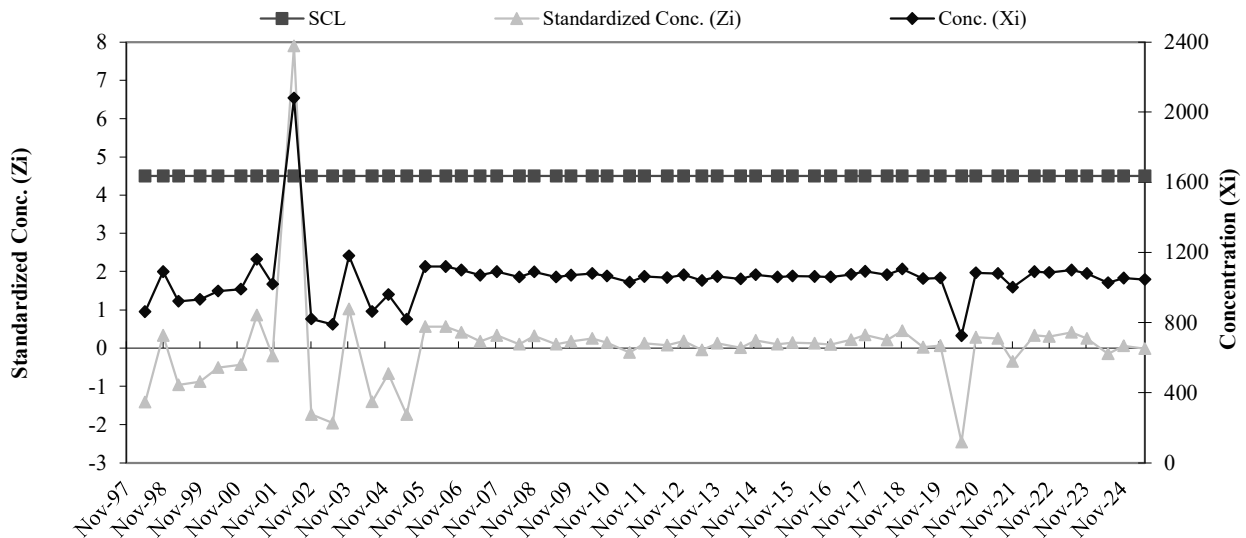


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-18A SpC**

| Baseline Data |        |       |                 |               |
|---------------|--------|-------|-----------------|---------------|
| Ti            | Date   | Conc. | Mean            | Std. Dev      |
| 1             | Jun-95 | 1048  | <b>1,046.75</b> | <b>130.80</b> |
| 2             | Aug-95 | 989   |                 |               |
| 3             | Feb-96 | 1021  |                 |               |
| 4             | Jun-96 | 944.0 |                 |               |
| 5             | Aug-96 | 1041  |                 |               |
| 6             | Nov-96 | 1331  |                 |               |
| 7             | May-97 | 900   |                 |               |
| 8             | Nov-97 | 1100  |                 |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 862        | -1.41                   | 36 | Dec-12 | 4.5 | 1071       | 0.19                    |
| 10 | Nov-98 | 4.5 | 1090.0     | 0.33                    | 37 | Jun-13 | 4.5 | 1040       | -0.05                   |
| 11 | Apr-99 | 4.5 | 921        | -0.96                   | 38 | Nov-13 | 4.5 | 1063       | 0.12                    |
| 12 | Nov-99 | 4.5 | 932        | -0.88                   | 39 | Jun-14 | 4.5 | 1048       | 0.01                    |
| 13 | Apr-00 | 4.5 | 980        | -0.51                   | 40 | Nov-14 | 4.5 | 1073       | 0.20                    |
| 14 | Dec-00 | 4.5 | 990.0      | -0.43                   | 41 | Jun-15 | 4.5 | 1060       | 0.10                    |
| 15 | May-01 | 4.5 | 1160       | 0.87                    | 42 | Nov-15 | 4.5 | 1065       | 0.14                    |
| 16 | Oct-01 | 4.5 | 1020       | -0.20                   | 43 | Jun-16 | 4.5 | 1063       | 0.12                    |
| 17 | May-02 | 4.5 | 2080       | 7.90                    | 44 | Nov-16 | 4.5 | 1059       | 0.09                    |
| 18 | Nov-02 | 4.5 | 820        | -1.73                   | 45 | Jun-17 | 4.5 | 1075       | 0.22                    |
| 19 | Jun-03 | 4.5 | 790        | -1.96                   | 46 | Nov-17 | 4.5 | 1092       | 0.35                    |
| 20 | Nov-03 | 4.5 | 1180       | 1.02                    | 47 | Jun-18 | 4.5 | 1074       | 0.21                    |
| 21 | Jun-04 | 4.5 | 863        | -1.40                   | 48 | Nov-18 | 4.5 | 1106       | 0.45                    |
| 22 | Dec-04 | 4.5 | 960        | -0.66                   | 49 | Jun-19 | 4.5 | 1050       | 0.02                    |
| 23 | Jun-05 | 4.5 | 819        | -1.74                   | 50 | Nov-19 | 4.5 | 1055       | 0.06                    |
| 24 | Dec-05 | 4.5 | 1120       | 0.56                    | 51 | Jun-20 | 4.5 | 725        | -2.46                   |
| 25 | Jun-06 | 4.5 | 1120       | 0.56                    | 52 | Nov-20 | 4.5 | 1084       | 0.28                    |
| 26 | Nov-06 | 4.5 | 1100       | 0.41                    | 53 | Jun-21 | 4.5 | 1080       | 0.25                    |
| 27 | Jun-07 | 4.5 | 1070       | 0.18                    | 54 | Nov-21 | 4.5 | 1001       | -0.35                   |
| 28 | Nov-07 | 4.5 | 1090       | 0.33                    | 55 | Jun-22 | 4.5 | 1090       | 0.33                    |
| 29 | Jun-08 | 4.5 | 1060       | 0.10                    | 56 | Nov-22 | 4.5 | 1086       | 0.30                    |
| 30 | Nov-08 | 4.5 | 1088       | 0.32                    | 57 | Jun-23 | 4.5 | 1100       | 0.41                    |
| 31 | Jun-09 | 4.5 | 1060       | 0.10                    | 58 | Nov-23 | 4.5 | 1080       | 0.25                    |
| 32 | Nov-09 | 4.5 | 1070       | 0.18                    | 59 | Jun-24 | 4.5 | 1028       | -0.14                   |
| 33 | Jun-10 | 4.5 | 1080       | 0.25                    | 60 | Nov-24 | 4.5 | 1054       | 0.06                    |
| 34 | Nov-10 | 4.5 | 1065       | 0.14                    | 61 | Jun-25 | 4.5 | 1045       | -0.01                   |
| 35 | Jun-11 | 4.5 | 1031       | -0.12                   |    |        |     |            |                         |
| 35 | Nov-11 | 4.5 | 1063       | 0.12                    |    |        |     |            |                         |
| 35 | Jun-12 | 4.5 | 1057       | 0.08                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

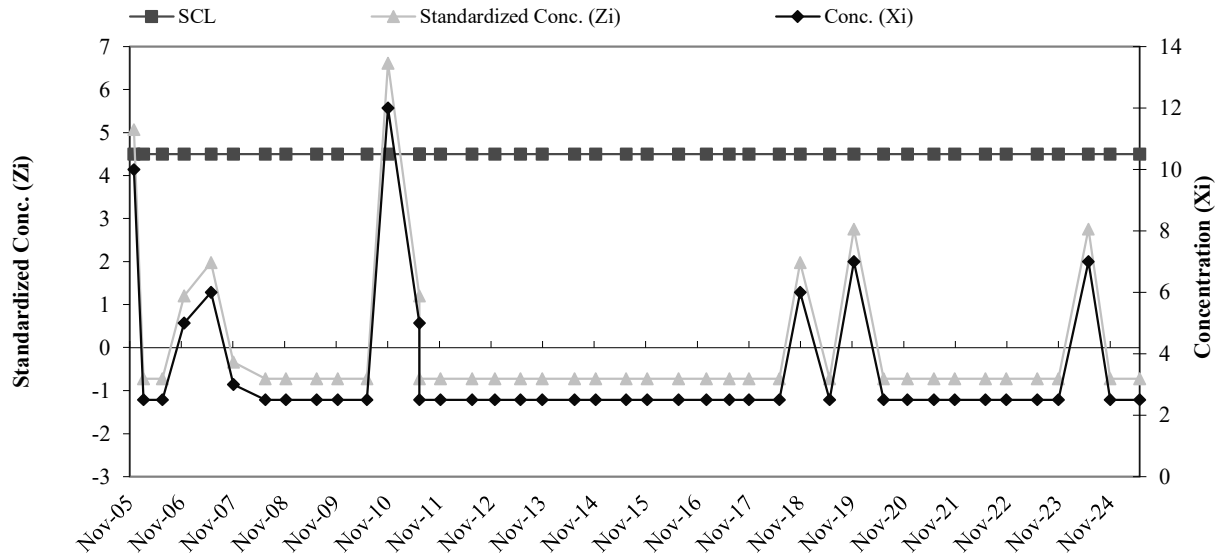


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-19AR Cr**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | May-98 | 5     | <b>3.44</b> | <b>1.29</b> |
| 2             | May-01 | 5     |             |             |
| 3             | May-02 | 5     |             |             |
| 4             | Jun-03 | 2.5   |             |             |
| 5             | Nov-03 | 2.5   |             |             |
| 6             | Jun-04 | 2.5   |             |             |
| 7             | Dec-04 | 2.5   |             |             |
| 8             | Jun-05 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 10         | 5.07                    | 37 | Nov-18 | 4.5 | 6          | 1.98                    |
| 10 | Feb-06 | 4.5 | 2.5        | -0.72                   | 38 | Jun-19 | 4.5 | 2.5        | -0.72                   |
| 11 | Jun-06 | 4.5 | 2.5        | -0.72                   | 39 | Nov-19 | 4.5 | 7          | 2.75                    |
| 12 | Nov-06 | 4.5 | 5          | 1.21                    | 40 | Jun-20 | 4.5 | 2.5        | -0.72                   |
| 13 | Jun-07 | 4.5 | 6          | 1.98                    | 41 | Dec-20 | 4.5 | 2.5        | -0.72                   |
| 14 | Nov-07 | 4.5 | 3          | -0.34                   | 42 | Jun-21 | 4.5 | 2.5        | -0.72                   |
| 15 | Jun-08 | 4.5 | 2.5        | -0.72                   | 43 | Nov-21 | 4.5 | 2.5        | -0.72                   |
| 16 | Nov-08 | 4.5 | 2.5        | -0.72                   | 44 | Jun-22 | 4.5 | 2.5        | -0.72                   |
| 17 | Jun-09 | 4.5 | 2.5        | -0.72                   | 45 | Nov-22 | 4.5 | 2.5        | -0.72                   |
| 18 | Nov-09 | 4.5 | 2.5        | -0.72                   | 46 | Jun-23 | 4.5 | 2.5        | -0.72                   |
| 19 | Jun-10 | 4.5 | 2.5        | -0.72                   | 47 | Nov-23 | 4.5 | 2.5        | -0.72                   |
| 20 | Nov-10 | 4.5 | 12         | 6.62                    | 48 | Jun-24 | 4.5 | 7          | 2.75                    |
| 21 | Jun-11 | 4.5 | 5          | 1.21                    | 49 | Nov-24 | 4.5 | 2.5        | -0.72                   |
| 22 | Jun-11 | 4.5 | 2.5        | -0.72                   | 50 | Jun-25 | 4.5 | 2.5        | -0.72                   |
| 23 | Nov-11 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 24 | Jun-12 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 25 | Dec-12 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 26 | Jun-13 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 27 | Nov-13 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 28 | Jun-14 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 29 | Nov-14 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 30 | Jun-15 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 31 | Nov-15 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 32 | Jun-16 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 33 | Jan-17 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 34 | Jun-17 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 35 | Nov-17 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 36 | Jun-18 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

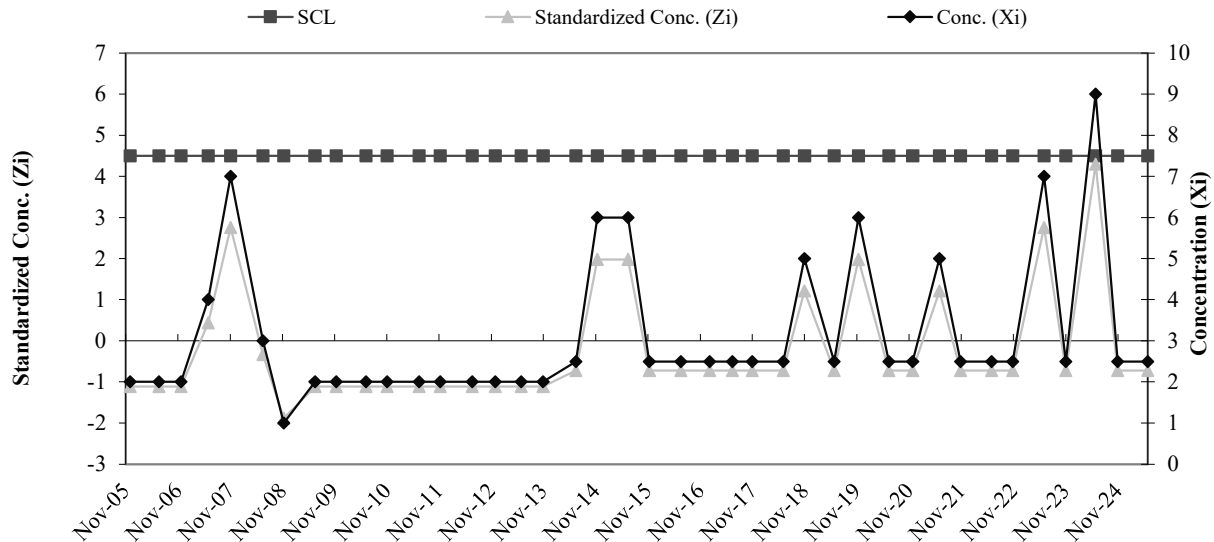


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-19AR Cu**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | May-98 | 5     | <b>3.44</b> | <b>1.29</b> |
| 2             | May-01 | 5     |             |             |
| 3             | May-02 | 5     |             |             |
| 4             | Jun-03 | 2.5   |             |             |
| 5             | Nov-03 | 2.5   |             |             |
| 6             | Jun-04 | 2.5   |             |             |
| 7             | Dec-04 | 2.5   |             |             |
| 8             | Jun-05 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 2          | -1.11                   | 36 | Jun-19 | 4.5 | 2.5        | -0.72                   |
| 10 | Jun-06 | 4.5 | 2          | -1.11                   | 37 | Nov-19 | 4.5 | 6          | 1.98                    |
| 11 | Nov-06 | 4.5 | 2          | -1.11                   | 38 | Jun-20 | 4.5 | 2.5        | -0.72                   |
| 12 | Jun-07 | 4.5 | 4          | 0.43                    | 39 | Dec-20 | 4.5 | 2.5        | -0.72                   |
| 13 | Nov-07 | 4.5 | 7          | 2.75                    | 40 | Jun-21 | 4.5 | 5          | 1.21                    |
| 14 | Jun-08 | 4.5 | 3          | -0.34                   | 41 | Nov-21 | 4.5 | 2.5        | -0.72                   |
| 15 | Nov-08 | 4.5 | 1          | -1.88                   | 42 | Jun-22 | 4.5 | 2.5        | -0.72                   |
| 16 | Jun-09 | 4.5 | 2          | -1.11                   | 43 | Nov-22 | 4.5 | 2.5        | -0.72                   |
| 17 | Nov-09 | 4.5 | 2          | -1.11                   | 44 | Jun-23 | 4.5 | 7          | 2.75                    |
| 18 | Jun-10 | 4.5 | 2          | -1.11                   | 45 | Nov-23 | 4.5 | 2.5        | -0.72                   |
| 19 | Nov-10 | 4.5 | 2          | -1.11                   | 46 | Jun-24 | 4.5 | 9          | 4.30                    |
| 20 | Jun-11 | 4.5 | 2          | -1.11                   | 47 | Nov-24 | 4.5 | 2.5        | -0.72                   |
| 21 | Nov-11 | 4.5 | 2          | -1.11                   | 48 | Jun-25 | 4.5 | 2.5        | -0.72                   |
| 22 | Jun-12 | 4.5 | 2          | -1.11                   |    |        |     |            |                         |
| 23 | Dec-12 | 4.5 | 2          | -1.11                   |    |        |     |            |                         |
| 24 | Jun-13 | 4.5 | 2          | -1.11                   |    |        |     |            |                         |
| 25 | Nov-13 | 4.5 | 2          | -1.11                   |    |        |     |            |                         |
| 26 | Jun-14 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 27 | Nov-14 | 4.5 | 6          | 1.98                    |    |        |     |            |                         |
| 28 | Jun-15 | 4.5 | 6          | 1.98                    |    |        |     |            |                         |
| 29 | Nov-15 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 30 | Jun-16 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 31 | Jan-17 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 32 | Jun-17 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 33 | Nov-17 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 34 | Jun-18 | 4.5 | 2.5        | -0.72                   |    |        |     |            |                         |
| 35 | Nov-18 | 4.5 | 5          | 1.21                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

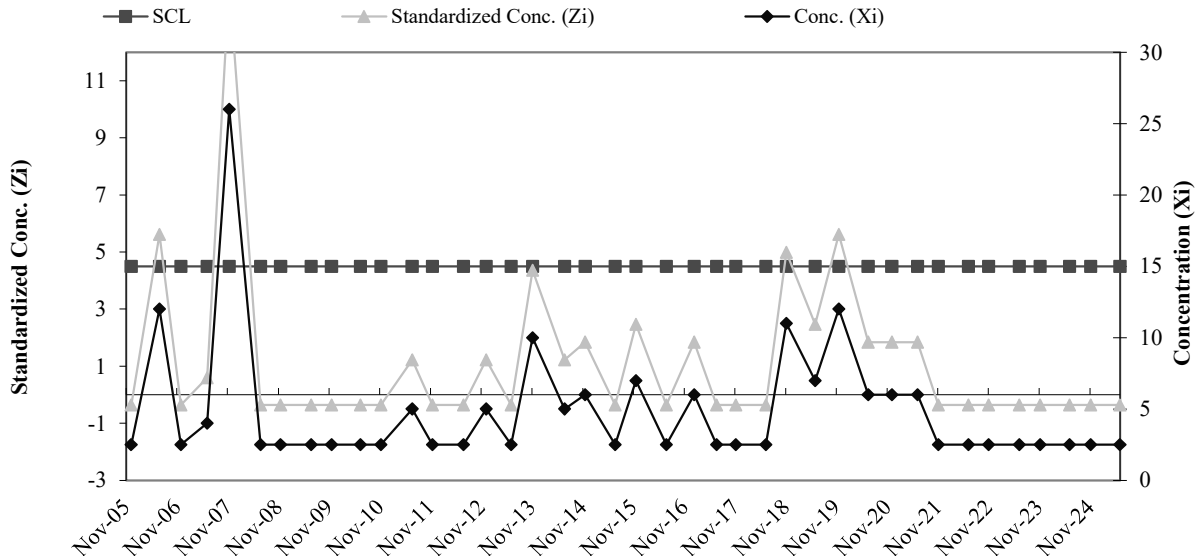


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-19AR Ni**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | May-98 | 2.5   | <b>3.06</b> | <b>1.59</b> |
| 2             | May-01 | 2.5   |             |             |
| 3             | May-02 | 2.5   |             |             |
| 4             | Jun-03 | 2.5   |             |             |
| 5             | Nov-03 | 2.5   |             |             |
| 6             | Jun-04 | 2.5   |             |             |
| 7             | Dec-04 | 2.5   |             |             |
| 8             | Jun-05 | 7     |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 2.5        | -0.35                   | 37 | Jun-19 | 4.5 | 7          | 2.47                    |
| 10 | Jun-06 | 4.5 | 12         | 5.62                    | 38 | Nov-19 | 4.5 | 12         | 5.62                    |
| 11 | Nov-06 | 4.5 | 2.5        | -0.35                   | 39 | Jun-20 | 4.5 | 6          | 1.85                    |
| 12 | Jun-07 | 4.5 | 4          | 0.59                    | 40 | Dec-20 | 4.5 | 6          | 1.85                    |
| 13 | Nov-07 | 4.5 | 26         | 14.42                   | 41 | Jun-21 | 4.5 | 6          | 1.85                    |
| 14 | Jun-08 | 4.5 | 2.5        | -0.35                   | 42 | Nov-21 | 4.5 | 2.5        | -0.35                   |
| 15 | Nov-08 | 4.5 | 2.5        | -0.35                   | 43 | Jun-22 | 4.5 | 2.5        | -0.35                   |
| 16 | Jun-09 | 4.5 | 2.5        | -0.35                   | 44 | Nov-22 | 4.5 | 2.5        | -0.35                   |
| 17 | Nov-09 | 4.5 | 2.5        | -0.35                   | 45 | Jun-23 | 4.5 | 2.5        | -0.35                   |
| 19 | Jun-10 | 4.5 | 2.5        | -0.35                   | 46 | Nov-23 | 4.5 | 2.5        | -0.35                   |
| 20 | Nov-10 | 4.5 | 2.5        | -0.35                   | 47 | Jun-24 | 4.5 | 2.5        | -0.35                   |
| 21 | Jun-11 | 4.5 | 5          | 1.22                    | 48 | Nov-24 | 4.5 | 2.5        | -0.35                   |
| 22 | Nov-11 | 4.5 | 2.5        | -0.35                   | 49 | Jun-25 | 4.5 | 2.5        | -0.35                   |
| 23 | Jun-12 | 4.5 | 2.5        | -0.35                   |    |        |     |            |                         |
| 24 | Dec-12 | 4.5 | 5          | 1.22                    |    |        |     |            |                         |
| 25 | Jun-13 | 4.5 | 2.5        | -0.35                   |    |        |     |            |                         |
| 26 | Nov-13 | 4.5 | 10         | 4.36                    |    |        |     |            |                         |
| 27 | Jun-14 | 4.5 | 5          | 1.22                    |    |        |     |            |                         |
| 28 | Nov-14 | 4.5 | 6          | 1.85                    |    |        |     |            |                         |
| 29 | Jun-15 | 4.5 | 2.5        | -0.35                   |    |        |     |            |                         |
| 30 | Nov-15 | 4.5 | 7          | 2.47                    |    |        |     |            |                         |
| 31 | Jun-16 | 4.5 | 2.5        | -0.35                   |    |        |     |            |                         |
| 32 | Jan-17 | 4.5 | 6          | 1.85                    |    |        |     |            |                         |
| 33 | Jun-17 | 4.5 | 2.5        | -0.35                   |    |        |     |            |                         |
| 34 | Nov-17 | 4.5 | 2.5        | -0.35                   |    |        |     |            |                         |
| 35 | Jun-18 | 4.5 | 2.5        | -0.35                   |    |        |     |            |                         |
| 36 | Nov-18 | 4.5 | 11         | 4.99                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

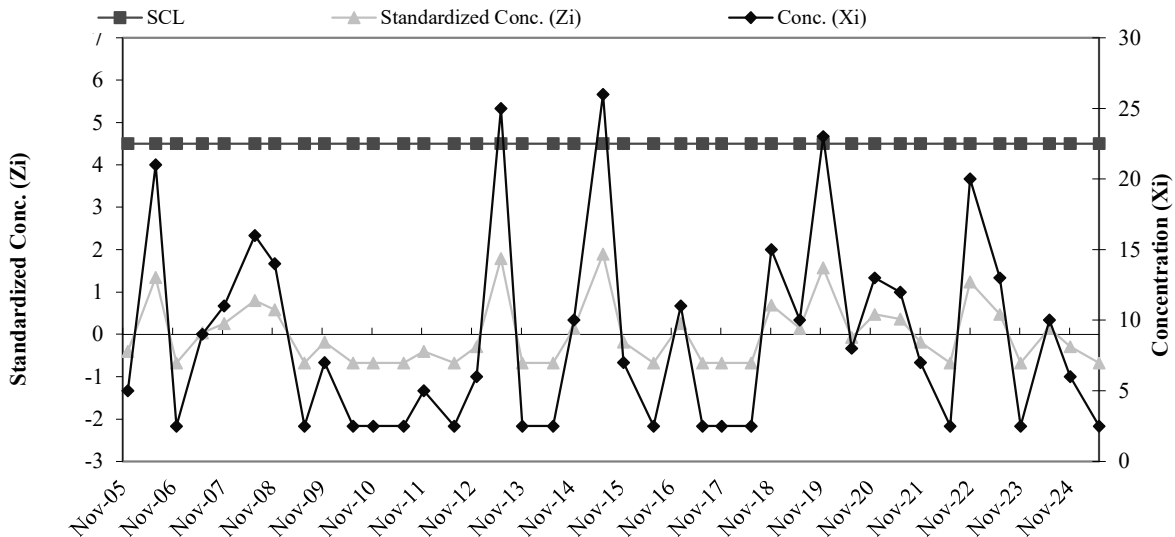


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-19AR Zn**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | May-98 | 30    | <b>8.69</b> | <b>9.14</b> |
| 2             | May-01 | 5     |             |             |
| 3             | May-02 | 10    |             |             |
| 4             | Jun-03 | 2.5   |             |             |
| 5             | Nov-03 | 2.5   |             |             |
| 6             | Jun-04 | 8     |             |             |
| 7             | Dec-04 | 9     |             |             |
| 8             | Jun-05 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 5          | -0.40                   | 37 | Nov-19 | 4.5 | 23         | 1.57                    |
| 10 | Jun-06 | 4.5 | 21         | 1.35                    | 38 | Jun-20 | 4.5 | 8          | -0.08                   |
| 11 | Nov-06 | 4.5 | 2.5        | -0.68                   | 39 | Dec-20 | 4.5 | 13         | 0.47                    |
| 12 | Jun-07 | 4.5 | 9          | 0.03                    | 40 | Jun-21 | 4.5 | 12         | 0.36                    |
| 13 | Nov-07 | 4.5 | 11         | 0.25                    | 41 | Nov-21 | 4.5 | 7          | -0.18                   |
| 14 | Jun-08 | 4.5 | 16         | 0.80                    | 42 | Jun-22 | 4.5 | 2.5        | -0.68                   |
| 15 | Nov-08 | 4.5 | 14         | 0.58                    | 43 | Nov-22 | 4.5 | 20         | 1.24                    |
| 16 | Jun-09 | 4.5 | 2.5        | -0.68                   | 44 | Jun-23 | 4.5 | 13         | 0.47                    |
| 17 | Nov-09 | 4.5 | 7          | -0.18                   | 45 | Nov-23 | 4.5 | 2.5        | -0.68                   |
| 18 | Jun-10 | 4.5 | 2.5        | -0.68                   | 46 | Jun-24 | 4.5 | 10         | 0.14                    |
| 19 | Nov-10 | 4.5 | 2.5        | -0.68                   | 47 | Nov-24 | 4.5 | 6          | -0.29                   |
| 20 | Jun-11 | 4.5 | 2.5        | -0.68                   | 48 | Jun-25 | 4.5 | 2.5        | -0.68                   |
| 21 | Nov-11 | 4.5 | 5          | -0.40                   |    |        |     |            |                         |
| 22 | Jun-12 | 4.5 | 2.5        | -0.68                   |    |        |     |            |                         |
| 23 | Dec-12 | 4.5 | 6          | -0.29                   |    |        |     |            |                         |
| 24 | Jun-13 | 4.5 | 25         | 1.78                    |    |        |     |            |                         |
| 25 | Nov-13 | 4.5 | 2.5        | -0.68                   |    |        |     |            |                         |
| 26 | Jun-14 | 4.5 | 2.5        | -0.68                   |    |        |     |            |                         |
| 27 | Nov-14 | 4.5 | 10         | 0.14                    |    |        |     |            |                         |
| 28 | Jun-15 | 4.5 | 26         | 1.89                    |    |        |     |            |                         |
| 29 | Nov-15 | 4.5 | 7          | -0.18                   |    |        |     |            |                         |
| 30 | Jun-16 | 4.5 | 2.5        | -0.68                   |    |        |     |            |                         |
| 31 | Jan-17 | 4.5 | 11         | 0.25                    |    |        |     |            |                         |
| 32 | Jun-17 | 4.5 | 2.5        | -0.68                   |    |        |     |            |                         |
| 33 | Nov-17 | 4.5 | 2.5        | -0.68                   |    |        |     |            |                         |
| 34 | Jun-18 | 4.5 | 2.5        | -0.68                   |    |        |     |            |                         |
| 35 | Nov-18 | 4.5 | 15         | 0.69                    |    |        |     |            |                         |
| 36 | Jun-19 | 4.5 | 10         | 0.14                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

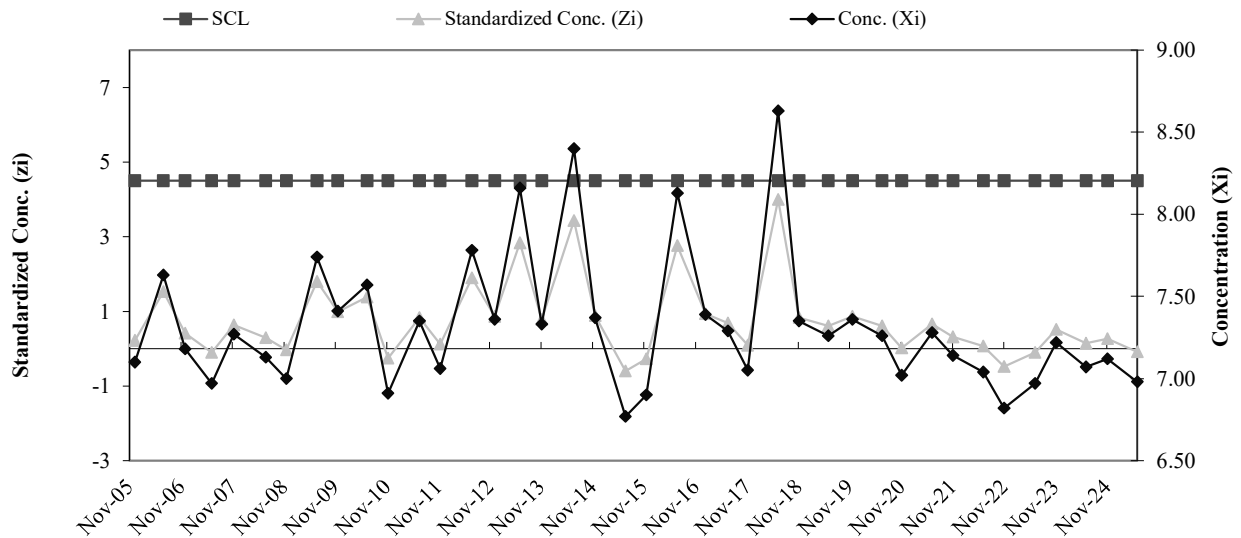


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-19AR pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | May-98 | 6.80  | <b>7.01</b> | <b>0.40</b> |
| 2             | May-01 | 7.10  |             |             |
| 3             | May-02 | 7.20  |             |             |
| 4             | Jun-03 | 6.90  |             |             |
| 5             | Nov-03 | 7.60  |             |             |
| 6             | Jun-04 | 7.20  |             |             |
| 7             | Dec-04 | 6.20  |             |             |
| 8             | Jun-05 | 7.09  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 7.10       | 0.22                    | 38 | Jun-20 | 4.5 | 7.26       | 0.61                    |
| 10 | Jun-06 | 4.5 | 7.63       | 1.53                    | 39 | Nov-20 | 4.5 | 7.02       | 0.02                    |
| 11 | Nov-06 | 4.5 | 7.18       | 0.42                    | 40 | Jun-21 | 4.5 | 7.28       | 0.66                    |
| 12 | Jun-07 | 4.5 | 6.97       | -0.10                   | 41 | Nov-21 | 4.5 | 7.14       | 0.32                    |
| 13 | Nov-07 | 4.5 | 7.27       | 0.64                    | 42 | Jun-22 | 4.5 | 7.04       | 0.07                    |
| 14 | Jun-08 | 4.5 | 7.13       | 0.29                    | 43 | Nov-22 | 4.5 | 6.82       | -0.47                   |
| 15 | Nov-08 | 4.5 | 7.00       | -0.03                   | 44 | Jun-23 | 4.5 | 6.97       | -0.10                   |
| 16 | Jun-09 | 4.5 | 7.74       | 1.80                    | 45 | Nov-23 | 4.5 | 7.22       | 0.52                    |
| 17 | Nov-09 | 4.5 | 7.41       | 0.99                    | 46 | Jun-24 | 4.5 | 7.07       | 0.15                    |
| 18 | Jun-10 | 4.5 | 7.57       | 1.38                    | 47 | Nov-24 | 4.5 | 7.12       | 0.27                    |
| 19 | Nov-10 | 4.5 | 6.91       | -0.25                   | 48 | Jun-25 | 4.5 | 6.98       | -0.08                   |
| 20 | Jun-11 | 4.5 | 7.35       | 0.84                    |    |        |     |            |                         |
| 21 | Nov-11 | 4.5 | 7.06       | 0.12                    |    |        |     |            |                         |
| 22 | Jun-12 | 4.5 | 7.78       | 1.90                    |    |        |     |            |                         |
| 23 | Dec-12 | 4.5 | 7.36       | 0.86                    |    |        |     |            |                         |
| 24 | Jun-13 | 4.5 | 8.16       | 2.84                    |    |        |     |            |                         |
| 25 | Nov-13 | 4.5 | 7.33       | 0.79                    |    |        |     |            |                         |
| 26 | Jun-14 | 4.5 | 8.40       | 3.43                    |    |        |     |            |                         |
| 27 | Nov-14 | 4.5 | 7.37       | 0.89                    |    |        |     |            |                         |
| 28 | Jun-15 | 4.5 | 6.77       | -0.60                   |    |        |     |            |                         |
| 29 | Nov-15 | 4.5 | 6.90       | -0.27                   |    |        |     |            |                         |
| 30 | Jun-16 | 4.5 | 8.13       | 2.76                    |    |        |     |            |                         |
| 31 | Jan-17 | 4.5 | 7.39       | 0.94                    |    |        |     |            |                         |
| 32 | Jun-17 | 4.5 | 7.29       | 0.69                    |    |        |     |            |                         |
| 33 | Nov-17 | 4.5 | 7.05       | 0.10                    |    |        |     |            |                         |
| 34 | Jun-18 | 4.5 | 8.63       | 4.00                    |    |        |     |            |                         |
| 35 | Nov-18 | 4.5 | 7.35       | 0.84                    |    |        |     |            |                         |
| 36 | Jun-19 | 4.5 | 7.26       | 0.61                    |    |        |     |            |                         |
| 37 | Nov-19 | 4.5 | 7.36       | 0.86                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

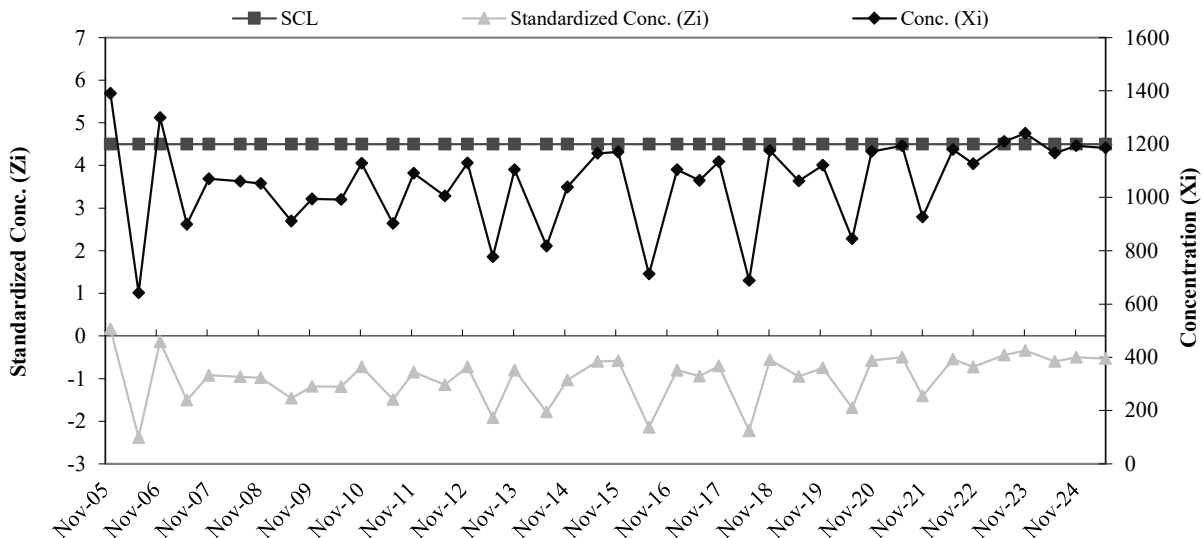


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-19AR SpC**

| Baseline Data |        |       |          |          |
|---------------|--------|-------|----------|----------|
| Ti            | Date   | Conc. | Mean     | Std. Dev |
| 1             | May-98 | 1480  | 1,340.63 | 293.72   |
| 2             | May-01 | 1050  |          |          |
| 3             | May-02 | 1740  |          |          |
| 4             | Jun-03 | 1350  |          |          |
| 5             | Nov-03 | 1620  |          |          |
| 6             | Jun-04 | 1316  |          |          |
| 7             | Dec-04 | 1340  |          |          |
| 8             | Jun-05 | 829   |          |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 1390       | 0.17                    | 38 | Jun-20 | 4.5 | 845        | -1.69                   |
| 10 | Jun-06 | 4.5 | 642        | -2.38                   | 39 | Nov-20 | 4.5 | 1172       | -0.57                   |
| 11 | Nov-06 | 4.5 | 1300       | -0.14                   | 40 | Jun-21 | 4.5 | 1194       | -0.50                   |
| 12 | Jun-07 | 4.5 | 899        | -1.50                   | 41 | Nov-21 | 4.5 | 926        | -1.41                   |
| 13 | Nov-07 | 4.5 | 1070       | -0.92                   | 42 | Jun-22 | 4.5 | 1180       | -0.55                   |
| 14 | Jun-08 | 4.5 | 1060       | -0.96                   | 43 | Nov-22 | 4.5 | 1126       | -0.73                   |
| 15 | Nov-08 | 4.5 | 1052       | -0.98                   | 44 | Jun-23 | 4.5 | 1210       | -0.44                   |
| 16 | Jun-09 | 4.5 | 911        | -1.46                   | 45 | Nov-23 | 4.5 | 1240       | -0.34                   |
| 17 | Nov-09 | 4.5 | 994        | -1.18                   | 46 | Jun-24 | 4.5 | 1166       | -0.59                   |
| 18 | Jun-10 | 4.5 | 992        | -1.19                   | 47 | Nov-24 | 4.5 | 1194       | -0.50                   |
| 19 | Nov-10 | 4.5 | 1128       | -0.72                   | 48 | Jun-25 | 4.5 | 1186       | -0.53                   |
| 20 | Jun-11 | 4.5 | 902        | -1.49                   |    |        |     |            |                         |
| 21 | Nov-11 | 4.5 | 1091       | -0.85                   |    |        |     |            |                         |
| 22 | Jun-12 | 4.5 | 1005       | -1.14                   |    |        |     |            |                         |
| 23 | Dec-12 | 4.5 | 1129       | -0.72                   |    |        |     |            |                         |
| 24 | Jun-13 | 4.5 | 777        | -1.92                   |    |        |     |            |                         |
| 25 | Nov-13 | 4.5 | 1104       | -0.81                   |    |        |     |            |                         |
| 26 | Jun-14 | 4.5 | 817        | -1.78                   |    |        |     |            |                         |
| 27 | Nov-14 | 4.5 | 1038       | -1.03                   |    |        |     |            |                         |
| 28 | Jun-15 | 4.5 | 1165       | -0.60                   |    |        |     |            |                         |
| 29 | Nov-15 | 4.5 | 1170       | -0.58                   |    |        |     |            |                         |
| 30 | Jun-16 | 4.5 | 712        | -2.14                   |    |        |     |            |                         |
| 31 | Jan-17 | 4.5 | 1104       | -0.81                   |    |        |     |            |                         |
| 32 | Jun-17 | 4.5 | 1064       | -0.94                   |    |        |     |            |                         |
| 33 | Nov-17 | 4.5 | 1134       | -0.70                   |    |        |     |            |                         |
| 34 | Jun-18 | 4.5 | 688        | -2.22                   |    |        |     |            |                         |
| 35 | Nov-18 | 4.5 | 1176       | -0.56                   |    |        |     |            |                         |
| 36 | Jun-19 | 4.5 | 1062       | -0.95                   |    |        |     |            |                         |
| 37 | Nov-19 | 4.5 | 1121       | -0.75                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

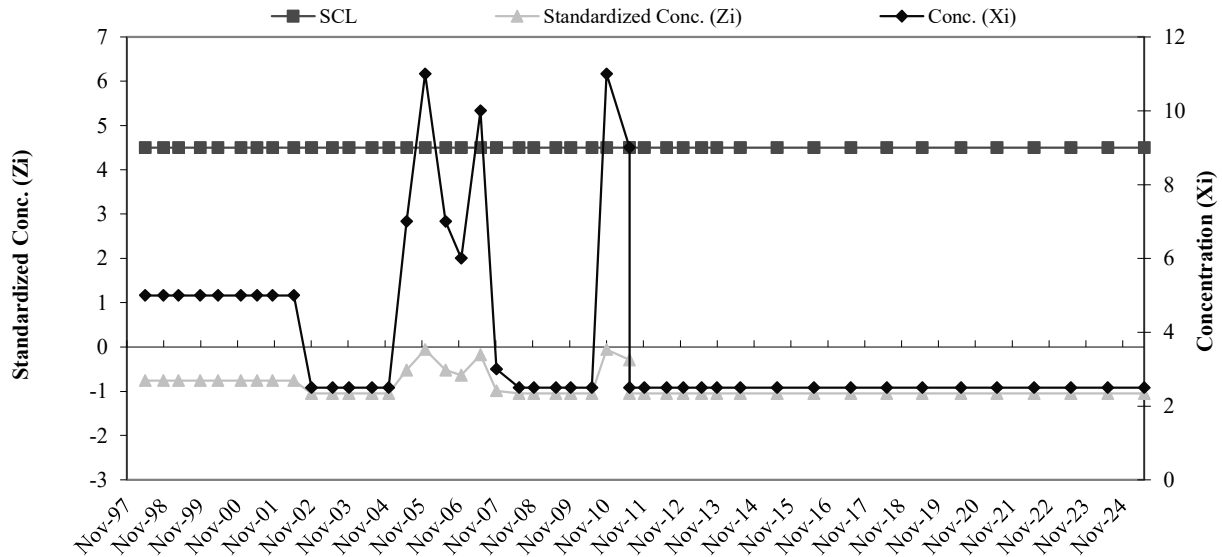


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-20D Cr**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 10    | 11.50 | 8.59     |
| 2             | Aug-95 | 10    |       |          |
| 3             | Feb-96 | 32    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | May-97 | 5     |       |          |
| 8             | Nov-97 | 5     |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -0.76                   | 37 | Nov-11 | 4.5 | 2.5        | -1.05                   |
| 10 | Nov-98 | 4.5 | 5          | -0.76                   | 38 | Jun-12 | 4.5 | 2.5        | -1.05                   |
| 11 | Apr-99 | 4.5 | 5          | -0.76                   | 39 | Dec-12 | 4.5 | 2.5        | -1.05                   |
| 12 | Nov-99 | 4.5 | 5          | -0.76                   | 40 | Jun-13 | 4.5 | 2.5        | -1.05                   |
| 13 | Apr-00 | 4.5 | 5          | -0.76                   | 41 | Nov-13 | 4.5 | 2.5        | -1.05                   |
| 14 | Dec-00 | 4.5 | 5          | -0.76                   | 42 | Jun-14 | 4.5 | 2.5        | -1.05                   |
| 15 | May-01 | 4.5 | 5          | -0.76                   | 43 | Jun-15 | 4.5 | 2.5        | -1.05                   |
| 16 | Oct-01 | 4.5 | 5          | -0.76                   | 44 | Jun-16 | 4.5 | 2.5        | -1.05                   |
| 17 | May-02 | 4.5 | 5          | -0.76                   | 45 | Jun-17 | 4.5 | 2.5        | -1.05                   |
| 18 | Nov-02 | 4.5 | 2.5        | -1.05                   | 46 | Jun-18 | 4.5 | 2.5        | -1.05                   |
| 19 | Jun-03 | 4.5 | 2.5        | -1.05                   | 47 | May-19 | 4.5 | 2.5        | -1.05                   |
| 20 | Nov-03 | 4.5 | 2.5        | -1.05                   | 48 | Jun-20 | 4.5 | 2.5        | -1.05                   |
| 21 | Jun-04 | 4.5 | 2.5        | -1.05                   | 49 | Jun-21 | 4.5 | 2.5        | -1.05                   |
| 22 | Dec-04 | 4.5 | 2.5        | -1.05                   | 50 | Jun-22 | 4.5 | 2.5        | -1.05                   |
| 23 | Jun-05 | 4.5 | 7          | -0.52                   | 51 | Jun-23 | 4.5 | 2.5        | -1.05                   |
| 24 | Dec-05 | 4.5 | 11         | -0.06                   | 52 | Jun-24 | 4.5 | 2.5        | -1.05                   |
| 25 | Jun-06 | 4.5 | 7          | -0.52                   | 53 | Jun-25 | 4.5 | 2.5        | -1.05                   |
| 26 | Nov-06 | 4.5 | 6          | -0.64                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 10         | -0.17                   |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 3          | -0.99                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 11         | -0.06                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 9          | -0.29                   |    |        |     |            |                         |
| 36 | Jun-11 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

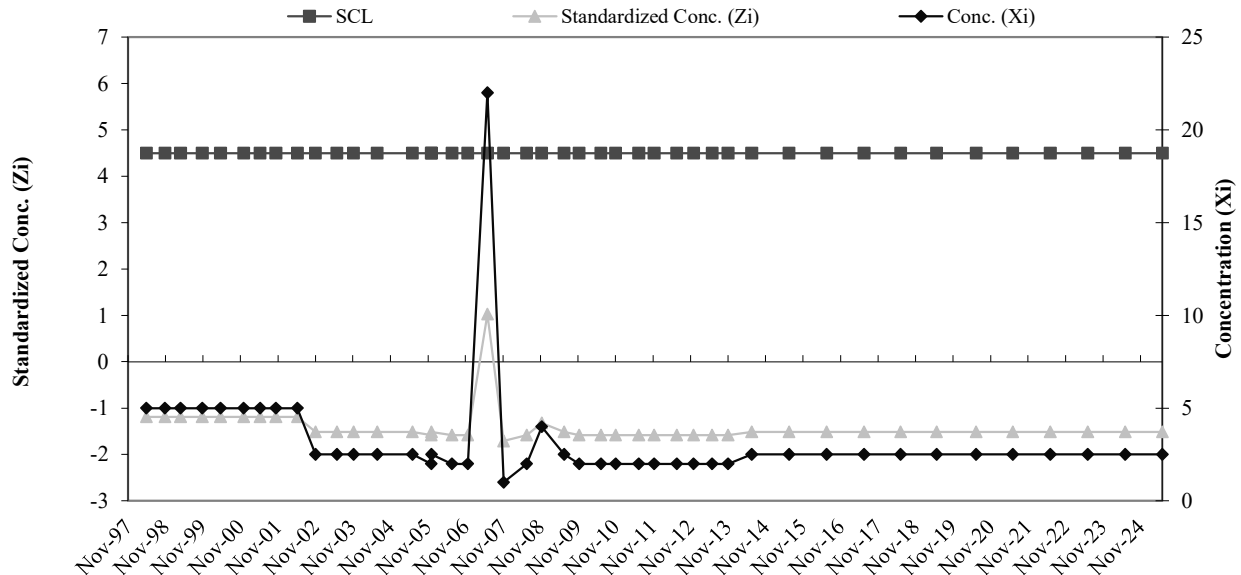


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-20D Cu**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 10    | 14.13 | 7.68     |
| 2             | Aug-95 | 20    |       |          |
| 3             | Feb-96 | 28    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | May-97 | 5     |       |          |
| 8             | Nov-97 | 20    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.19                   | 36 | Nov-11 | 4.5 | 2          | -1.58                   |
| 10 | Nov-98 | 4.5 | 5          | -1.19                   | 37 | Jun-12 | 4.5 | 2          | -1.58                   |
| 11 | Apr-99 | 4.5 | 5          | -1.19                   | 38 | Dec-12 | 4.5 | 2          | -1.58                   |
| 12 | Nov-99 | 4.5 | 5          | -1.19                   | 39 | Jun-13 | 4.5 | 2          | -1.58                   |
| 13 | Apr-00 | 4.5 | 5          | -1.19                   | 40 | Nov-13 | 4.5 | 2          | -1.58                   |
| 14 | Dec-00 | 4.5 | 5          | -1.19                   | 41 | Jun-14 | 4.5 | 2.5        | -1.51                   |
| 15 | May-01 | 4.5 | 5          | -1.19                   | 42 | Jun-15 | 4.5 | 2.5        | -1.51                   |
| 16 | Oct-01 | 4.5 | 5          | -1.19                   | 43 | Jun-16 | 4.5 | 2.5        | -1.51                   |
| 17 | May-02 | 4.5 | 5          | -1.19                   | 44 | Jun-17 | 4.5 | 2.5        | -1.51                   |
| 18 | Nov-02 | 4.5 | 2.5        | -1.51                   | 45 | Jun-18 | 4.5 | 2.5        | -1.51                   |
| 19 | Jun-03 | 4.5 | 2.5        | -1.51                   | 46 | May-19 | 4.5 | 2.5        | -1.51                   |
| 20 | Nov-03 | 4.5 | 2.5        | -1.51                   | 47 | Jun-20 | 4.5 | 2.5        | -1.51                   |
| 21 | Jun-04 | 4.5 | 2.5        | -1.51                   | 48 | Jun-21 | 4.5 | 2.5        | -1.51                   |
| 22 | Dec-05 | 4.5 | 2.5        | -1.51                   | 49 | Jun-22 | 4.5 | 2.5        | -1.51                   |
| 23 | Jun-05 | 4.5 | 2.5        | -1.51                   | 50 | Jun-23 | 4.5 | 2.5        | -1.51                   |
| 24 | Dec-05 | 4.5 | 2          | -1.58                   | 51 | Jun-24 | 4.5 | 2.5        | -1.51                   |
| 25 | Jun-06 | 4.5 | 2          | -1.58                   | 52 | Jun-25 | 4.5 | 2.5        | -1.51                   |
| 26 | Nov-06 | 4.5 | 2          | -1.58                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 22         | 1.03                    |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 1          | -1.71                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 2          | -1.58                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 4          | -1.32                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -1.51                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 2          | -1.58                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2          | -1.58                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 2          | -1.58                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 2          | -1.58                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

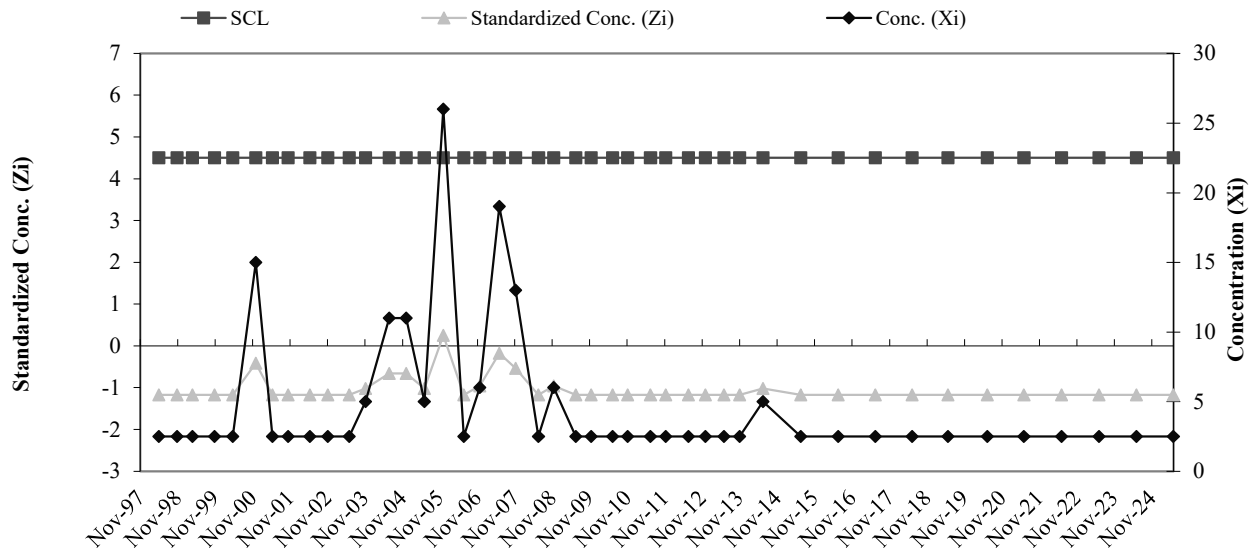


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-20D Ni**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 15    | <b>21.88</b> | <b>16.56</b> |
| 2             | Aug-95 | 20    |              |              |
| 3             | Feb-96 | 54    |              |              |
| 4             | Jun-96 | 10    |              |              |
| 5             | Aug-96 | 10    |              |              |
| 6             | Nov-96 | 10    |              |              |
| 7             | May-97 | 15    |              |              |
| 8             | Nov-97 | 41    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 2.5        | -1.17                   | 36 | Nov-11 | 4.5 | 2.5        | -1.17                   |
| 10 | Nov-98 | 4.5 | 2.5        | -1.17                   | 37 | Jun-12 | 4.5 | 2.5        | -1.17                   |
| 11 | Apr-99 | 4.5 | 2.5        | -1.17                   | 38 | Dec-12 | 4.5 | 2.5        | -1.17                   |
| 12 | Nov-99 | 4.5 | 2.5        | -1.17                   | 39 | Jun-13 | 4.5 | 2.5        | -1.17                   |
| 13 | Apr-00 | 4.5 | 2.5        | -1.17                   | 40 | Nov-13 | 4.5 | 2.5        | -1.17                   |
| 14 | Dec-00 | 4.5 | 15         | -0.42                   | 41 | Jun-14 | 4.5 | 5          | -1.02                   |
| 15 | May-01 | 4.5 | 2.5        | -1.17                   | 42 | Jun-15 | 4.5 | 2.5        | -1.17                   |
| 16 | Oct-01 | 4.5 | 2.5        | -1.17                   | 43 | Jun-16 | 4.5 | 2.5        | -1.17                   |
| 17 | May-02 | 4.5 | 2.5        | -1.17                   | 44 | Jun-17 | 4.5 | 2.5        | -1.17                   |
| 18 | Nov-02 | 4.5 | 2.5        | -1.17                   | 45 | Jun-18 | 4.5 | 2.5        | -1.17                   |
| 19 | Jun-03 | 4.5 | 2.5        | -1.17                   | 46 | May-19 | 4.5 | 2.5        | -1.17                   |
| 20 | Nov-03 | 4.5 | 5          | -1.02                   | 47 | Jun-20 | 4.5 | 2.5        | -1.17                   |
| 21 | Jun-04 | 4.5 | 11         | -0.66                   | 48 | Jun-21 | 4.5 | 2.5        | -1.17                   |
| 22 | Dec-04 | 4.5 | 11         | -0.66                   | 49 | Jun-22 | 4.5 | 2.5        | -1.17                   |
| 23 | Jun-05 | 4.5 | 5          | -1.02                   | 50 | Jun-23 | 4.5 | 2.5        | -1.17                   |
| 24 | Dec-05 | 4.5 | 26         | 0.25                    | 51 | Jun-24 | 4.5 | 2.5        | -1.17                   |
| 25 | Jun-06 | 4.5 | 2.5        | -1.17                   | 52 | Jun-25 | 4.5 | 2.5        | -1.17                   |
| 26 | Nov-06 | 4.5 | 6          | -0.96                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 19         | -0.17                   |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 13         | -0.54                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 6          | -0.96                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

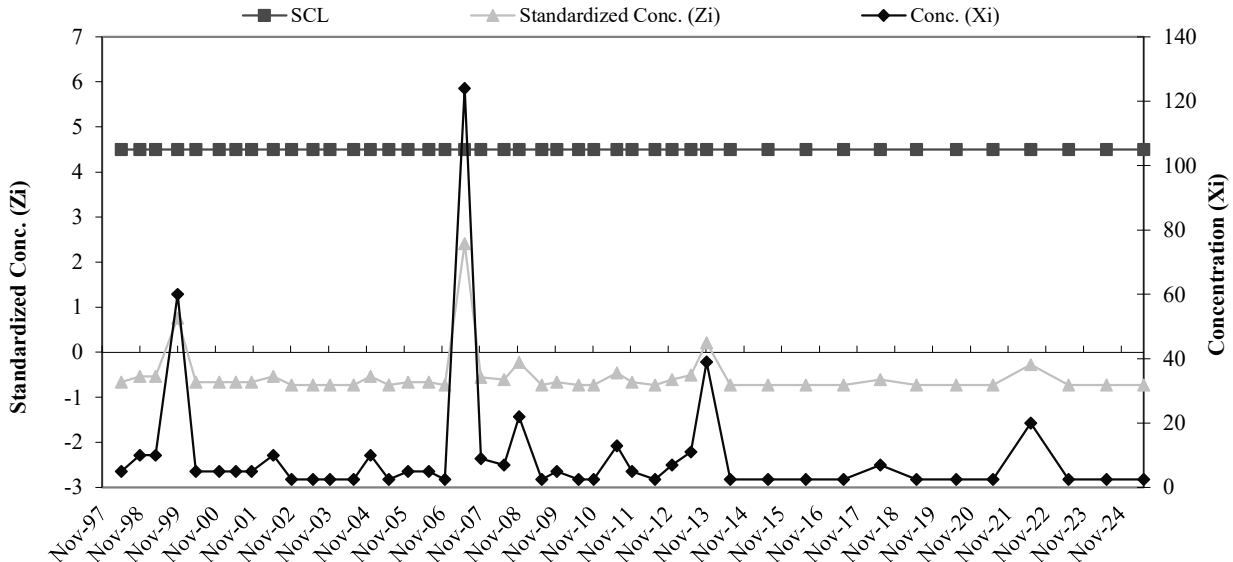


**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-20D Zn**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 10    | 30.63 | 38.77    |
| 2             | Aug-95 | 10    |       |          |
| 3             | Feb-96 | 120   |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 40    |       |          |
| 6             | Nov-96 | 40    |       |          |
| 7             | May-97 | 10    |       |          |
| 8             | Nov-97 | 5     |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -0.66                   | 36 | Nov-11 | 4.5 | 5          | -0.66                   |
| 10 | Nov-98 | 4.5 | 10         | -0.53                   | 37 | Jun-12 | 4.5 | 2.5        | -0.73                   |
| 11 | Apr-99 | 4.5 | 10         | -0.53                   | 38 | Dec-12 | 4.5 | 7          | -0.61                   |
| 12 | Nov-99 | 4.5 | 60         | 0.76                    | 39 | Jun-13 | 4.5 | 11         | -0.51                   |
| 13 | Apr-00 | 4.5 | 5          | -0.66                   | 40 | Nov-13 | 4.5 | 39         | 0.22                    |
| 14 | Dec-00 | 4.5 | 5          | -0.66                   | 41 | Jun-14 | 4.5 | 2.5        | -0.73                   |
| 15 | May-01 | 4.5 | 5          | -0.66                   | 42 | Jun-15 | 4.5 | 2.5        | -0.73                   |
| 16 | Oct-01 | 4.5 | 5          | -0.66                   | 43 | Jun-16 | 4.5 | 2.5        | -0.73                   |
| 17 | May-02 | 4.5 | 10         | -0.53                   | 44 | Jun-17 | 4.5 | 2.5        | -0.73                   |
| 18 | Nov-02 | 4.5 | 2.5        | -0.73                   | 45 | Jun-18 | 4.5 | 7          | -0.61                   |
| 19 | Jun-03 | 4.5 | 2.5        | -0.73                   | 46 | May-19 | 4.5 | 2.5        | -0.73                   |
| 20 | Nov-03 | 4.5 | 2.5        | -0.73                   | 47 | Jun-20 | 4.5 | 2.5        | -0.73                   |
| 21 | Jun-04 | 4.5 | 2.5        | -0.73                   | 48 | Jun-21 | 4.5 | 2.5        | -0.73                   |
| 22 | Dec-04 | 4.5 | 10         | -0.53                   | 49 | Jun-22 | 4.5 | 20         | -0.27                   |
| 23 | Jun-05 | 4.5 | 2.5        | -0.73                   | 50 | Jun-23 | 4.5 | 2.5        | -0.73                   |
| 24 | Dec-05 | 4.5 | 5          | -0.66                   | 51 | Jun-24 | 4.5 | 2.5        | -0.73                   |
| 25 | Jun-06 | 4.5 | 5          | -0.66                   | 52 | Jun-25 | 4.5 | 2.5        | -0.73                   |
| 26 | Nov-06 | 4.5 | 2.5        | -0.73                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 124        | 2.41                    |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 9          | -0.56                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 7          | -0.61                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 22         | -0.22                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -0.73                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2.5        | -0.73                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 2.5        | -0.73                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 13         | -0.45                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

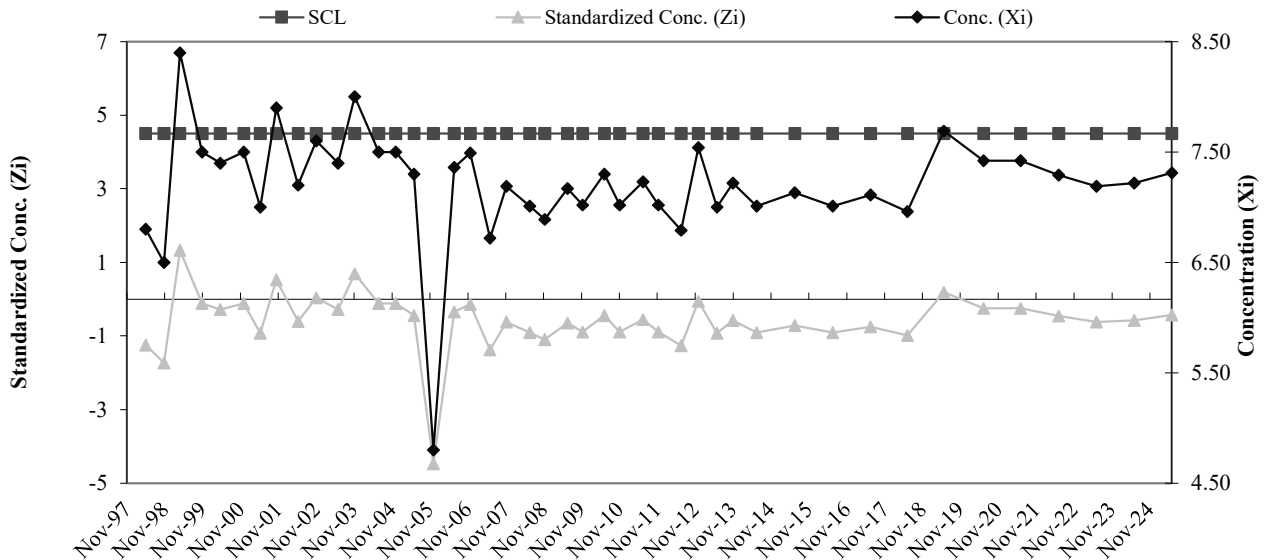


**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-20D pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 8.3   | 7.58 | 0.62     |
| 2             | Aug-95 | 8.1   |      |          |
| 3             | Feb-96 | 7.1   |      |          |
| 4             | Jun-96 | 7.9   |      |          |
| 5             | Aug-96 | 8.0   |      |          |
| 6             | Nov-96 | 7.7   |      |          |
| 7             | May-97 | 6.8   |      |          |
| 8             | Nov-97 | 6.7   |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 6.80       | -1.25                   | 36 | Nov-11 | 4.5 | 7.02       | -0.89                   |
| 10 | Nov-98 | 4.5 | 6.50       | -1.73                   | 37 | Jun-12 | 4.5 | 6.79       | -1.27                   |
| 11 | Apr-99 | 4.5 | 8.40       | 1.33                    | 38 | Dec-12 | 4.5 | 7.54       | -0.06                   |
| 12 | Nov-99 | 4.5 | 7.50       | -0.12                   | 39 | Jun-13 | 4.5 | 7.00       | -0.93                   |
| 13 | Apr-00 | 4.5 | 7.40       | -0.28                   | 40 | Nov-13 | 4.5 | 7.22       | -0.57                   |
| 14 | Dec-00 | 4.5 | 7.50       | -0.12                   | 41 | Jun-14 | 4.5 | 7.01       | -0.91                   |
| 15 | May-01 | 4.5 | 7.00       | -0.93                   | 42 | Jun-15 | 4.5 | 7.13       | -0.72                   |
| 16 | Oct-01 | 4.5 | 7.90       | 0.52                    | 43 | Jun-16 | 4.5 | 7.01       | -0.91                   |
| 17 | May-02 | 4.5 | 7.20       | -0.60                   | 44 | Jun-17 | 4.5 | 7.11       | -0.75                   |
| 18 | Nov-02 | 4.5 | 7.60       | 0.04                    | 45 | Jun-18 | 4.5 | 6.96       | -0.99                   |
| 19 | Jun-03 | 4.5 | 7.40       | -0.28                   | 46 | May-19 | 4.5 | 7.69       | 0.19                    |
| 20 | Nov-03 | 4.5 | 8.00       | 0.68                    | 47 | Jun-20 | 4.5 | 7.42       | -0.25                   |
| 21 | Jun-04 | 4.5 | 7.50       | -0.12                   | 48 | Jun-21 | 4.5 | 7.42       | -0.25                   |
| 22 | Dec-04 | 4.5 | 7.50       | -0.12                   | 49 | Jun-22 | 4.5 | 7.29       | -0.46                   |
| 23 | Jun-05 | 4.5 | 7.30       | -0.44                   | 50 | Jun-23 | 4.5 | 7.19       | -0.62                   |
| 24 | Dec-05 | 4.5 | 4.80       | -4.47                   | 51 | Jun-24 | 4.5 | 7.22       | -0.57                   |
| 25 | Jun-06 | 4.5 | 7.36       | -0.35                   | 52 | Jun-25 | 4.5 | 7.31       | -0.43                   |
| 26 | Nov-06 | 4.5 | 7.49       | -0.14                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 6.72       | -1.38                   |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 7.19       | -0.62                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 7.01       | -0.91                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 6.89       | -1.10                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 7.17       | -0.65                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 7.02       | -0.89                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 7.30       | -0.44                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 7.02       | -0.89                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 7.23       | -0.56                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

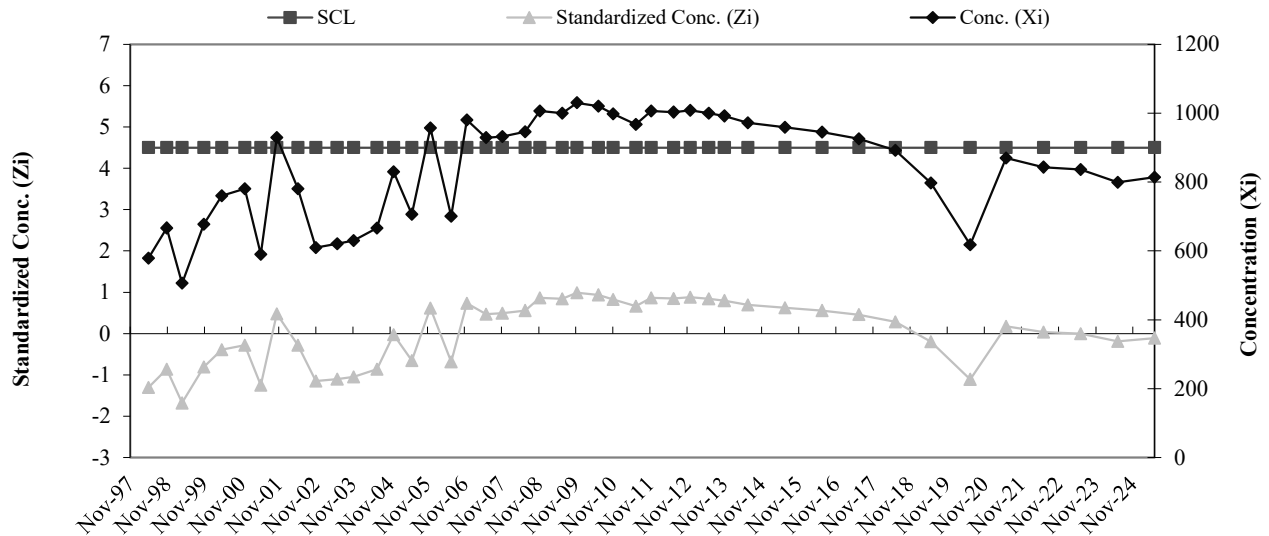


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-20D SpC**

| Baseline Data |        |       |               |               |
|---------------|--------|-------|---------------|---------------|
| Ti            | Date   | Conc. | Mean          | Std. Dev      |
| 1             | Jun-95 | 771   | <b>835.75</b> | <b>196.61</b> |
| 2             | Aug-95 | 1204  |               |               |
| 3             | Feb-96 | 801   |               |               |
| 4             | Jun-96 | 745   |               |               |
| 5             | Aug-96 | 750   |               |               |
| 6             | Nov-96 | 1075  |               |               |
| 7             | May-97 | 640   |               |               |
| 8             | Nov-97 | 700   |               |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 579        | -1.31                   | 36 | Nov-11 | 4.5 | 1006       | 0.87                    |
| 10 | Nov-98 | 4.5 | 667        | -0.86                   | 37 | Jun-12 | 4.5 | 1003       | 0.85                    |
| 11 | Apr-99 | 4.5 | 506        | -1.68                   | 38 | Dec-12 | 4.5 | 1008       | 0.88                    |
| 12 | Nov-99 | 4.5 | 677        | -0.81                   | 39 | Jun-13 | 4.5 | 1000       | 0.84                    |
| 13 | Apr-00 | 4.5 | 760        | -0.39                   | 40 | Nov-13 | 4.5 | 992        | 0.79                    |
| 14 | Dec-00 | 4.5 | 780        | -0.28                   | 41 | Jun-14 | 4.5 | 972        | 0.69                    |
| 15 | May-01 | 4.5 | 590        | -1.25                   | 42 | Jun-15 | 4.5 | 959        | 0.63                    |
| 16 | Oct-01 | 4.5 | 930        | 0.48                    | 43 | Jun-16 | 4.5 | 945        | 0.56                    |
| 17 | May-02 | 4.5 | 780        | -0.28                   | 44 | Jun-17 | 4.5 | 926        | 0.46                    |
| 18 | Nov-02 | 4.5 | 610        | -1.15                   | 45 | Jun-18 | 4.5 | 892        | 0.29                    |
| 19 | Jun-03 | 4.5 | 620        | -1.10                   | 46 | May-19 | 4.5 | 797        | -0.20                   |
| 20 | Nov-03 | 4.5 | 630        | -1.05                   | 47 | Jun-20 | 4.5 | 618        | -1.11                   |
| 21 | Jun-04 | 4.5 | 666        | -0.86                   | 48 | Jun-21 | 4.5 | 870        | 0.17                    |
| 22 | Dec-04 | 4.5 | 830        | -0.03                   | 49 | Jun-22 | 4.5 | 843        | 0.04                    |
| 23 | Jun-05 | 4.5 | 707        | -0.65                   | 50 | Jun-23 | 4.5 | 836        | 0.00                    |
| 24 | Dec-05 | 4.5 | 957        | 0.62                    | 51 | Jun-24 | 4.5 | 799        | -0.19                   |
| 25 | Jun-06 | 4.5 | 701        | -0.69                   | 52 | Jun-25 | 4.5 | 814        | -0.11                   |
| 26 | Nov-06 | 4.5 | 980        | 0.73                    |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 929        | 0.47                    |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 932        | 0.49                    |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 946        | 0.56                    |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 1006       | 0.87                    |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 1000       | 0.84                    |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 1030       | 0.99                    |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 1020       | 0.94                    |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 998        | 0.83                    |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 967        | 0.67                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

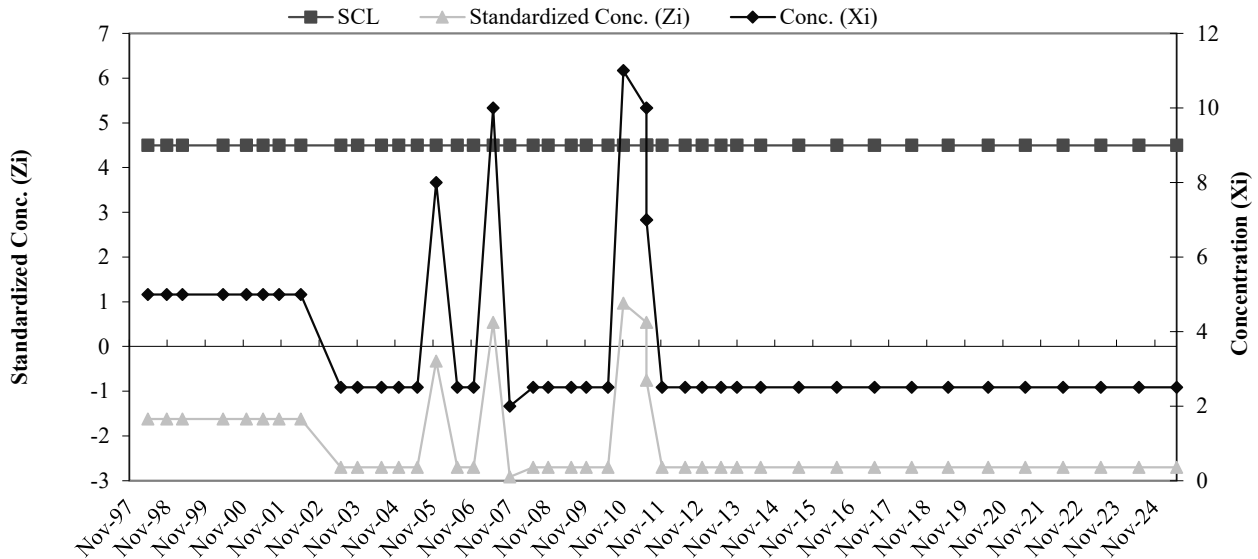


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-21D Cr**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | Nov-97 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.62                   | 36 | Nov-11 | 4.5 | 2.5        | -2.70                   |
| 10 | Nov-98 | 4.5 | 5          | -1.62                   | 37 | Jun-12 | 4.5 | 2.5        | -2.70                   |
| 11 | Apr-99 | 4.5 | 5          | -1.62                   | 38 | Dec-12 | 4.5 | 2.5        | -2.70                   |
| 12 | Apr-00 | 4.5 | 5          | -1.62                   | 39 | Jun-13 | 4.5 | 2.5        | -2.70                   |
| 13 | Dec-00 | 4.5 | 5          | -1.62                   | 40 | Nov-13 | 4.5 | 2.5        | -2.70                   |
| 14 | May-01 | 4.5 | 5          | -1.62                   | 41 | Jun-14 | 4.5 | 2.5        | -2.70                   |
| 15 | Oct-01 | 4.5 | 5          | -1.62                   | 42 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 16 | May-02 | 4.5 | 5          | -1.62                   | 43 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 18 | Jun-03 | 4.5 | 2.5        | -2.70                   | 44 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 19 | Nov-03 | 4.5 | 2.5        | -2.70                   | 45 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 20 | Jun-04 | 4.5 | 2.5        | -2.70                   | 46 | May-19 | 4.5 | 2.5        | -2.70                   |
| 21 | Dec-04 | 4.5 | 2.5        | -2.70                   | 47 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 22 | Jun-05 | 4.5 | 2.5        | -2.70                   | 48 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 23 | Dec-05 | 4.5 | 8          | -0.32                   | 49 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 24 | Jun-06 | 4.5 | 2.5        | -2.70                   | 50 | Jun-23 | 4.5 | 2.5        | -2.70                   |
| 25 | Nov-06 | 4.5 | 2.5        | -2.70                   | 51 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 26 | Jun-07 | 4.5 | 10         | 0.54                    | 52 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 27 | Nov-07 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 11         | 0.97                    |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 10         | 0.54                    |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 7          | -0.76                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

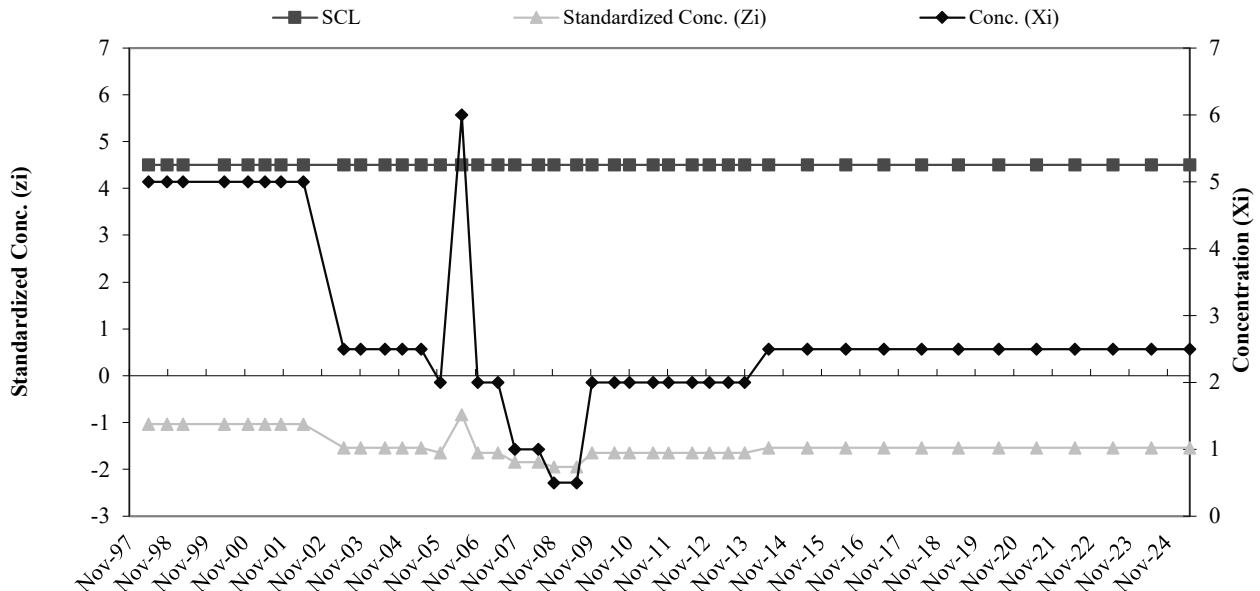


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-21D Cu**

| Baseline Data |        |       |              |             |
|---------------|--------|-------|--------------|-------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev    |
| 1             | Jun-95 | 10    | <b>10.13</b> | <b>4.94</b> |
| 2             | Aug-95 | 21    |              |             |
| 3             | Feb-96 | 10    |              |             |
| 4             | Jun-96 | 10    |              |             |
| 5             | Aug-96 | 10    |              |             |
| 6             | Nov-96 | 10    |              |             |
| 7             | May-97 | 5     |              |             |
| 8             | Nov-97 | 5     |              |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.04                   | 35 | Nov-11 | 4.5 | 2          | -1.64                   |
| 10 | Nov-98 | 4.5 | 5          | -1.04                   | 36 | Jun-12 | 4.5 | 2          | -1.64                   |
| 11 | Apr-99 | 4.5 | 5          | -1.04                   | 37 | Dec-12 | 4.5 | 2          | -1.64                   |
| 12 | Apr-00 | 4.5 | 5          | -1.04                   | 38 | Jun-13 | 4.5 | 2          | -1.64                   |
| 13 | Dec-00 | 4.5 | 5          | -1.04                   | 39 | Nov-13 | 4.5 | 2          | -1.64                   |
| 14 | May-01 | 4.5 | 5          | -1.04                   | 40 | Jun-14 | 4.5 | 2.5        | -1.54                   |
| 15 | Oct-01 | 4.5 | 5          | -1.04                   | 41 | Jun-15 | 4.5 | 2.5        | -1.54                   |
| 16 | May-02 | 4.5 | 5          | -1.04                   | 42 | Jun-16 | 4.5 | 2.5        | -1.54                   |
| 18 | Jun-03 | 4.5 | 2.5        | -1.54                   | 43 | Jun-17 | 4.5 | 2.5        | -1.54                   |
| 19 | Nov-03 | 4.5 | 2.5        | -1.54                   | 44 | Jun-18 | 4.5 | 2.5        | -1.54                   |
| 20 | Jun-04 | 4.5 | 2.5        | -1.54                   | 45 | May-19 | 4.5 | 2.5        | -1.54                   |
| 21 | Dec-04 | 4.5 | 2.5        | -1.54                   | 46 | Jun-20 | 4.5 | 2.5        | -1.54                   |
| 22 | Jun-05 | 4.5 | 2.5        | -1.54                   | 47 | Jun-21 | 4.5 | 2.5        | -1.54                   |
| 23 | Dec-05 | 4.5 | 2          | -1.64                   | 48 | Jun-22 | 4.5 | 2.5        | -1.54                   |
| 24 | Jun-06 | 4.5 | 6          | -0.83                   | 49 | Jun-23 | 4.5 | 2.5        | -1.54                   |
| 25 | Nov-06 | 4.5 | 2          | -1.64                   | 50 | Jun-24 | 4.5 | 2.5        | -1.54                   |
| 26 | Jun-07 | 4.5 | 2          | -1.64                   | 51 | Jun-25 | 4.5 | 2.5        | -1.54                   |
| 27 | Nov-07 | 4.5 | 1          | -1.85                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 1          | -1.85                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 0.5        | -1.95                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 0.5        | -1.95                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 2          | -1.64                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 2          | -1.64                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 2          | -1.64                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 2          | -1.64                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

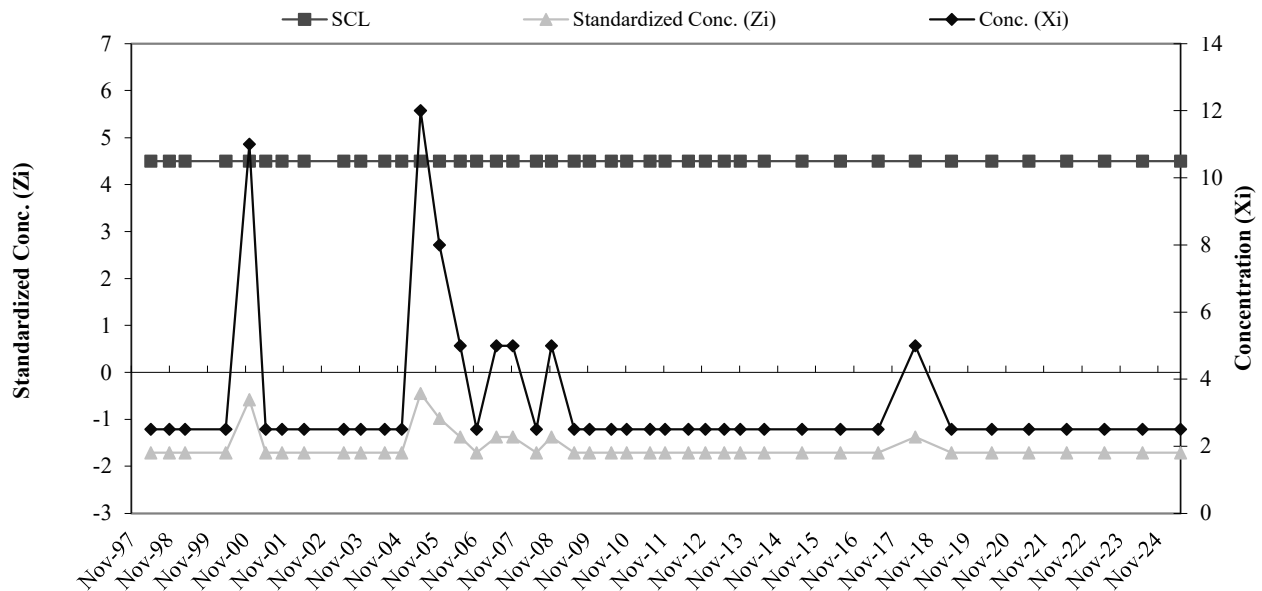


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-21D Ni**

| Baseline Data |        |       |              |             |
|---------------|--------|-------|--------------|-------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev    |
| 1             | Jun-95 | 15    | <b>15.38</b> | <b>7.54</b> |
| 2             | Aug-95 | 20    |              |             |
| 3             | Feb-96 | 20    |              |             |
| 4             | Jun-96 | 10    |              |             |
| 5             | Aug-96 | 10    |              |             |
| 6             | Nov-96 | 10    |              |             |
| 7             | May-97 | 8     |              |             |
| 8             | Nov-97 | 30    |              |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 2.5        | -1.71                   | 35 | Nov-11 | 4.5 | 2.5        | -1.71                   |
| 10 | Nov-98 | 4.5 | 2.5        | -1.71                   | 36 | Jun-12 | 4.5 | 2.5        | -1.71                   |
| 11 | Apr-99 | 4.5 | 2.5        | -1.71                   | 37 | Dec-12 | 4.5 | 2.5        | -1.71                   |
| 12 | Apr-00 | 4.5 | 2.5        | -1.71                   | 38 | Jun-13 | 4.5 | 2.5        | -1.71                   |
| 13 | Dec-00 | 4.5 | 11         | -0.58                   | 39 | Nov-13 | 4.5 | 2.5        | -1.71                   |
| 14 | May-01 | 4.5 | 2.5        | -1.71                   | 40 | Jun-14 | 4.5 | 2.5        | -1.71                   |
| 15 | Oct-01 | 4.5 | 2.5        | -1.71                   | 41 | Jun-15 | 4.5 | 2.5        | -1.71                   |
| 16 | May-02 | 4.5 | 2.5        | -1.71                   | 42 | Jun-16 | 4.5 | 2.5        | -1.71                   |
| 18 | Jun-03 | 4.5 | 2.5        | -1.71                   | 43 | Jun-17 | 4.5 | 2.5        | -1.71                   |
| 19 | Nov-03 | 4.5 | 2.5        | -1.71                   | 44 | Jun-18 | 4.5 | 5          | -1.38                   |
| 20 | Jun-04 | 4.5 | 2.5        | -1.71                   | 45 | May-19 | 4.5 | 2.5        | -1.71                   |
| 20 | Dec-04 | 4.5 | 2.5        | -1.71                   | 46 | Jun-20 | 4.5 | 2.5        | -1.71                   |
| 21 | Jun-05 | 4.5 | 12         | -0.45                   | 47 | Jun-21 | 4.5 | 2.5        | -1.71                   |
| 22 | Dec-05 | 4.5 | 8          | -0.98                   | 48 | Jun-22 | 4.5 | 2.5        | -1.71                   |
| 23 | Jun-06 | 4.5 | 5          | -1.38                   | 49 | Jun-23 | 4.5 | 2.5        | -1.71                   |
| 24 | Nov-06 | 4.5 | 2.5        | -1.71                   | 50 | Jun-24 | 4.5 | 2.5        | -1.71                   |
| 25 | Jun-07 | 4.5 | 5          | -1.38                   | 51 | Jun-25 | 4.5 | 2.5        | -1.71                   |
| 26 | Nov-07 | 4.5 | 5          | -1.38                   |    |        |     |            |                         |
| 27 | Jun-08 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 28 | Nov-08 | 4.5 | 5          | -1.38                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

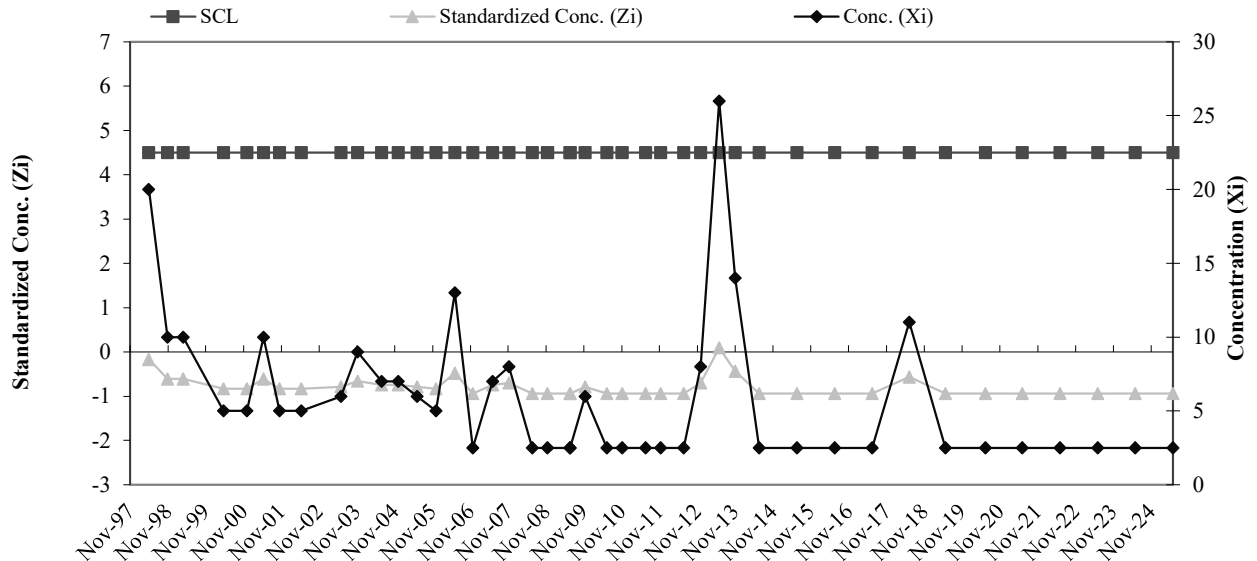


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-21D Zn**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 61    | <b>23.88</b> | <b>22.71</b> |
| 2             | Aug-95 | 10    |              |              |
| 3             | Feb-96 | 10    |              |              |
| 4             | Jun-96 | 10    |              |              |
| 5             | Aug-96 | 50    |              |              |
| 6             | Nov-96 | 40    |              |              |
| 7             | May-97 | 5     |              |              |
| 8             | Nov-97 | 5     |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 20         | -0.17                   | 36 | Nov-11 | 4.5 | 2.5        | -0.94                   |
| 10 | Nov-98 | 4.5 | 10         | -0.61                   | 37 | Jun-12 | 4.5 | 2.5        | -0.94                   |
| 11 | Apr-99 | 4.5 | 10         | -0.61                   | 38 | Dec-12 | 4.5 | 8          | -0.70                   |
| 12 | Apr-00 | 4.5 | 5          | -0.83                   | 39 | Jun-13 | 4.5 | 26         | 0.09                    |
| 13 | Dec-00 | 4.5 | 5          | -0.83                   | 40 | Nov-13 | 4.5 | 14         | -0.43                   |
| 14 | May-01 | 4.5 | 10         | -0.61                   | 41 | Jun-14 | 4.5 | 2.5        | -0.94                   |
| 15 | Oct-01 | 4.5 | 5          | -0.83                   | 42 | Jun-15 | 4.5 | 2.5        | -0.94                   |
| 16 | May-02 | 4.5 | 5          | -0.83                   | 43 | Jun-16 | 4.5 | 2.5        | -0.94                   |
| 18 | Jun-03 | 4.5 | 6          | -0.79                   | 44 | Jun-17 | 4.5 | 2.5        | -0.94                   |
| 19 | Nov-03 | 4.5 | 9          | -0.65                   | 45 | Jun-18 | 4.5 | 11         | -0.57                   |
| 20 | Jun-04 | 4.5 | 7          | -0.74                   | 46 | May-19 | 4.5 | 2.5        | -0.94                   |
| 21 | Dec-04 | 4.5 | 7          | -0.74                   | 47 | Jun-20 | 4.5 | 2.5        | -0.94                   |
| 22 | Jun-05 | 4.5 | 6          | -0.79                   | 48 | Jun-21 | 4.5 | 2.5        | -0.94                   |
| 23 | Dec-05 | 4.5 | 5          | -0.83                   | 49 | Jun-22 | 4.5 | 2.5        | -0.94                   |
| 24 | Jun-06 | 4.5 | 13         | -0.48                   | 50 | Jun-23 | 4.5 | 2.5        | -0.94                   |
| 25 | Nov-06 | 4.5 | 2.5        | -0.94                   | 51 | Jun-24 | 4.5 | 2.5        | -0.94                   |
| 26 | Jun-07 | 4.5 | 7          | -0.74                   | 52 | Jun-25 | 4.5 | 2.5        | -0.94                   |
| 27 | Nov-07 | 4.5 | 8          | -0.70                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 2.5        | -0.94                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 2.5        | -0.94                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 2.5        | -0.94                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -0.94                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 6          | -0.79                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2.5        | -0.94                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 2.5        | -0.94                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 2.5        | -0.94                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

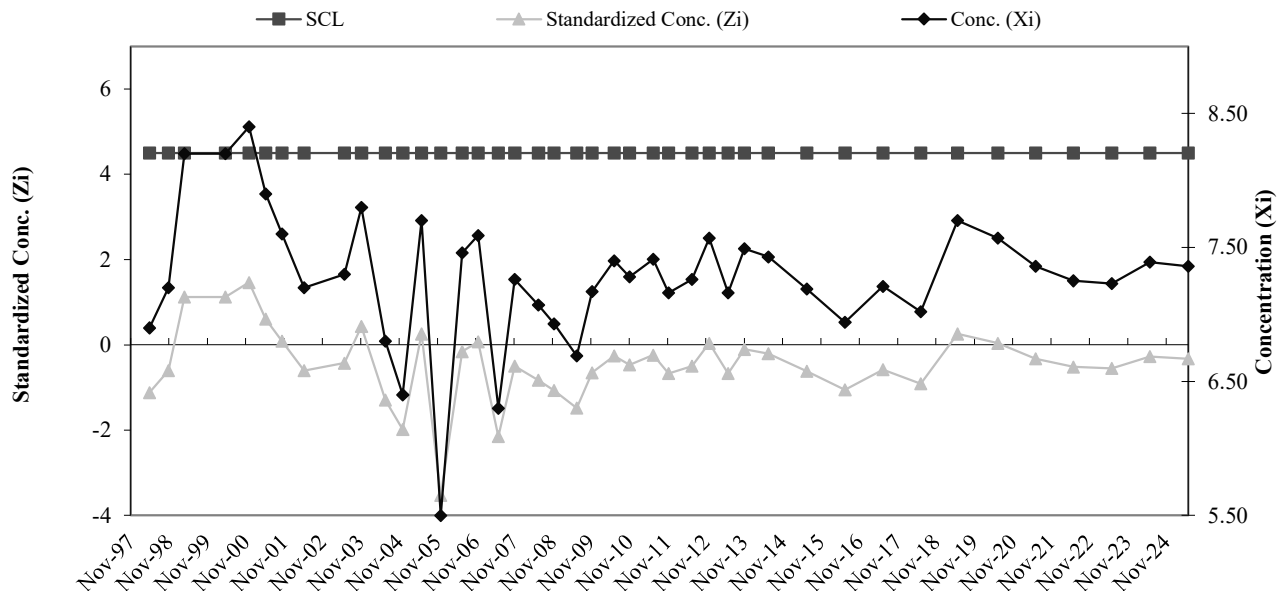


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-21D pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 8.30  | <b>7.55</b> | <b>0.58</b> |
| 2             | Aug-95 | 8.10  |             |             |
| 3             | Feb-96 | 7.70  |             |             |
| 4             | Jun-96 | 7.60  |             |             |
| 5             | Aug-96 | 7.90  |             |             |
| 6             | Nov-96 | 7.30  |             |             |
| 7             | May-97 | 6.80  |             |             |
| 8             | Nov-97 | 6.70  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 6.90       | -1.12                   | 35 | Nov-11 | 4.5 | 7.16       | -0.67                   |
| 10 | Nov-98 | 4.5 | 7.20       | -0.60                   | 36 | Jun-12 | 4.5 | 7.26       | -0.50                   |
| 11 | Apr-99 | 4.5 | 8.20       | 1.12                    | 37 | Dec-12 | 4.5 | 7.57       | 0.03                    |
| 12 | Apr-00 | 4.5 | 8.20       | 1.12                    | 38 | Jun-13 | 4.5 | 7.16       | -0.67                   |
| 13 | Dec-00 | 4.5 | 8.40       | 1.46                    | 39 | Nov-13 | 4.5 | 7.49       | -0.10                   |
| 14 | May-01 | 4.5 | 7.90       | 0.60                    | 40 | Jun-14 | 4.5 | 7.43       | -0.21                   |
| 15 | Oct-01 | 4.5 | 7.60       | 0.09                    | 41 | Jun-15 | 4.5 | 7.19       | -0.62                   |
| 16 | May-02 | 4.5 | 7.20       | -0.60                   | 42 | Jun-16 | 4.5 | 6.94       | -1.05                   |
| 18 | Jun-03 | 4.5 | 7.30       | -0.43                   | 43 | Jun-17 | 4.5 | 7.21       | -0.59                   |
| 19 | Nov-03 | 4.5 | 7.80       | 0.43                    | 44 | Jun-18 | 4.5 | 7.02       | -0.91                   |
| 20 | Jun-04 | 4.5 | 6.80       | -1.29                   | 45 | May-19 | 4.5 | 7.70       | 0.26                    |
| 21 | Dec-04 | 4.5 | 6.40       | -1.98                   | 46 | Jun-20 | 4.5 | 7.57       | 0.03                    |
| 22 | Jun-05 | 4.5 | 7.70       | 0.26                    | 47 | Jun-21 | 4.5 | 7.36       | -0.33                   |
| 23 | Dec-05 | 4.5 | 5.50       | -3.53                   | 48 | Jun-22 | 4.5 | 7.25       | -0.52                   |
| 24 | Jun-06 | 4.5 | 7.46       | -0.16                   | 49 | Jun-23 | 4.5 | 7.23       | -0.55                   |
| 25 | Nov-06 | 4.5 | 7.59       | 0.07                    | 50 | Jun-24 | 4.5 | 7.39       | -0.28                   |
| 26 | Jun-07 | 4.5 | 6.30       | -2.15                   | 51 | Jun-25 | 4.5 | 7.36       | -0.33                   |
| 27 | Nov-07 | 4.5 | 7.26       | -0.50                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 7.07       | -0.83                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 6.93       | -1.07                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 6.69       | -1.48                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 7.17       | -0.65                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 7.40       | -0.26                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 7.28       | -0.47                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 7.41       | -0.24                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

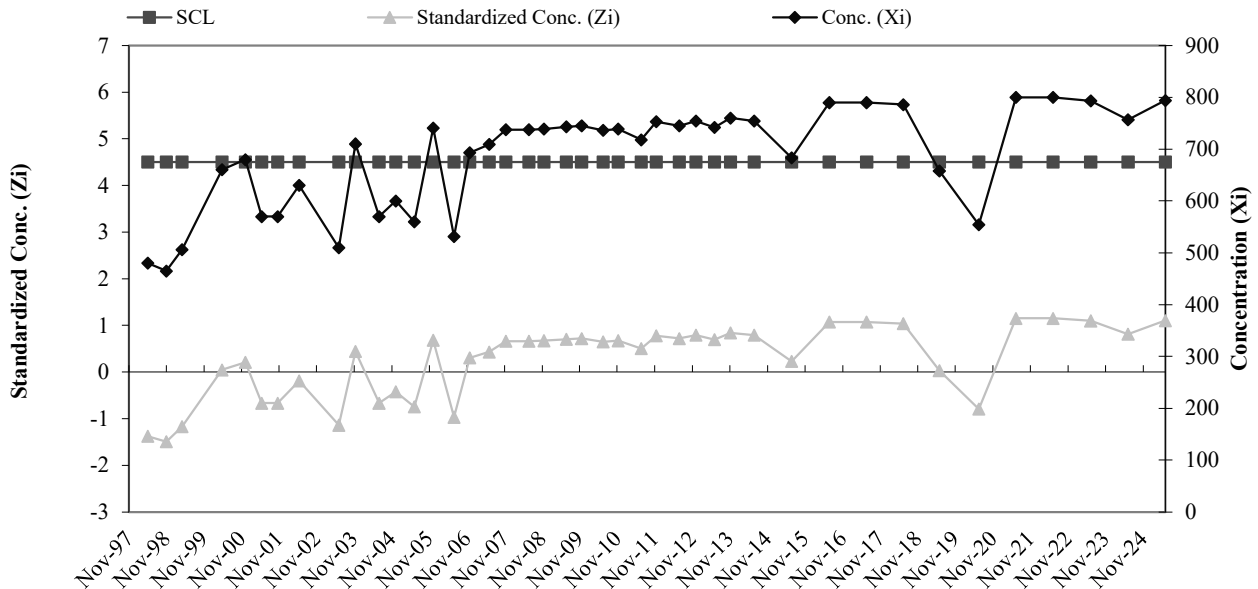


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-21D SpC**

| Baseline Data |        |       |               |               |
|---------------|--------|-------|---------------|---------------|
| Ti            | Date   | Conc. | Mean          | Std. Dev      |
| 1             | Jun-95 | 870   | <b>654.13</b> | <b>126.68</b> |
| 2             | Aug-95 | 684   |               |               |
| 3             | Feb-96 | 646   |               |               |
| 4             | Jun-96 | 577   |               |               |
| 5             | Aug-96 | 576   |               |               |
| 6             | Nov-96 | 810   |               |               |
| 7             | May-97 | 530   |               |               |
| 8             | Nov-97 | 540   |               |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 480        | -1.37                   | 35 | Nov-11 | 4.5 | 753        | 0.78                    |
| 10 | Nov-98 | 4.5 | 465        | -1.49                   | 36 | Jun-12 | 4.5 | 745        | 0.72                    |
| 11 | Apr-99 | 4.5 | 506        | -1.17                   | 37 | Dec-12 | 4.5 | 754        | 0.79                    |
| 12 | Apr-00 | 4.5 | 660        | 0.05                    | 38 | Jun-13 | 4.5 | 742        | 0.69                    |
| 13 | Dec-00 | 4.5 | 680        | 0.20                    | 39 | Nov-13 | 4.5 | 760        | 0.84                    |
| 14 | May-01 | 4.5 | 570        | -0.66                   | 40 | Jun-14 | 4.5 | 754        | 0.79                    |
| 15 | Oct-01 | 4.5 | 570        | -0.66                   | 41 | Jun-15 | 4.5 | 683        | 0.23                    |
| 16 | May-02 | 4.5 | 630        | -0.19                   | 42 | Jun-16 | 4.5 | 790        | 1.07                    |
| 18 | Jun-03 | 4.5 | 510        | -1.14                   | 43 | Jun-17 | 4.5 | 790        | 1.07                    |
| 19 | Nov-03 | 4.5 | 710        | 0.44                    | 44 | Jun-18 | 4.5 | 786        | 1.04                    |
| 20 | Jun-04 | 4.5 | 570        | -0.66                   | 45 | May-19 | 4.5 | 658        | 0.03                    |
| 21 | Dec-04 | 4.5 | 600        | -0.43                   | 46 | Jun-20 | 4.5 | 554        | -0.79                   |
| 22 | Jun-05 | 4.5 | 560        | -0.74                   | 47 | Jun-21 | 4.5 | 800        | 1.15                    |
| 23 | Dec-05 | 4.5 | 741        | 0.69                    | 48 | Jun-22 | 4.5 | 800        | 1.15                    |
| 24 | Jun-06 | 4.5 | 531.3      | -0.97                   | 49 | Jun-23 | 4.5 | 793        | 1.10                    |
| 25 | Nov-06 | 4.5 | 693        | 0.31                    | 50 | Jun-24 | 4.5 | 757        | 0.81                    |
| 26 | Jun-07 | 4.5 | 709        | 0.43                    | 51 | Jun-25 | 4.5 | 794        | 1.10                    |
| 27 | Nov-07 | 4.5 | 738        | 0.66                    |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 738        | 0.66                    |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 739        | 0.67                    |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 743        | 0.70                    |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 745        | 0.72                    |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 736        | 0.65                    |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 739        | 0.67                    |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 718        | 0.50                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

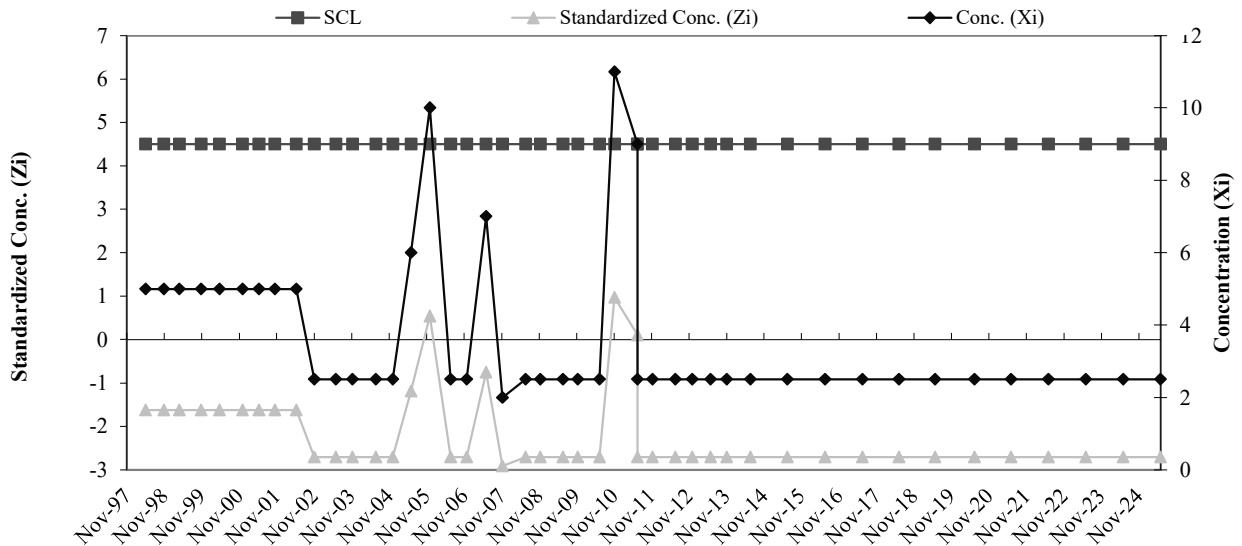


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-22D Cr**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | Nov-97 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.62                   | 37 | Nov-11 | 4.5 | 2.5        | -2.70                   |
| 10 | Nov-98 | 4.5 | 5          | -1.62                   | 38 | Jun-12 | 4.5 | 2.5        | -2.70                   |
| 11 | Apr-99 | 4.5 | 5          | -1.62                   | 39 | Dec-12 | 4.5 | 2.5        | -2.70                   |
| 12 | Nov-99 | 4.5 | 5          | -1.62                   | 40 | Jun-13 | 4.5 | 2.5        | -2.70                   |
| 13 | Apr-00 | 4.5 | 5          | -1.62                   | 41 | Nov-13 | 4.5 | 2.5        | -2.70                   |
| 14 | Dec-00 | 4.5 | 5          | -1.62                   | 42 | Jun-14 | 4.5 | 2.5        | -2.70                   |
| 15 | May-01 | 4.5 | 5          | -1.62                   | 43 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 16 | Oct-01 | 4.5 | 5          | -1.62                   | 44 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 17 | May-02 | 4.5 | 5          | -1.62                   | 45 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 18 | Nov-02 | 4.5 | 2.5        | -2.70                   | 46 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 19 | Jun-03 | 4.5 | 2.5        | -2.70                   | 47 | May-19 | 4.5 | 2.5        | -2.70                   |
| 20 | Nov-03 | 4.5 | 2.5        | -2.70                   | 48 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 21 | Jun-04 | 4.5 | 2.5        | -2.70                   | 49 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 22 | Dec-04 | 4.5 | 2.5        | -2.70                   | 50 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 23 | Jun-05 | 4.5 | 6          | -1.19                   | 51 | Jun-23 | 4.5 | 2.5        | -2.70                   |
| 24 | Dec-05 | 4.5 | 10         | 0.54                    | 52 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 25 | Jun-06 | 4.5 | 2.5        | -2.70                   | 53 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 26 | Nov-06 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 7          | -0.76                   |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 11         | 0.97                    |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 9          | 0.11                    |    |        |     |            |                         |
| 36 | Jun-11 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

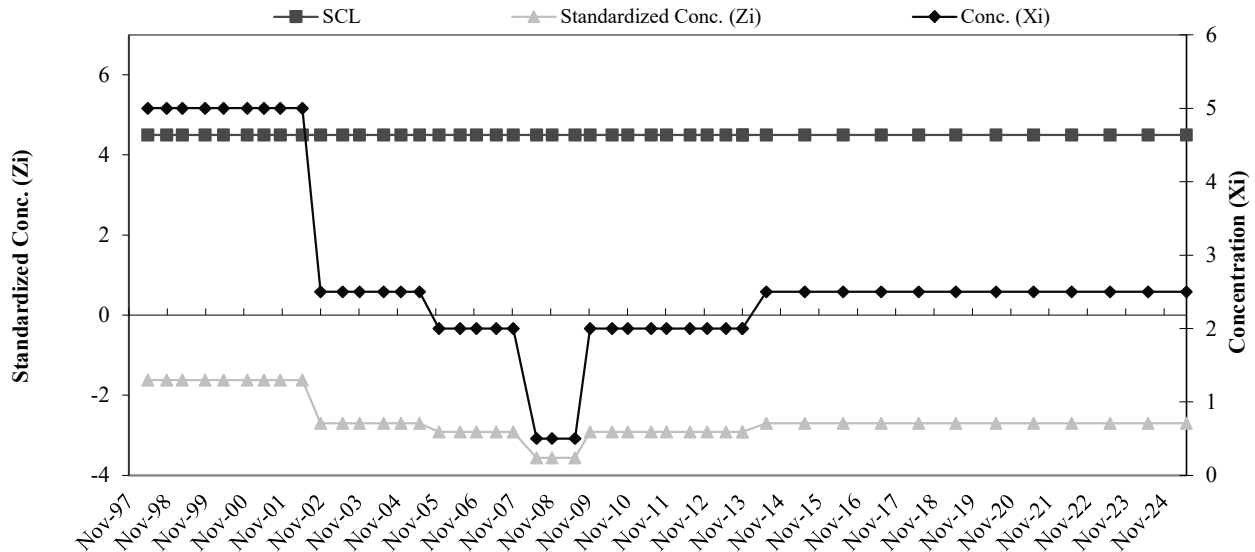


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-22D Cu**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | Nov-97 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.62                   | 36 | Nov-11 | 4.5 | 2          | -2.92                   |
| 10 | Nov-98 | 4.5 | 5          | -1.62                   | 37 | Jun-12 | 4.5 | 2          | -2.92                   |
| 11 | Apr-99 | 4.5 | 5          | -1.62                   | 38 | Dec-12 | 4.5 | 2          | -2.92                   |
| 12 | Nov-99 | 4.5 | 5          | -1.62                   | 39 | Jun-13 | 4.5 | 2          | -2.92                   |
| 13 | Apr-00 | 4.5 | 5          | -1.62                   | 40 | Nov-13 | 4.5 | 2          | -2.92                   |
| 14 | Dec-00 | 4.5 | 5          | -1.62                   | 41 | Nov-13 | 4.5 | 2          | -2.92                   |
| 15 | May-01 | 4.5 | 5          | -1.62                   | 42 | Jun-14 | 4.5 | 2.5        | -2.70                   |
| 16 | Oct-01 | 4.5 | 5          | -1.62                   | 43 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 17 | May-02 | 4.5 | 5          | -1.62                   | 44 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 18 | Nov-02 | 4.5 | 2.5        | -2.70                   | 45 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 19 | Jun-03 | 4.5 | 2.5        | -2.70                   | 46 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 20 | Nov-03 | 4.5 | 2.5        | -2.70                   | 47 | May-19 | 4.5 | 2.5        | -2.70                   |
| 21 | Jun-04 | 4.5 | 2.5        | -2.70                   | 48 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 22 | Dec-04 | 4.5 | 2.5        | -2.70                   | 49 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 23 | Jun-05 | 4.5 | 2.5        | -2.70                   | 50 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 24 | Dec-05 | 4.5 | 2          | -2.92                   | 51 | Jun-23 | 4.5 | 2.5        | -2.70                   |
| 25 | Jun-06 | 4.5 | 2          | -2.92                   | 52 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 26 | Nov-06 | 4.5 | 2          | -2.92                   | 53 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 27 | Jun-07 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 0.5        | -3.56                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 0.5        | -3.56                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 0.5        | -3.56                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

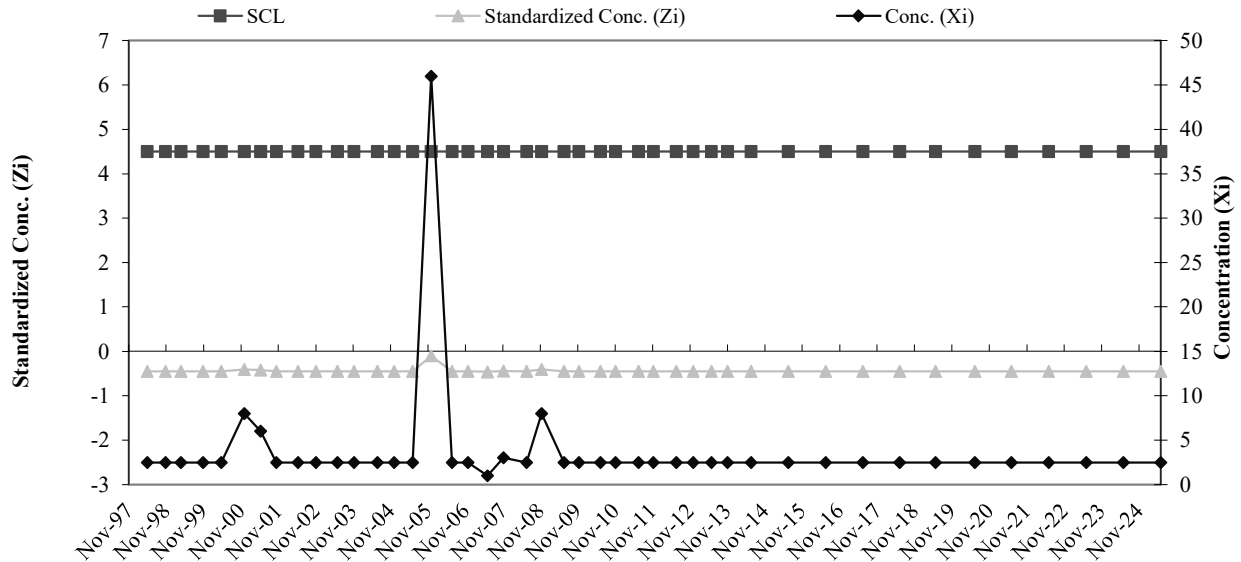


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-22D Ni**

| Baseline Data |        |       |              |               |
|---------------|--------|-------|--------------|---------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev      |
| 1             | Jun-95 | 370   | <b>58.94</b> | <b>125.96</b> |
| 2             | Aug-95 | 20    |              |               |
| 3             | Feb-96 | 20    |              |               |
| 4             | Jun-96 | 10    |              |               |
| 5             | Aug-96 | 10    |              |               |
| 6             | Nov-96 | 10    |              |               |
| 7             | May-97 | 2.5   |              |               |
| 8             | Nov-97 | 29    |              |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 2.5        | -0.45                   | 36 | Nov-11 | 4.5 | 2.5        | -0.45                   |
| 10 | Nov-98 | 4.5 | 2.5        | -0.45                   | 37 | Jun-12 | 4.5 | 2.5        | -0.45                   |
| 11 | Apr-99 | 4.5 | 2.5        | -0.45                   | 38 | Dec-12 | 4.5 | 2.5        | -0.45                   |
| 12 | Nov-99 | 4.5 | 2.5        | -0.45                   | 39 | Jun-13 | 4.5 | 2.5        | -0.45                   |
| 13 | Apr-00 | 4.5 | 2.5        | -0.45                   | 40 | Nov-13 | 4.5 | 2.5        | -0.45                   |
| 14 | Dec-00 | 4.5 | 8          | -0.40                   | 41 | Jun-14 | 4.5 | 2.5        | -0.45                   |
| 15 | May-01 | 4.5 | 6          | -0.42                   | 42 | Jun-15 | 4.5 | 2.5        | -0.45                   |
| 16 | Oct-01 | 4.5 | 2.5        | -0.45                   | 43 | Jun-16 | 4.5 | 2.5        | -0.45                   |
| 17 | May-02 | 4.5 | 2.5        | -0.45                   | 44 | Jun-17 | 4.5 | 2.5        | -0.45                   |
| 18 | Nov-02 | 4.5 | 2.5        | -0.45                   | 45 | Jun-18 | 4.5 | 2.5        | -0.45                   |
| 19 | Jun-03 | 4.5 | 2.5        | -0.45                   | 46 | May-19 | 4.5 | 2.5        | -0.45                   |
| 20 | Nov-03 | 4.5 | 2.5        | -0.45                   | 47 | Jun-20 | 4.5 | 2.5        | -0.45                   |
| 21 | Jun-04 | 4.5 | 2.5        | -0.45                   | 48 | Jun-21 | 4.5 | 2.5        | -0.45                   |
| 22 | Dec-04 | 4.5 | 2.5        | -0.45                   | 49 | Jun-22 | 4.5 | 2.5        | -0.45                   |
| 23 | Jun-05 | 4.5 | 2.5        | -0.45                   | 50 | Jun-23 | 4.5 | 2.5        | -0.45                   |
| 24 | Dec-05 | 4.5 | 46         | -0.10                   | 51 | Jun-24 | 4.5 | 2.5        | -0.45                   |
| 25 | Jun-06 | 4.5 | 2.5        | -0.45                   | 52 | Jun-25 | 4.5 | 2.5        | -0.45                   |
| 26 | Nov-06 | 4.5 | 2.5        | -0.45                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 1          | -0.46                   |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 3          | -0.44                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 2.5        | -0.45                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 8          | -0.40                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -0.45                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 2.5        | -0.45                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2.5        | -0.45                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 2.5        | -0.45                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 2.5        | -0.45                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

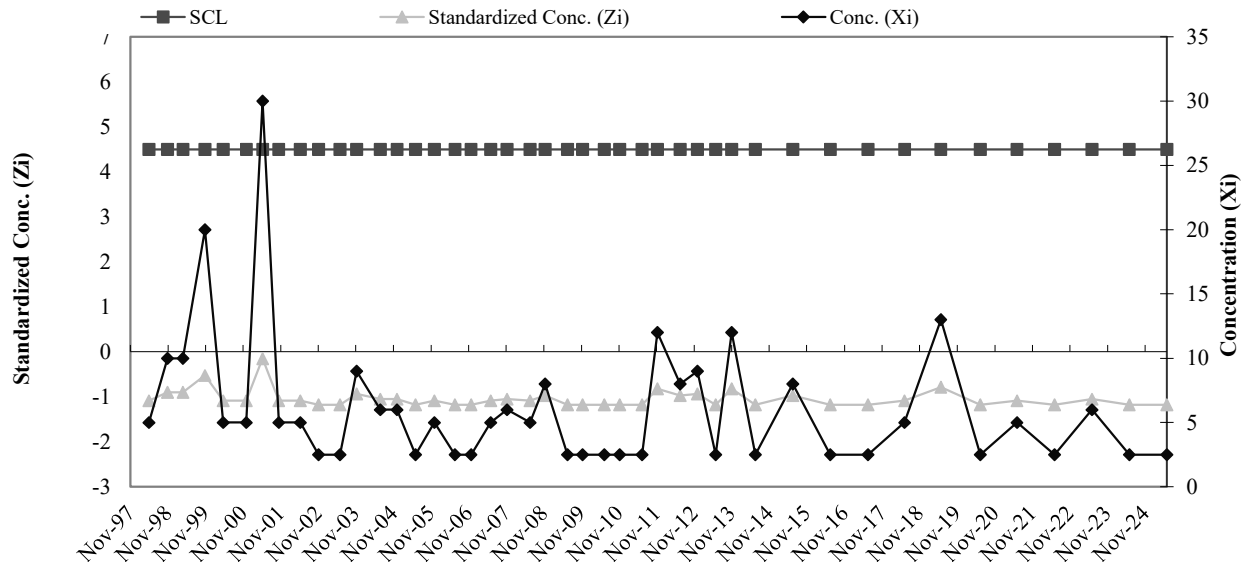


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-22D Zn**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 10    | <b>34.00</b> | <b>26.69</b> |
| 2             | Aug-95 | 47    |              |              |
| 3             | Feb-96 | 80    |              |              |
| 4             | Jun-96 | 20    |              |              |
| 5             | Aug-96 | 50    |              |              |
| 6             | Nov-96 | 50    |              |              |
| 7             | May-97 | 5     |              |              |
| 8             | Nov-97 | 10    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.09                   | 36 | Nov-11 | 4.5 | 12         | -0.82                   |
| 10 | Nov-98 | 4.5 | 10         | -0.90                   | 37 | Jun-12 | 4.5 | 8          | -0.97                   |
| 11 | Apr-99 | 4.5 | 10         | -0.90                   | 38 | Dec-12 | 4.5 | 9          | -0.94                   |
| 12 | Nov-99 | 4.5 | 20         | -0.52                   | 39 | Jun-13 | 4.5 | 2.5        | -1.18                   |
| 13 | Apr-00 | 4.5 | 5          | -1.09                   | 40 | Nov-13 | 4.5 | 12         | -0.82                   |
| 14 | Dec-00 | 4.5 | 5          | -1.09                   | 41 | Jun-14 | 4.5 | 2.5        | -1.18                   |
| 15 | May-01 | 4.5 | 30         | -0.15                   | 42 | Jun-15 | 4.5 | 8          | -0.97                   |
| 16 | Oct-01 | 4.5 | 5          | -1.09                   | 43 | Jun-16 | 4.5 | 2.5        | -1.18                   |
| 17 | May-02 | 4.5 | 5          | -1.09                   | 44 | Jun-17 | 4.5 | 2.5        | -1.18                   |
| 18 | Nov-02 | 4.5 | 2.5        | -1.18                   | 45 | Jun-18 | 4.5 | 5          | -1.09                   |
| 19 | Jun-03 | 4.5 | 2.5        | -1.18                   | 46 | May-19 | 4.5 | 13         | -0.79                   |
| 20 | Nov-03 | 4.5 | 9          | -0.94                   | 47 | Jun-20 | 4.5 | 2.5        | -1.18                   |
| 21 | Jun-04 | 4.5 | 6          | -1.05                   | 48 | Jun-21 | 4.5 | 5          | -1.09                   |
| 22 | Dec-04 | 4.5 | 6          | -1.05                   | 49 | Jun-22 | 4.5 | 2.5        | -1.18                   |
| 23 | Jun-05 | 4.5 | 2.5        | -1.18                   | 50 | Jun-23 | 4.5 | 6          | -1.05                   |
| 24 | Dec-05 | 4.5 | 5          | -1.09                   | 51 | Jun-24 | 4.5 | 2.5        | -1.18                   |
| 25 | Jun-06 | 4.5 | 2.5        | -1.18                   | 52 | Jun-25 | 4.5 | 2.5        | -1.18                   |
| 26 | Nov-06 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |
| 27 | Jun-07 | 4.5 | 5          | -1.09                   |    |        |     |            |                         |
| 28 | Nov-07 | 4.5 | 6          | -1.05                   |    |        |     |            |                         |
| 29 | Jun-08 | 4.5 | 5          | -1.09                   |    |        |     |            |                         |
| 30 | Nov-08 | 4.5 | 8          | -0.97                   |    |        |     |            |                         |
| 31 | Jun-09 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |
| 32 | Nov-09 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |
| 33 | Jun-10 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |
| 34 | Nov-10 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |
| 35 | Jun-11 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

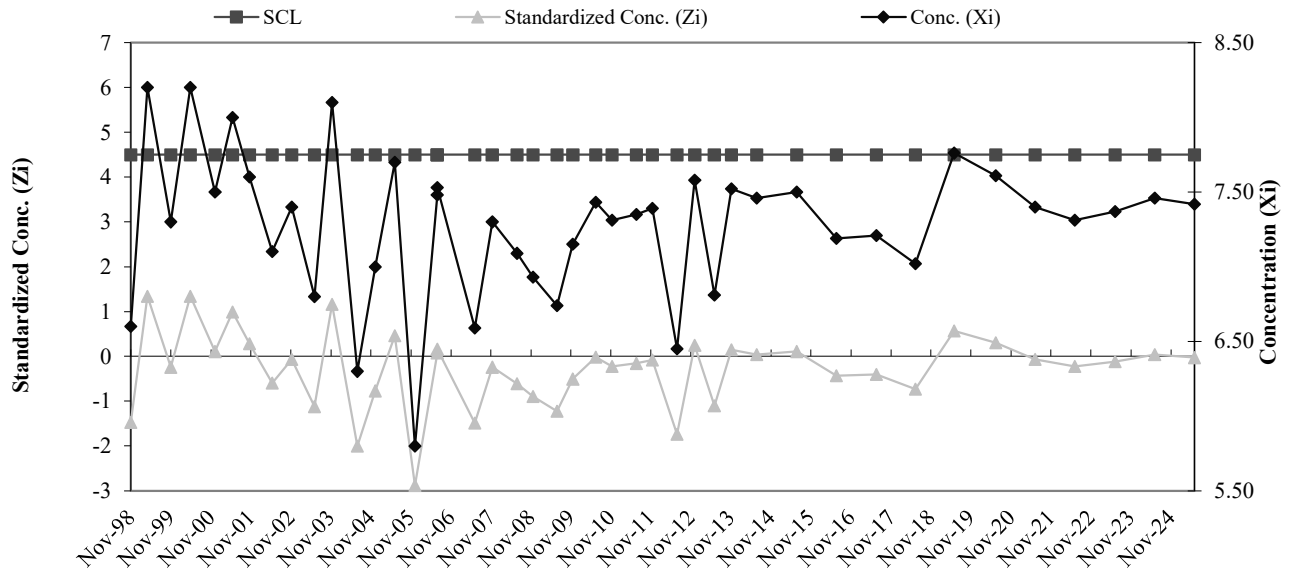


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-22D pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 7.70  | <b>7.44</b> | <b>0.57</b> |
| 2             | Aug-95 | 8.30  |             |             |
| 3             | Jun-96 | 7.50  |             |             |
| 4             | Aug-96 | 8.10  |             |             |
| 5             | Nov-96 | 7.20  |             |             |
| 6             | May-97 | 6.70  |             |             |
| 7             | Nov-97 | 6.90  |             |             |
| 8             | May-98 | 7.10  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 6.60       | -1.47                   | 35 | Nov-11 | 4.5 | 7.39       | -0.08                   |
| 10 | Apr-99 | 4.5 | 8.20       | 1.34                    | 36 | Jun-12 | 4.5 | 6.45       | -1.74                   |
| 11 | Nov-99 | 4.5 | 7.30       | -0.24                   | 37 | Dec-12 | 4.5 | 7.58       | 0.25                    |
| 12 | Apr-00 | 4.5 | 8.20       | 1.34                    | 38 | Jun-13 | 4.5 | 6.81       | -1.10                   |
| 13 | Dec-00 | 4.5 | 7.50       | 0.11                    | 39 | Nov-13 | 4.5 | 7.52       | 0.15                    |
| 14 | May-01 | 4.5 | 8.00       | 0.99                    | 40 | Jun-14 | 4.5 | 7.46       | 0.04                    |
| 15 | Oct-01 | 4.5 | 7.60       | 0.29                    | 41 | Jun-15 | 4.5 | 7.50       | 0.11                    |
| 16 | May-02 | 4.5 | 7.10       | -0.59                   | 42 | Jun-16 | 4.5 | 7.19       | -0.44                   |
| 17 | Nov-02 | 4.5 | 7.40       | -0.07                   | 43 | Jun-17 | 4.5 | 7.21       | -0.40                   |
| 18 | Jun-03 | 4.5 | 6.80       | -1.12                   | 44 | Jun-18 | 4.5 | 7.02       | -0.73                   |
| 19 | Nov-03 | 4.5 | 8.10       | 1.17                    | 45 | May-19 | 4.5 | 7.76       | 0.57                    |
| 20 | Jun-04 | 4.5 | 6.30       | -2.00                   | 46 | Jun-20 | 4.5 | 7.61       | 0.30                    |
| 21 | Dec-04 | 4.5 | 7.00       | -0.77                   | 47 | Jun-21 | 4.5 | 7.40       | -0.07                   |
| 22 | Jun-05 | 4.5 | 7.70       | 0.46                    | 48 | Jun-22 | 4.5 | 7.31       | -0.22                   |
| 23 | Dec-05 | 4.5 | 5.80       | -2.88                   | 49 | Jun-23 | 4.5 | 7.37       | -0.12                   |
| 24 | Jun-06 | 4.5 | 7.48       | 0.07                    | 50 | Jun-24 | 4.5 | 7.46       | 0.04                    |
| 25 | Jun-06 | 4.5 | 7.53       | 0.16                    | 51 | Jun-25 | 4.5 | 7.42       | -0.03                   |
| 26 | Jun-07 | 4.5 | 6.59       | -1.49                   |    |        |     |            |                         |
| 27 | Nov-07 | 4.5 | 7.30       | -0.24                   |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 7.09       | -0.61                   |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 6.93       | -0.89                   |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 6.74       | -1.23                   |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 7.15       | -0.51                   |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 7.43       | -0.01                   |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 7.31       | -0.22                   |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 7.35       | -0.15                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

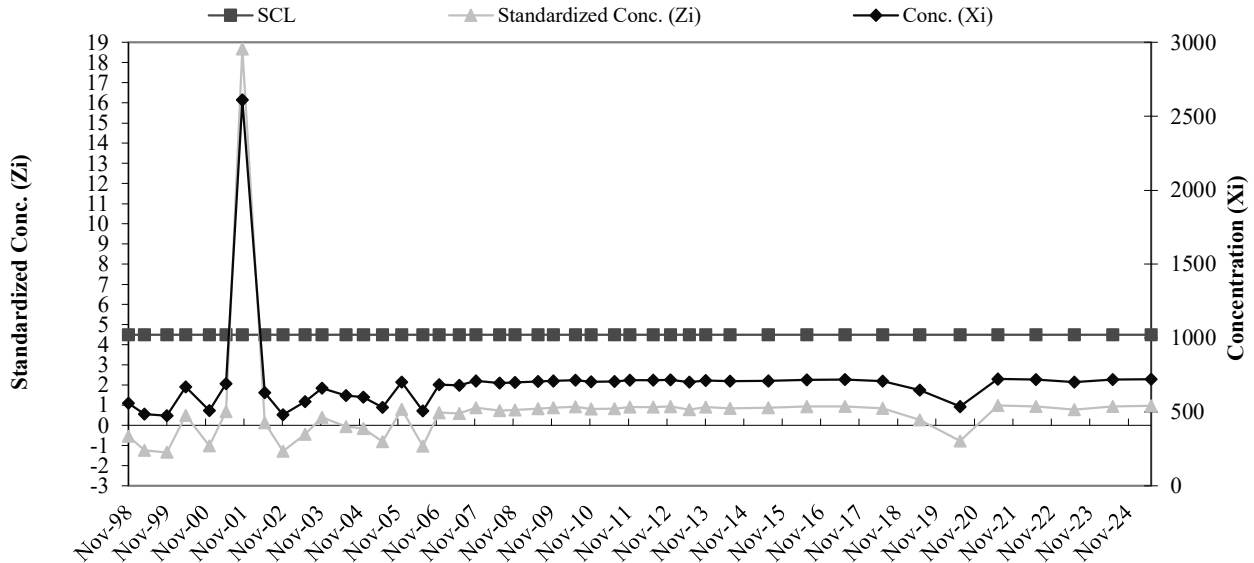


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-22D SpC**

| Baseline Data |        |       |               |               |
|---------------|--------|-------|---------------|---------------|
| Ti            | Date   | Conc. | Mean          | Std. Dev      |
| 1             | Jun-95 | 573   | <b>617.25</b> | <b>106.65</b> |
| 2             | Aug-95 | 739   |               |               |
| 3             | Jun-96 | 600   |               |               |
| 4             | Aug-96 | 608   |               |               |
| 5             | Nov-96 | 817   |               |               |
| 6             | May-97 | 550   |               |               |
| 7             | Nov-97 | 550   |               |               |
| 8             | May-98 | 501   |               |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 559        | -0.55                   | 35 | Nov-11 | 4.5 | 714        | 0.91                    |
| 10 | Apr-99 | 4.5 | 485        | -1.24                   | 36 | Jun-12 | 4.5 | 714        | 0.91                    |
| 11 | Nov-99 | 4.5 | 474        | -1.34                   | 37 | Dec-12 | 4.5 | 716        | 0.93                    |
| 12 | Apr-00 | 4.5 | 670        | 0.49                    | 38 | Jun-13 | 4.5 | 701        | 0.79                    |
| 13 | Dec-00 | 4.5 | 510        | -1.01                   | 39 | Nov-13 | 4.5 | 713        | 0.90                    |
| 14 | May-01 | 4.5 | 690        | 0.68                    | 40 | Jun-14 | 4.5 | 707        | 0.84                    |
| 15 | Oct-01 | 4.5 | 2610       | 18.68                   | 41 | Jun-15 | 4.5 | 710        | 0.87                    |
| 16 | May-02 | 4.5 | 630        | 0.12                    | 42 | Jun-16 | 4.5 | 716        | 0.93                    |
| 17 | Nov-02 | 4.5 | 480        | -1.29                   | 43 | Jun-17 | 4.5 | 718        | 0.94                    |
| 18 | Jun-03 | 4.5 | 570        | -0.44                   | 44 | Jun-18 | 4.5 | 707        | 0.84                    |
| 19 | Nov-03 | 4.5 | 660        | 0.40                    | 45 | May-19 | 4.5 | 647        | 0.28                    |
| 20 | Jun-04 | 4.5 | 610        | -0.07                   | 46 | Jun-20 | 4.5 | 535        | -0.77                   |
| 21 | Dec-04 | 4.5 | 600        | -0.16                   | 47 | Jun-21 | 4.5 | 722        | 0.98                    |
| 22 | Jun-05 | 4.5 | 531        | -0.81                   | 48 | Jun-22 | 4.5 | 718        | 0.94                    |
| 23 | Dec-05 | 4.5 | 702        | 0.79                    | 49 | Jun-23 | 4.5 | 701        | 0.79                    |
| 24 | Jun-06 | 4.5 | 507        | -1.04                   | 50 | Jun-24 | 4.5 | 718        | 0.94                    |
| 25 | Nov-06 | 4.5 | 684        | 0.63                    | 51 | Jun-25 | 4.5 | 721        | 0.97                    |
| 26 | Jun-07 | 4.5 | 680        | 0.59                    |    |        |     |            |                         |
| 27 | Nov-07 | 4.5 | 710        | 0.87                    |    |        |     |            |                         |
| 28 | Jun-08 | 4.5 | 694        | 0.72                    |    |        |     |            |                         |
| 29 | Nov-08 | 4.5 | 699        | 0.77                    |    |        |     |            |                         |
| 30 | Jun-09 | 4.5 | 705        | 0.82                    |    |        |     |            |                         |
| 31 | Nov-09 | 4.5 | 710        | 0.87                    |    |        |     |            |                         |
| 32 | Jun-10 | 4.5 | 715        | 0.92                    |    |        |     |            |                         |
| 33 | Nov-10 | 4.5 | 704        | 0.81                    |    |        |     |            |                         |
| 34 | Jun-11 | 4.5 | 705        | 0.82                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

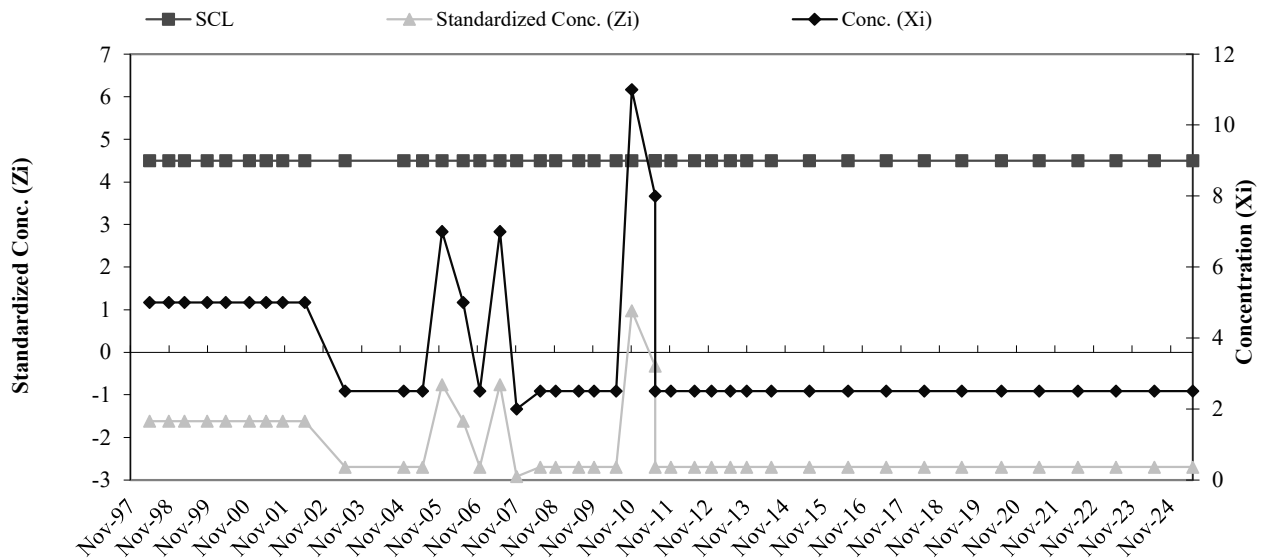


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-23DR Cr**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | Nov-97 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.62                   | 34 | Nov-11 | 4.5 | 2.5        | -2.70                   |
| 10 | Nov-98 | 4.5 | 5          | -1.62                   | 35 | Jun-12 | 4.5 | 2.5        | -2.70                   |
| 11 | Apr-99 | 4.5 | 5          | -1.62                   | 36 | Dec-12 | 4.5 | 2.5        | -2.70                   |
| 12 | Nov-99 | 4.5 | 5          | -1.62                   | 37 | Jun-13 | 4.5 | 2.5        | -2.70                   |
| 13 | Apr-00 | 4.5 | 5          | -1.62                   | 38 | Nov-13 | 4.5 | 2.5        | -2.70                   |
| 14 | Dec-00 | 4.5 | 5          | -1.62                   | 39 | Jun-14 | 4.5 | 2.5        | -2.70                   |
| 15 | May-01 | 4.5 | 5          | -1.62                   | 40 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 16 | Oct-01 | 4.5 | 5          | -1.62                   | 41 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 17 | May-02 | 4.5 | 5          | -1.62                   | 42 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 18 | Jun-03 | 4.5 | 2.5        | -2.70                   | 43 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 19 | Dec-04 | 4.5 | 2.5        | -2.70                   | 44 | Jun-19 | 4.5 | 2.5        | -2.70                   |
| 20 | Jun-05 | 4.5 | 2.5        | -2.70                   | 45 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 21 | Dec-05 | 4.5 | 7.0        | -0.76                   | 46 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 22 | Jun-06 | 4.5 | 5.0        | -1.62                   | 47 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 23 | Nov-06 | 4.5 | 2.5        | -2.70                   | 48 | Jun-23 | 4.5 | 2.5        | -2.70                   |
| 24 | Jun-07 | 4.5 | 7          | -0.76                   | 49 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 25 | Nov-07 | 4.5 | 2          | -2.92                   | 50 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 26 | Jun-08 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 27 | Nov-08 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 28 | Jun-09 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 29 | Nov-09 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 30 | Jun-10 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |
| 31 | Nov-10 | 4.5 | 11         | 0.97                    |    |        |     |            |                         |
| 32 | Jun-11 | 4.5 | 8          | -0.32                   |    |        |     |            |                         |
| 33 | Jun-11 | 4.5 | 2.5        | -2.70                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

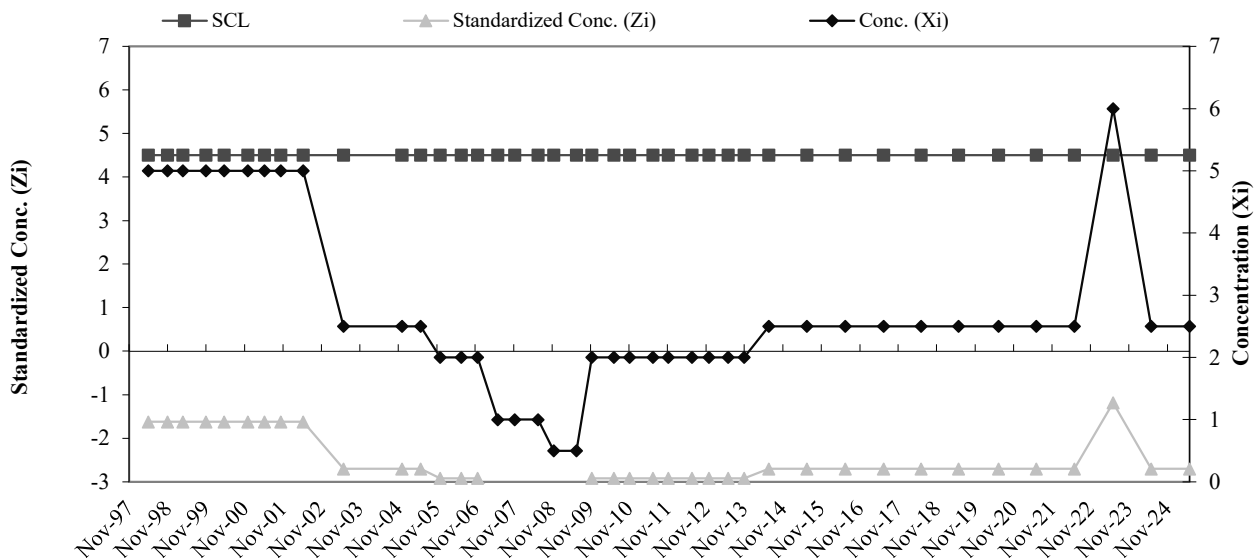


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-23DR Cu**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.75 | 2.31     |
| 2             | Aug-95 | 10    |      |          |
| 3             | Feb-96 | 10    |      |          |
| 4             | Jun-96 | 10    |      |          |
| 5             | Aug-96 | 10    |      |          |
| 6             | Nov-96 | 10    |      |          |
| 7             | May-97 | 5     |      |          |
| 8             | Nov-97 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -1.62                   | 33 | Nov-11 | 4.5 | 2          | -2.92                   |
| 10 | Nov-98 | 4.5 | 5          | -1.62                   | 34 | Jun-12 | 4.5 | 2          | -2.92                   |
| 11 | Apr-99 | 4.5 | 5          | -1.62                   | 35 | Dec-12 | 4.5 | 2          | -2.92                   |
| 12 | Nov-99 | 4.5 | 5          | -1.62                   | 36 | Jun-13 | 4.5 | 2          | -2.92                   |
| 13 | Apr-00 | 4.5 | 5          | -1.62                   | 37 | Nov-13 | 4.5 | 2          | -2.92                   |
| 14 | Dec-00 | 4.5 | 5          | -1.62                   | 38 | Jun-14 | 4.5 | 2.5        | -2.70                   |
| 15 | May-01 | 4.5 | 5          | -1.62                   | 39 | Jun-15 | 4.5 | 2.5        | -2.70                   |
| 16 | Oct-01 | 4.5 | 5          | -1.62                   | 40 | Jun-16 | 4.5 | 2.5        | -2.70                   |
| 17 | May-02 | 4.5 | 5          | -1.62                   | 41 | Jun-17 | 4.5 | 2.5        | -2.70                   |
| 18 | Jun-03 | 4.5 | 2.5        | -2.70                   | 42 | Jun-18 | 4.5 | 2.5        | -2.70                   |
| 19 | Dec-04 | 4.5 | 2.5        | -2.70                   | 43 | Jun-19 | 4.5 | 2.5        | -2.70                   |
| 20 | Jun-05 | 4.5 | 2.5        | -2.70                   | 44 | Jun-20 | 4.5 | 2.5        | -2.70                   |
| 21 | Dec-05 | 4.5 | 2.0        | -2.92                   | 45 | Jun-21 | 4.5 | 2.5        | -2.70                   |
| 22 | Jun-06 | 4.5 | 2.0        | -2.92                   | 46 | Jun-22 | 4.5 | 2.5        | -2.70                   |
| 23 | Nov-06 | 4.5 | 2.0        | -2.92                   | 47 | Jun-23 | 4.5 | 6          | -1.19                   |
| 24 | Jun-07 | 4.5 | 1          | -3.35                   | 48 | Jun-24 | 4.5 | 2.5        | -2.70                   |
| 25 | Nov-07 | 4.5 | 1          | -3.35                   | 49 | Jun-25 | 4.5 | 2.5        | -2.70                   |
| 26 | Jun-08 | 4.5 | 1          | -3.35                   |    |        |     |            |                         |
| 27 | Nov-08 | 4.5 | 0.5        | -3.56                   |    |        |     |            |                         |
| 28 | Jun-09 | 4.5 | 0.5        | -3.56                   |    |        |     |            |                         |
| 29 | Nov-09 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 30 | Jun-10 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 31 | Nov-10 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |
| 32 | Jun-11 | 4.5 | 2          | -2.92                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

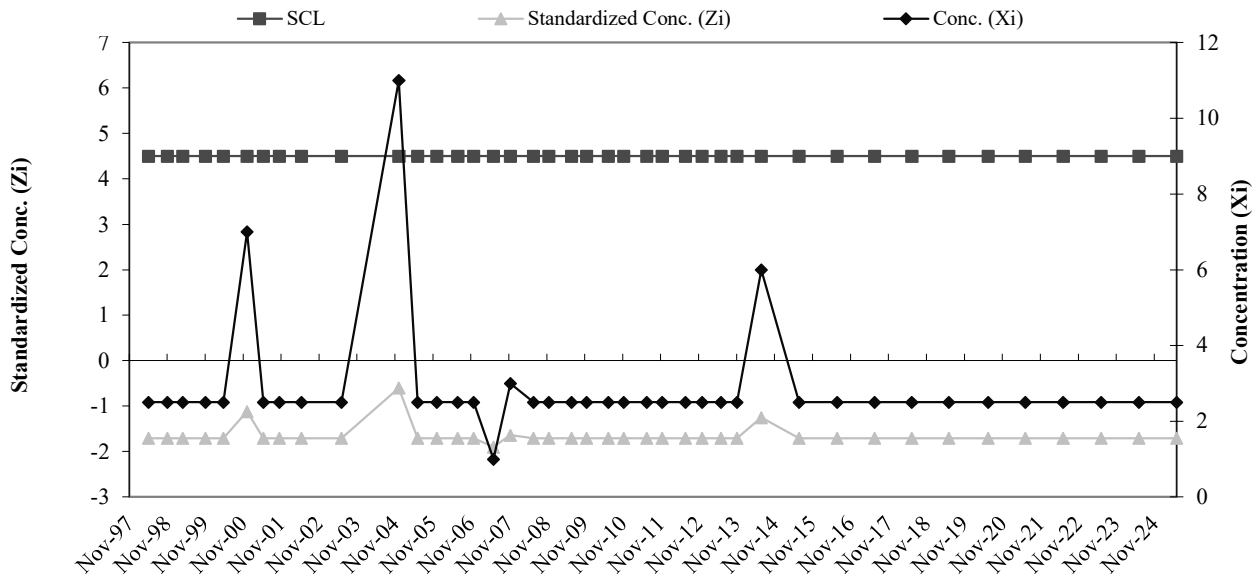


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-23DR Ni**

| Baseline Data |        |       |              |             |
|---------------|--------|-------|--------------|-------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev    |
| 1             | Jun-95 | 15    | <b>15.63</b> | <b>7.69</b> |
| 2             | Aug-95 | 20    |              |             |
| 3             | Feb-96 | 20    |              |             |
| 4             | Jun-96 | 10    |              |             |
| 5             | Aug-96 | 10    |              |             |
| 6             | Nov-96 | 10    |              |             |
| 7             | May-97 | 9     |              |             |
| 8             | Nov-97 | 31    |              |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 2.5        | -1.71                   | 33 | Nov-11 | 4.5 | 2.5        | -1.71                   |
| 10 | Nov-98 | 4.5 | 2.5        | -1.71                   | 34 | Jun-12 | 4.5 | 2.5        | -1.71                   |
| 11 | Apr-99 | 4.5 | 2.5        | -1.71                   | 35 | Dec-12 | 4.5 | 2.5        | -1.71                   |
| 12 | Nov-99 | 4.5 | 2.5        | -1.71                   | 36 | Jun-13 | 4.5 | 2.5        | -1.71                   |
| 13 | Apr-00 | 4.5 | 2.5        | -1.71                   | 37 | Nov-13 | 4.5 | 2.5        | -1.71                   |
| 14 | Dec-00 | 4.5 | 7.0        | -1.12                   | 38 | Jun-14 | 4.5 | 6          | -1.25                   |
| 15 | May-01 | 4.5 | 2.5        | -1.71                   | 39 | Jun-15 | 4.5 | 2.5        | -1.71                   |
| 16 | Oct-01 | 4.5 | 2.5        | -1.71                   | 40 | Jun-16 | 4.5 | 2.5        | -1.71                   |
| 17 | May-02 | 4.5 | 2.5        | -1.71                   | 41 | Jun-17 | 4.5 | 2.5        | -1.71                   |
| 18 | Jun-03 | 4.5 | 2.5        | -1.71                   | 42 | Jun-18 | 4.5 | 2.5        | -1.71                   |
| 19 | Dec-04 | 4.5 | 11.0       | -0.60                   | 43 | Jun-19 | 4.5 | 2.5        | -1.71                   |
| 20 | Jun-05 | 4.5 | 2.5        | -1.71                   | 44 | Jun-20 | 4.5 | 2.5        | -1.71                   |
| 21 | Dec-05 | 4.5 | 2.5        | -1.71                   | 45 | Jun-21 | 4.5 | 2.5        | -1.71                   |
| 22 | Jun-06 | 4.5 | 2.5        | -1.71                   | 46 | Jun-22 | 4.5 | 2.5        | -1.71                   |
| 23 | Nov-06 | 4.5 | 2.5        | -1.71                   | 47 | Jun-23 | 4.5 | 2.5        | -1.71                   |
| 24 | Jun-07 | 4.5 | 1          | -1.90                   | 48 | Jun-24 | 4.5 | 2.5        | -1.71                   |
| 25 | Nov-07 | 4.5 | 3          | -1.64                   | 49 | Jun-25 | 4.5 | 2.5        | -1.71                   |
| 26 | Jun-08 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 27 | Nov-08 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 28 | Jun-09 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 29 | Nov-09 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 30 | Jun-10 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 31 | Nov-10 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |
| 32 | Jun-11 | 4.5 | 2.5        | -1.71                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

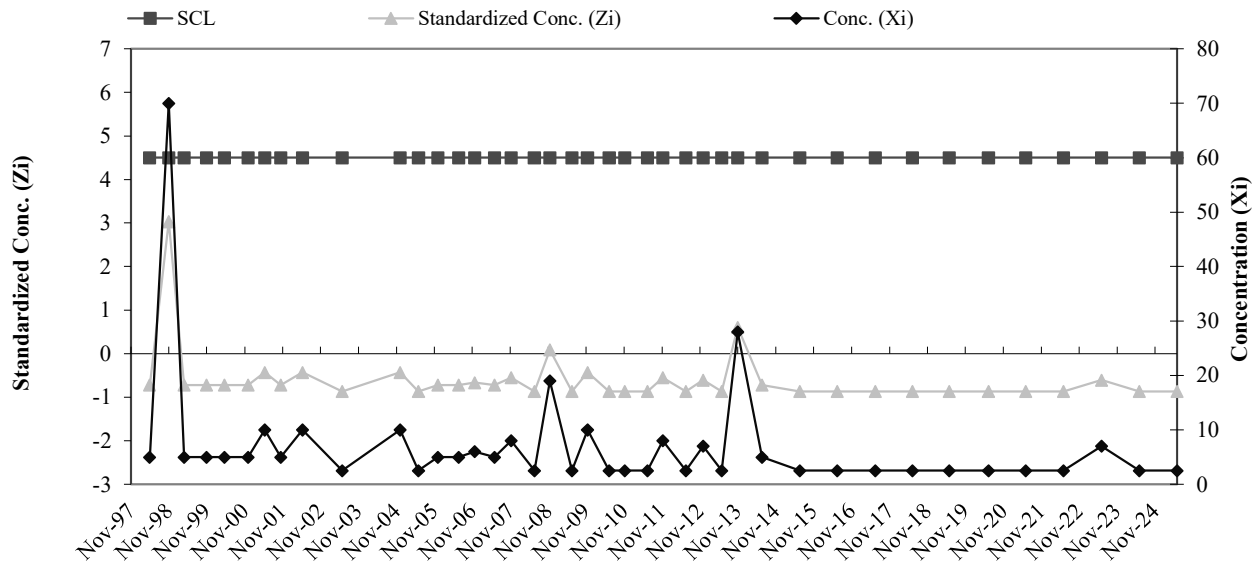


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-23DR Zn**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 10    | <b>17.50</b> | <b>17.32</b> |
| 2             | Aug-95 | 10    |              |              |
| 3             | Feb-96 | 10    |              |              |
| 4             | Jun-96 | 10    |              |              |
| 5             | Aug-96 | 50    |              |              |
| 6             | Nov-96 | 40    |              |              |
| 7             | May-97 | 5     |              |              |
| 8             | Nov-97 | 5     |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5.0        | -0.72                   | 33 | Nov-11 | 4.5 | 8          | -0.55                   |
| 10 | Nov-98 | 4.5 | 70.0       | 3.03                    | 34 | Jun-12 | 4.5 | 2.5        | -0.87                   |
| 11 | Apr-99 | 4.5 | 5.0        | -0.72                   | 35 | Dec-12 | 4.5 | 7          | -0.61                   |
| 12 | Nov-99 | 4.5 | 5.0        | -0.72                   | 36 | Jun-13 | 4.5 | 2.5        | -0.87                   |
| 13 | Apr-00 | 4.5 | 5.0        | -0.72                   | 37 | Nov-13 | 4.5 | 28         | 0.61                    |
| 14 | Dec-00 | 4.5 | 5.0        | -0.72                   | 38 | Jun-14 | 4.5 | 5          | -0.72                   |
| 15 | May-01 | 4.5 | 10.0       | -0.43                   | 39 | Jun-15 | 4.5 | 2.5        | -0.87                   |
| 16 | Oct-01 | 4.5 | 5.0        | -0.72                   | 40 | Jun-16 | 4.5 | 2.5        | -0.87                   |
| 17 | May-02 | 4.5 | 10.0       | -0.43                   | 41 | Jun-17 | 4.5 | 2.5        | -0.87                   |
| 18 | Jun-03 | 4.5 | 2.5        | -0.87                   | 42 | Jun-18 | 4.5 | 2.5        | -0.87                   |
| 19 | Dec-04 | 4.5 | 10.0       | -0.43                   | 43 | Jun-19 | 4.5 | 2.5        | -0.87                   |
| 20 | Jun-05 | 4.5 | 2.5        | -0.87                   | 44 | Jun-20 | 4.5 | 2.5        | -0.87                   |
| 21 | Dec-05 | 4.5 | 5.0        | -0.72                   | 45 | Jun-21 | 4.5 | 2.5        | -0.87                   |
| 22 | Jun-06 | 4.5 | 5.0        | -0.72                   | 46 | Jun-22 | 4.5 | 2.5        | -0.87                   |
| 23 | Nov-06 | 4.5 | 6.0        | -0.66                   | 47 | Jun-23 | 4.5 | 7          | -0.61                   |
| 24 | Jun-07 | 4.5 | 5          | -0.72                   | 48 | Jun-24 | 4.5 | 2.5        | -0.87                   |
| 25 | Nov-07 | 4.5 | 8          | -0.55                   | 49 | Jun-25 | 4.5 | 2.5        | -0.87                   |
| 26 | Jun-08 | 4.5 | 2.5        | -0.87                   |    |        |     |            |                         |
| 27 | Nov-08 | 4.5 | 19         | 0.09                    |    |        |     |            |                         |
| 28 | Jun-09 | 4.5 | 2.5        | -0.87                   |    |        |     |            |                         |
| 29 | Nov-09 | 4.5 | 10         | -0.43                   |    |        |     |            |                         |
| 30 | Jun-10 | 4.5 | 2.5        | -0.87                   |    |        |     |            |                         |
| 31 | Nov-10 | 4.5 | 2.5        | -0.87                   |    |        |     |            |                         |
| 32 | Jun-11 | 4.5 | 2.5        | -0.87                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

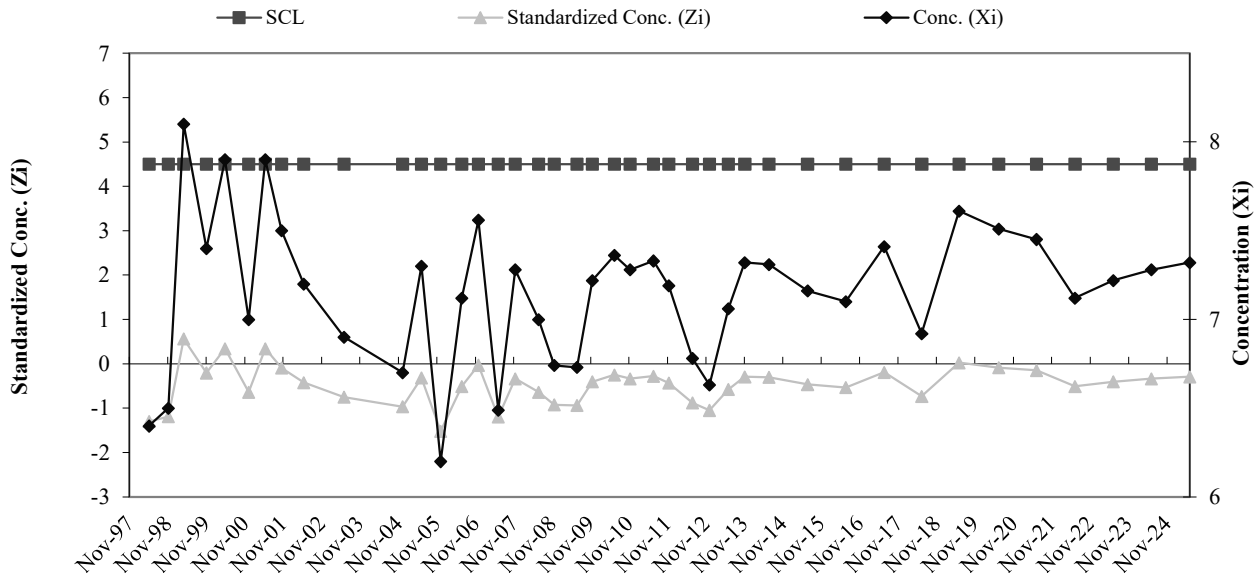


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-23DR pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 7.30  | <b>7.59</b> | <b>0.91</b> |
| 2             | Aug-95 | 8.20  |             |             |
| 3             | Feb-96 | 7.50  |             |             |
| 4             | Jun-96 | 8.30  |             |             |
| 5             | Aug-96 | 8.90  |             |             |
| 6             | Nov-96 | 7.70  |             |             |
| 7             | May-97 | 6.80  |             |             |
| 8             | Nov-97 | 6.00  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 6.40       | -1.30                   | 33 | Nov-11 | 4.5 | 7.19       | -0.43                   |
| 10 | Nov-98 | 4.5 | 6.50       | -1.19                   | 34 | Jun-12 | 4.5 | 6.78       | -0.88                   |
| 11 | Apr-99 | 4.5 | 8.10       | 0.56                    | 35 | Dec-12 | 4.5 | 6.63       | -1.05                   |
| 12 | Nov-99 | 4.5 | 7.40       | -0.21                   | 36 | Jun-13 | 4.5 | 7.06       | -0.58                   |
| 13 | Apr-00 | 4.5 | 7.90       | 0.34                    | 37 | Nov-13 | 4.5 | 7.32       | -0.29                   |
| 14 | Dec-00 | 4.5 | 7.00       | -0.64                   | 38 | Jun-14 | 4.5 | 7.31       | -0.30                   |
| 15 | May-01 | 4.5 | 7.90       | 0.34                    | 39 | Jun-15 | 4.5 | 7.16       | -0.47                   |
| 16 | Oct-01 | 4.5 | 7.50       | -0.10                   | 40 | Jun-16 | 4.5 | 7.10       | -0.53                   |
| 17 | May-02 | 4.5 | 7.20       | -0.42                   | 41 | Jun-17 | 4.5 | 7.41       | -0.19                   |
| 18 | Jun-03 | 4.5 | 6.90       | -0.75                   | 42 | Jun-18 | 4.5 | 6.92       | -0.73                   |
| 19 | Dec-04 | 4.5 | 6.70       | -0.97                   | 43 | Jun-19 | 4.5 | 7.61       | 0.02                    |
| 20 | Jun-05 | 4.5 | 7.30       | -0.31                   | 44 | Jun-20 | 4.5 | 7.51       | -0.08                   |
| 21 | Dec-05 | 4.5 | 6.20       | -1.52                   | 45 | Jun-21 | 4.5 | 7.45       | -0.15                   |
| 22 | Jun-06 | 4.5 | 7.12       | -0.51                   | 46 | Jun-22 | 4.5 | 7.12       | -0.51                   |
| 23 | Nov-06 | 4.5 | 7.56       | -0.03                   | 47 | Jun-23 | 4.5 | 7.22       | -0.40                   |
| 24 | Jun-07 | 4.5 | 6.49       | -1.20                   | 48 | Jun-24 | 4.5 | 7.28       | -0.34                   |
| 25 | Nov-07 | 4.5 | 7.28       | -0.34                   | 49 | Jun-25 | 4.5 | 7.32       | -0.29                   |
| 26 | Jun-08 | 4.5 | 7.00       | -0.64                   |    |        |     |            |                         |
| 27 | Nov-08 | 4.5 | 6.74       | -0.93                   |    |        |     |            |                         |
| 28 | Jun-09 | 4.5 | 6.73       | -0.94                   |    |        |     |            |                         |
| 29 | Nov-09 | 4.5 | 7.22       | -0.40                   |    |        |     |            |                         |
| 30 | Jun-10 | 4.5 | 7.36       | -0.25                   |    |        |     |            |                         |
| 31 | Nov-10 | 4.5 | 7.28       | -0.34                   |    |        |     |            |                         |
| 32 | Jun-11 | 4.5 | 7.33       | -0.28                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

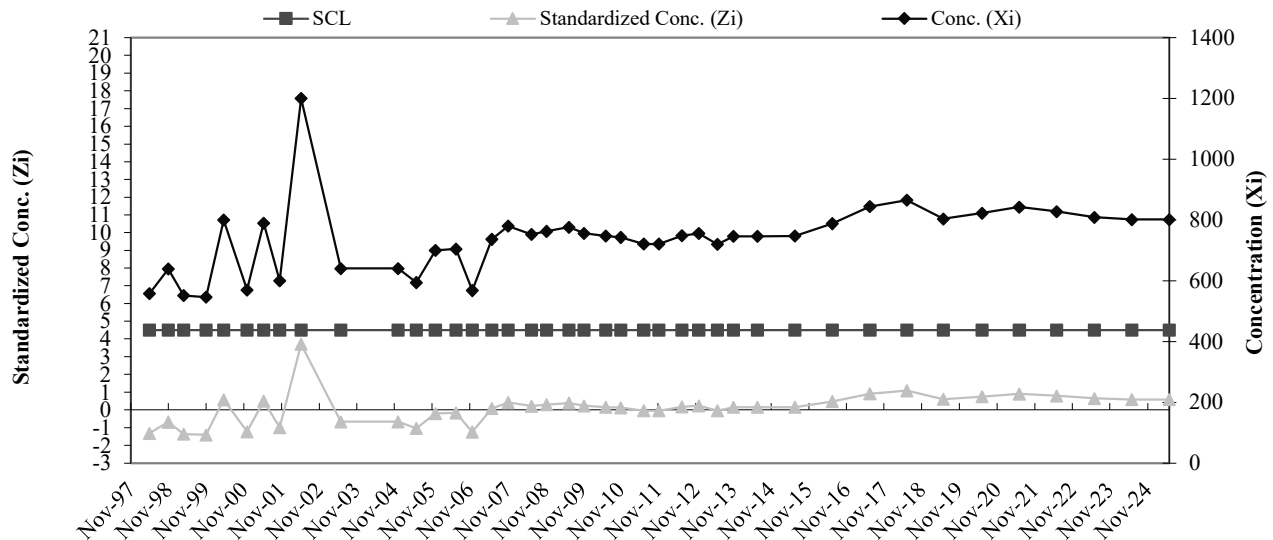


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-23DR SpC**

| Baseline Data |        |       |               |               |
|---------------|--------|-------|---------------|---------------|
| Ti            | Date   | Conc. | Mean          | Std. Dev      |
| 1             | Jun-95 | 680   | <b>725.75</b> | <b>127.98</b> |
| 2             | Aug-95 | 845   |               |               |
| 3             | Feb-96 | 751   |               |               |
| 4             | Jun-96 | 632   |               |               |
| 5             | Aug-96 | 691   |               |               |
| 6             | Nov-96 | 977   |               |               |
| 7             | May-97 | 610   |               |               |
| 8             | Nov-97 | 620   |               |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 558        | -1.31                   | 33 | Nov-11 | 4.5 | 721        | -0.04                   |
| 10 | Nov-98 | 4.5 | 639        | -0.68                   | 34 | Jun-12 | 4.5 | 748        | 0.17                    |
| 11 | Apr-99 | 4.5 | 552        | -1.36                   | 35 | Dec-12 | 4.5 | 755        | 0.23                    |
| 12 | Nov-99 | 4.5 | 546        | -1.40                   | 36 | Jun-13 | 4.5 | 720        | -0.04                   |
| 13 | Apr-00 | 4.5 | 800        | 0.58                    | 37 | Nov-13 | 4.5 | 746        | 0.16                    |
| 14 | Dec-00 | 4.5 | 570        | -1.22                   | 38 | Jun-14 | 4.5 | 746        | 0.16                    |
| 15 | May-01 | 4.5 | 790        | 0.50                    | 39 | Jun-15 | 4.5 | 747        | 0.17                    |
| 16 | Oct-01 | 4.5 | 600        | -0.98                   | 40 | Jun-16 | 4.5 | 788        | 0.49                    |
| 17 | May-02 | 4.5 | 1200       | 3.71                    | 41 | Jun-17 | 4.5 | 844        | 0.92                    |
| 18 | Jun-03 | 4.5 | 640        | -0.67                   | 42 | Jun-18 | 4.5 | 865        | 1.09                    |
| 19 | Dec-04 | 4.5 | 640        | -0.67                   | 43 | Jun-19 | 4.5 | 803        | 0.60                    |
| 20 | Jun-05 | 4.5 | 594        | -1.03                   | 44 | Jun-20 | 4.5 | 822        | 0.75                    |
| 21 | Dec-05 | 4.5 | 700        | -0.20                   | 45 | Jun-21 | 4.5 | 842        | 0.91                    |
| 22 | Jun-06 | 4.5 | 705        | -0.16                   | 46 | Jun-22 | 4.5 | 828        | 0.80                    |
| 23 | Nov-06 | 4.5 | 568        | -1.23                   | 47 | Jun-23 | 4.5 | 809        | 0.65                    |
| 24 | Jun-07 | 4.5 | 736        | 0.08                    | 48 | Jun-24 | 4.5 | 802        | 0.60                    |
| 25 | Nov-07 | 4.5 | 780        | 0.42                    | 49 | Jun-25 | 4.5 | 802        | 0.60                    |
| 26 | Jun-08 | 4.5 | 753        | 0.21                    |    |        |     |            |                         |
| 27 | Nov-08 | 4.5 | 763        | 0.29                    |    |        |     |            |                         |
| 28 | Jun-09 | 4.5 | 776        | 0.39                    |    |        |     |            |                         |
| 29 | Nov-09 | 4.5 | 756        | 0.24                    |    |        |     |            |                         |
| 30 | Jun-10 | 4.5 | 747        | 0.17                    |    |        |     |            |                         |
| 31 | Nov-10 | 4.5 | 743        | 0.13                    |    |        |     |            |                         |
| 32 | Jun-11 | 4.5 | 721        | -0.04                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

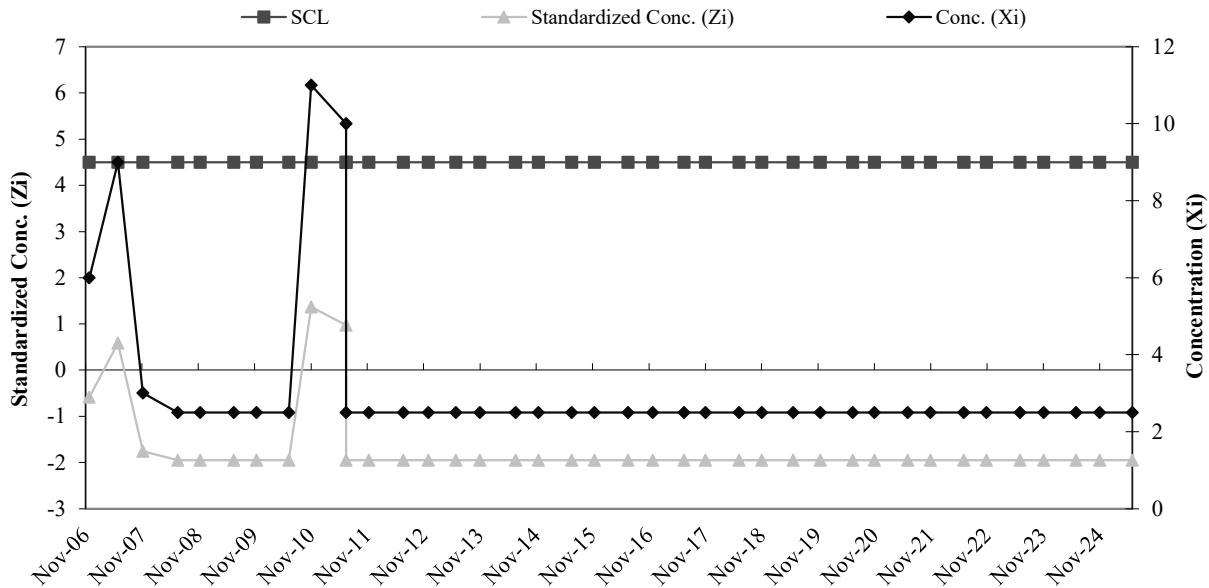


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-24R Cr**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Aug-96 | 10    | <b>7.50</b> | <b>2.56</b> |
| 2             | Nov-96 | 10    |             |             |
| 3             | May-97 | 5     |             |             |
| 4             | May-98 | 5     |             |             |
| 5             | Nov-03 | 5     |             |             |
| 6             | Jun-05 | 8     |             |             |
| 7             | Dec-05 | 11    |             |             |
| 8             | Jun-06 | 6     |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-06 | 4.5 | 6          | -0.59                   | 35 | May-19 | 4.5 | 2.5        | -1.95                   |
| 10 | Jun-07 | 4.5 | 9          | 0.59                    | 36 | Nov-19 | 4.5 | 2.5        | -1.95                   |
| 11 | Nov-07 | 4.5 | 3          | -1.76                   | 37 | Jun-20 | 4.5 | 2.5        | -1.95                   |
| 12 | Jun-08 | 4.5 | 2.5        | -1.95                   | 38 | Nov-20 | 4.5 | 2.5        | -1.95                   |
| 13 | Nov-08 | 4.5 | 2.5        | -1.95                   | 39 | Jun-21 | 4.5 | 2.5        | -1.95                   |
| 14 | Jun-09 | 4.5 | 2.5        | -1.95                   | 40 | Nov-21 | 4.5 | 2.5        | -1.95                   |
| 15 | Nov-09 | 4.5 | 2.5        | -1.95                   | 41 | Jun-22 | 4.5 | 2.5        | -1.95                   |
| 16 | Jun-10 | 4.5 | 2.5        | -1.95                   | 42 | Nov-22 | 4.5 | 2.5        | -1.95                   |
| 17 | Nov-10 | 4.5 | 11         | 1.37                    | 43 | Jun-23 | 4.5 | 2.5        | -1.95                   |
| 18 | Jun-11 | 4.5 | 10         | 0.98                    | 44 | Nov-23 | 4.5 | 2.5        | -1.95                   |
| 19 | Jun-11 | 4.5 | 2.5        | -1.95                   | 45 | Jun-24 | 4.5 | 2.5        | -1.95                   |
| 20 | Nov-11 | 4.5 | 2.5        | -1.95                   | 46 | Nov-24 | 4.5 | 2.5        | -1.95                   |
| 21 | Jun-12 | 4.5 | 2.5        | -1.95                   | 47 | Jun-25 | 4.5 | 2.5        | -1.95                   |
| 22 | Dec-12 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 23 | Jun-13 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 24 | Nov-13 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 25 | Jun-14 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 26 | Nov-14 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 27 | Jun-15 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 28 | Nov-15 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 29 | Jun-16 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 30 | Nov-16 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 31 | Jun-17 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 32 | Nov-17 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 33 | Jun-18 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |
| 34 | Nov-18 | 4.5 | 2.5        | -1.95                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

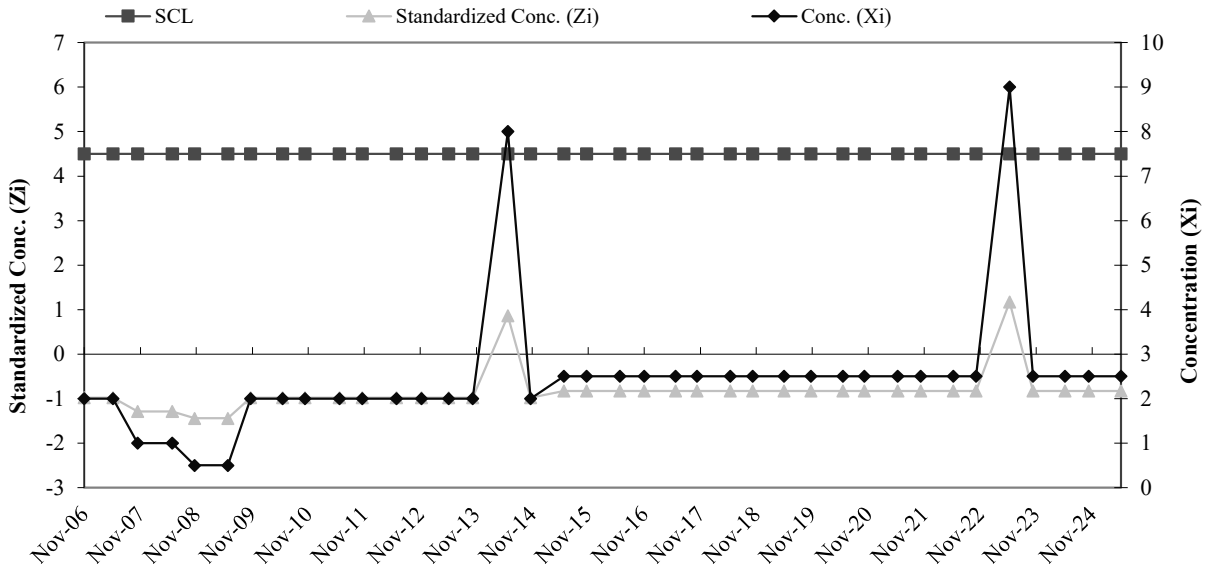


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-24R Cu**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Aug-96 | 10    | 5.19 | 3.25     |
| 2             | Nov-96 | 10    |      |          |
| 3             | May-97 | 5     |      |          |
| 4             | May-98 | 5     |      |          |
| 5             | Nov-03 | 5     |      |          |
| 6             | Jun-05 | 2.5   |      |          |
| 7             | Dec-05 | 2     |      |          |
| 8             | Jun-06 | 2     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-06 | 4.5 | 2          | -0.98                   | 35 | Nov-19 | 4.5 | 2.5        | -0.83                   |
| 10 | Jun-07 | 4.5 | 2          | -0.98                   | 36 | Jun-20 | 4.5 | 2.5        | -0.83                   |
| 11 | Nov-07 | 4.5 | 1          | -1.29                   | 37 | Nov-20 | 4.5 | 2.5        | -0.83                   |
| 12 | Jun-08 | 4.5 | 1          | -1.29                   | 38 | Jun-21 | 4.5 | 2.5        | -0.83                   |
| 13 | Nov-08 | 4.5 | 0.5        | -1.44                   | 39 | Nov-21 | 4.5 | 2.5        | -0.83                   |
| 14 | Jun-09 | 4.5 | 0.5        | -1.44                   | 40 | Jun-22 | 4.5 | 2.5        | -0.83                   |
| 15 | Nov-09 | 4.5 | 2          | -0.98                   | 41 | Nov-22 | 4.5 | 2.5        | -0.83                   |
| 16 | Jun-10 | 4.5 | 2          | -0.98                   | 42 | Jun-23 | 4.5 | 9          | 1.17                    |
| 17 | Nov-10 | 4.5 | 2          | -0.98                   | 43 | Nov-23 | 4.5 | 2.5        | -0.83                   |
| 18 | Jun-11 | 4.5 | 2          | -0.98                   | 44 | Jun-24 | 4.5 | 2.5        | -0.83                   |
| 19 | Nov-11 | 4.5 | 2          | -0.98                   | 45 | Nov-24 | 4.5 | 2.5        | -0.83                   |
| 20 | Jun-12 | 4.5 | 2          | -0.98                   | 46 | Jun-25 | 4.5 | 2.5        | -0.83                   |
| 21 | Dec-12 | 4.5 | 2          | -0.98                   |    |        |     |            |                         |
| 22 | Jun-13 | 4.5 | 2          | -0.98                   |    |        |     |            |                         |
| 23 | Nov-13 | 4.5 | 2          | -0.98                   |    |        |     |            |                         |
| 24 | Jun-14 | 4.5 | 8          | 0.87                    |    |        |     |            |                         |
| 25 | Nov-14 | 4.5 | 2          | -0.98                   |    |        |     |            |                         |
| 26 | Jun-15 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 27 | Nov-15 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 28 | Jun-16 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 29 | Nov-16 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 30 | Jun-17 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 31 | Nov-17 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 32 | Jun-18 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 33 | Nov-18 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |
| 34 | May-19 | 4.5 | 2.5        | -0.83                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

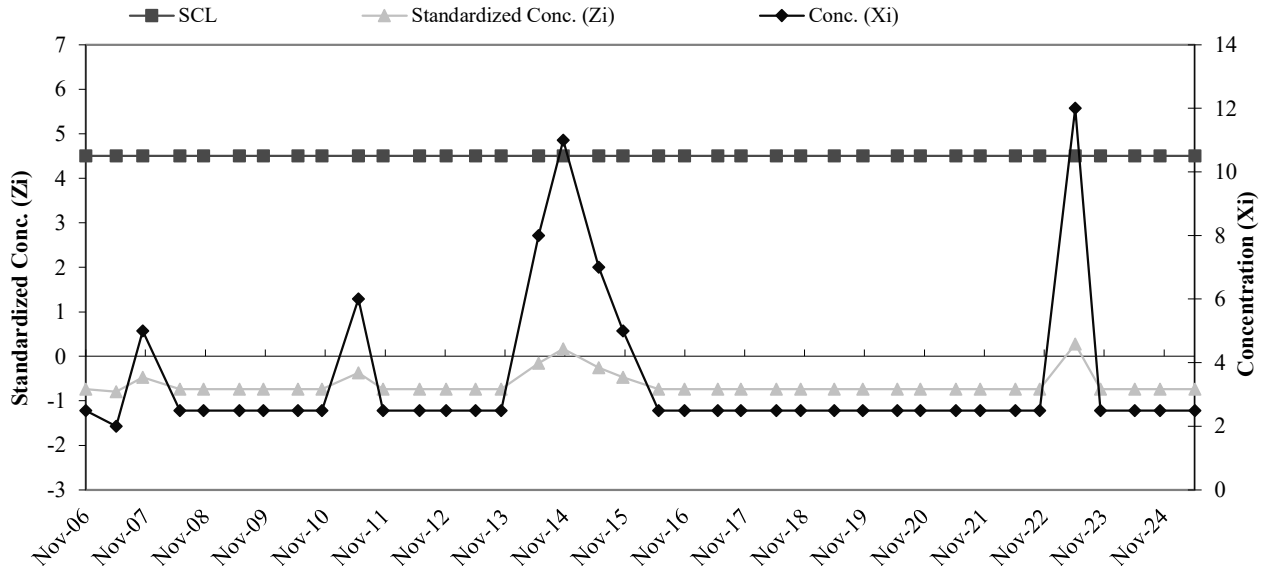


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-24R Ni**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Aug-96 | 10    | <b>9.44</b> | <b>9.35</b> |
| 2             | Nov-96 | 10    |             |             |
| 3             | May-97 | 31    |             |             |
| 4             | May-98 | 8     |             |             |
| 5             | Nov-03 | 9     |             |             |
| 6             | Jun-05 | 2.5   |             |             |
| 7             | Dec-05 | 2.5   |             |             |
| 8             | Jun-06 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-06 | 4.5 | 2.5        | -0.74                   | 35 | Nov-19 | 4.5 | 2.5        | -0.74                   |
| 10 | Jun-07 | 4.5 | 2          | -0.80                   | 36 | Jun-20 | 4.5 | 2.5        | -0.74                   |
| 11 | Nov-07 | 4.5 | 5          | -0.47                   | 37 | Nov-20 | 4.5 | 2.5        | -0.74                   |
| 12 | Jun-08 | 4.5 | 2.5        | -0.74                   | 38 | Jun-21 | 4.5 | 2.5        | -0.74                   |
| 13 | Nov-08 | 4.5 | 2.5        | -0.74                   | 39 | Nov-21 | 4.5 | 2.5        | -0.74                   |
| 14 | Jun-09 | 4.5 | 2.5        | -0.74                   | 40 | Jun-22 | 4.5 | 2.5        | -0.74                   |
| 15 | Nov-09 | 4.5 | 2.5        | -0.74                   | 41 | Nov-22 | 4.5 | 2.5        | -0.74                   |
| 16 | Jun-10 | 4.5 | 2.5        | -0.74                   | 42 | Jun-23 | 4.5 | 12         | 0.27                    |
| 17 | Nov-10 | 4.5 | 2.5        | -0.74                   | 43 | Nov-23 | 4.5 | 2.5        | -0.74                   |
| 18 | Jun-11 | 4.5 | 6          | -0.37                   | 44 | Jun-24 | 4.5 | 2.5        | -0.74                   |
| 19 | Nov-11 | 4.5 | 2.5        | -0.74                   | 45 | Nov-24 | 4.5 | 2.5        | -0.74                   |
| 20 | Jun-12 | 4.5 | 2.5        | -0.74                   | 46 | Jun-25 | 4.5 | 2.5        | -0.74                   |
| 21 | Dec-12 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 22 | Jun-13 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 23 | Nov-13 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 24 | Jun-14 | 4.5 | 8          | -0.15                   |    |        |     |            |                         |
| 25 | Nov-14 | 4.5 | 11         | 0.17                    |    |        |     |            |                         |
| 26 | Jun-15 | 4.5 | 7          | -0.26                   |    |        |     |            |                         |
| 27 | Nov-15 | 4.5 | 5          | -0.47                   |    |        |     |            |                         |
| 28 | Jun-16 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 29 | Nov-16 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 30 | Jun-17 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 31 | Nov-17 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 32 | Jun-18 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 33 | Nov-18 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 34 | May-19 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

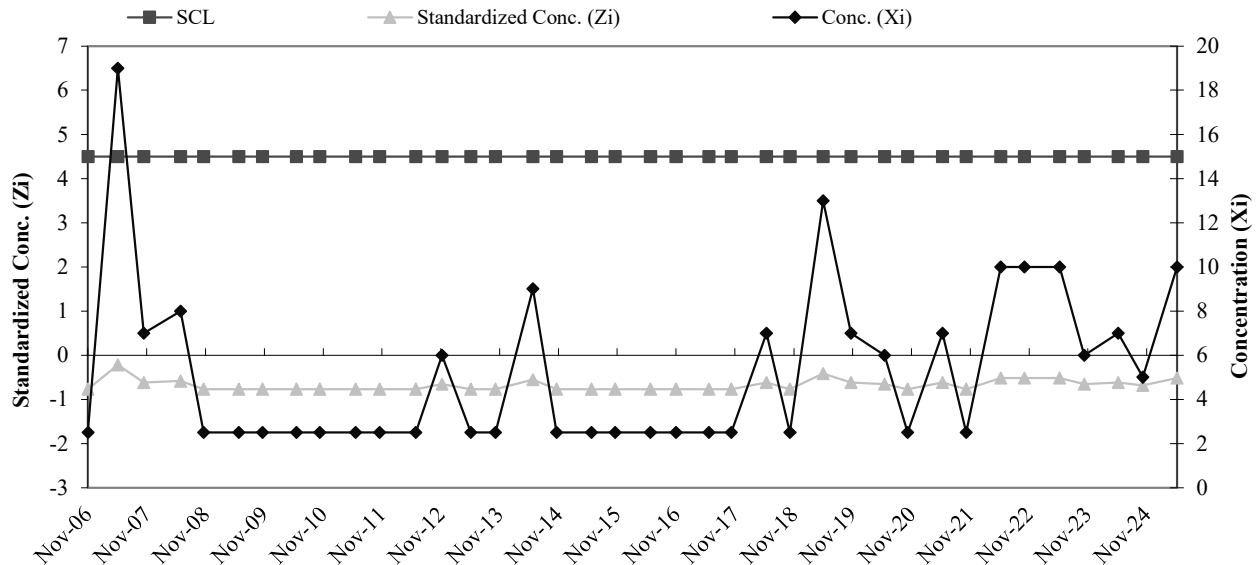


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-24R Zn**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Aug-96 | 90    | <b>25.63</b> | <b>30.14</b> |
| 2             | Nov-96 | 50    |              |              |
| 3             | May-97 | 10    |              |              |
| 4             | May-98 | 20    |              |              |
| 5             | Nov-03 | 20    |              |              |
| 6             | Jun-05 | 2.5   |              |              |
| 7             | Dec-05 | 10    |              |              |
| 8             | Jun-06 | 2.5   |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-06 | 4.5 | 2.5        | -0.77                   | 35 | Nov-19 | 4.5 | 7          | -0.62                   |
| 10 | Jun-07 | 4.5 | 19         | -0.22                   | 36 | Jun-20 | 4.5 | 6          | -0.65                   |
| 11 | Nov-07 | 4.5 | 7          | -0.62                   | 37 | Nov-20 | 4.5 | 2.5        | -0.77                   |
| 12 | Jun-08 | 4.5 | 8          | -0.58                   | 38 | Jun-21 | 4.5 | 7          | -0.62                   |
| 13 | Nov-08 | 4.5 | 2.5        | -0.77                   | 39 | Nov-21 | 4.5 | 2.5        | -0.77                   |
| 14 | Jun-09 | 4.5 | 2.5        | -0.77                   | 40 | Jun-22 | 4.5 | 10         | -0.52                   |
| 15 | Nov-09 | 4.5 | 2.5        | -0.77                   | 41 | Nov-22 | 4.5 | 10         | -0.52                   |
| 16 | Jun-10 | 4.5 | 2.5        | -0.77                   | 42 | Jun-23 | 4.5 | 10         | -0.52                   |
| 17 | Nov-10 | 4.5 | 2.5        | -0.77                   | 43 | Nov-23 | 4.5 | 6          | -0.65                   |
| 18 | Jun-11 | 4.5 | 2.5        | -0.77                   | 44 | Jun-24 | 4.5 | 7          | -0.62                   |
| 19 | Nov-11 | 4.5 | 2.5        | -0.77                   | 45 | Nov-24 | 4.5 | 5          | -0.68                   |
| 20 | Jun-12 | 4.5 | 2.5        | -0.77                   | 46 | Jun-25 | 4.5 | 10         | -0.52                   |
| 21 | Dec-12 | 4.5 | 6          | -0.65                   |    |        |     |            |                         |
| 22 | Jun-13 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 23 | Nov-13 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 24 | Jun-14 | 4.5 | 9          | -0.55                   |    |        |     |            |                         |
| 25 | Nov-14 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 26 | Jun-15 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 27 | Nov-15 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 28 | Jun-16 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 29 | Nov-16 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 30 | Jun-17 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 31 | Nov-17 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 32 | Jun-18 | 4.5 | 7          | -0.62                   |    |        |     |            |                         |
| 33 | Nov-18 | 4.5 | 2.5        | -0.77                   |    |        |     |            |                         |
| 34 | May-19 | 4.5 | 13         | -0.42                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

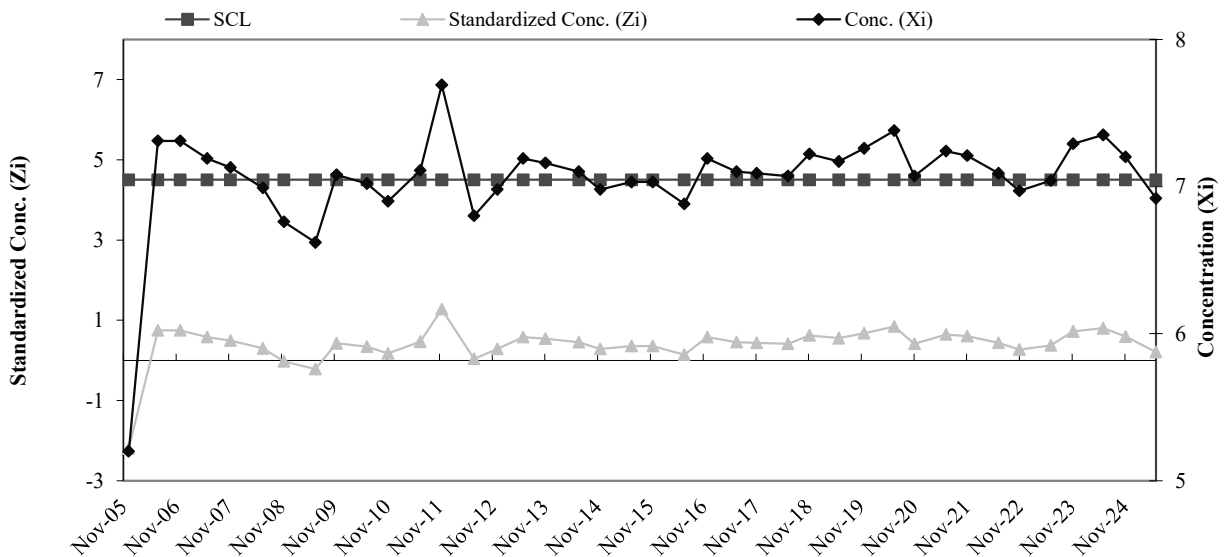


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-24R pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Aug-96 | 7.80  | <b>6.78</b> | <b>0.72</b> |
| 2             | Nov-96 | 7.10  |             |             |
| 3             | May-97 | 6.40  |             |             |
| 4             | May-98 | 6.50  |             |             |
| 5             | Nov-98 | 5.50  |             |             |
| 6             | Nov-99 | 7.20  |             |             |
| 7             | May-01 | 6.40  |             |             |
| 8             | Jun-05 | 7.30  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 5.20       | -2.20                   | 35 | Nov-19 | 4.5 | 7.26       | 0.68                    |
| 10 | Jun-06 | 4.5 | 7.31       | 0.75                    | 36 | Jun-20 | 4.5 | 7.38       | 0.84                    |
| 11 | Nov-06 | 4.5 | 7.31       | 0.75                    | 37 | Nov-20 | 4.5 | 7.07       | 0.41                    |
| 12 | Jun-07 | 4.5 | 7.19       | 0.58                    | 38 | Jun-21 | 4.5 | 7.24       | 0.65                    |
| 13 | Nov-07 | 4.5 | 7.13       | 0.50                    | 39 | Nov-21 | 4.5 | 7.21       | 0.61                    |
| 14 | Jun-08 | 4.5 | 6.99       | 0.30                    | 40 | Jun-22 | 4.5 | 7.09       | 0.44                    |
| 15 | Nov-08 | 4.5 | 6.76       | -0.02                   | 41 | Nov-22 | 4.5 | 6.97       | 0.27                    |
| 14 | Jun-09 | 4.5 | 6.62       | -0.22                   | 42 | Jun-23 | 4.5 | 7.04       | 0.37                    |
| 15 | Nov-09 | 4.5 | 7.08       | 0.43                    | 43 | Nov-23 | 4.5 | 7.29       | 0.72                    |
| 16 | Jun-10 | 4.5 | 7.02       | 0.34                    | 44 | Jun-24 | 4.5 | 7.35       | 0.80                    |
| 17 | Nov-10 | 4.5 | 6.90       | 0.17                    | 45 | Nov-24 | 4.5 | 7.20       | 0.59                    |
| 18 | Jun-11 | 4.5 | 7.11       | 0.47                    | 46 | Jun-25 | 4.5 | 6.92       | 0.20                    |
| 19 | Nov-11 | 4.5 | 7.69       | 1.28                    |    |        |     |            |                         |
| 20 | Jun-12 | 4.5 | 6.80       | 0.03                    |    |        |     |            |                         |
| 21 | Dec-12 | 4.5 | 6.98       | 0.29                    |    |        |     |            |                         |
| 22 | Jun-13 | 4.5 | 7.19       | 0.58                    |    |        |     |            |                         |
| 23 | Nov-13 | 4.5 | 7.16       | 0.54                    |    |        |     |            |                         |
| 24 | Jun-14 | 4.5 | 7.10       | 0.45                    |    |        |     |            |                         |
| 25 | Nov-14 | 4.5 | 6.98       | 0.29                    |    |        |     |            |                         |
| 26 | Jun-15 | 4.5 | 7.03       | 0.36                    |    |        |     |            |                         |
| 27 | Nov-15 | 4.5 | 7.03       | 0.36                    |    |        |     |            |                         |
| 28 | Jun-16 | 4.5 | 6.88       | 0.15                    |    |        |     |            |                         |
| 29 | Nov-16 | 4.5 | 7.19       | 0.58                    |    |        |     |            |                         |
| 30 | Jun-17 | 4.5 | 7.10       | 0.45                    |    |        |     |            |                         |
| 31 | Nov-17 | 4.5 | 7.09       | 0.44                    |    |        |     |            |                         |
| 32 | Jun-18 | 4.5 | 7.07       | 0.41                    |    |        |     |            |                         |
| 33 | Nov-18 | 4.5 | 7.22       | 0.62                    |    |        |     |            |                         |
| 34 | May-19 | 4.5 | 7.17       | 0.55                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

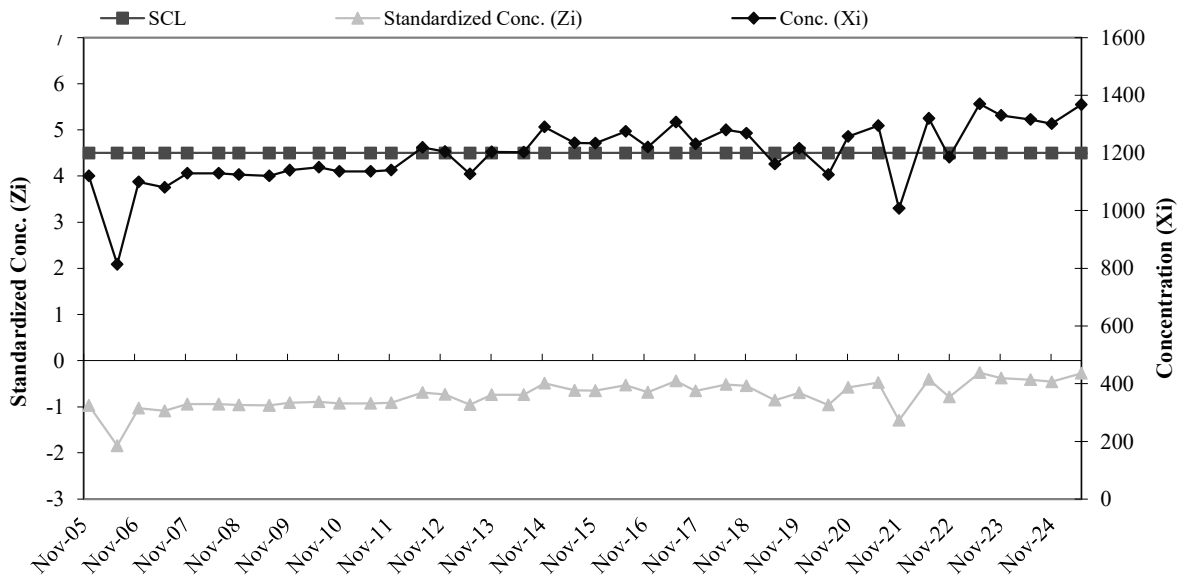


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-24R SpC**

| Baseline Data |        |       |                 |               |
|---------------|--------|-------|-----------------|---------------|
| Ti            | Date   | Conc. | Mean            | Std. Dev      |
| 1             | Aug-96 | 1502  | <b>1,462.00</b> | <b>351.23</b> |
| 2             | Nov-96 | 2030  |                 |               |
| 3             | May-97 | 1700  |                 |               |
| 4             | May-98 | 1410  |                 |               |
| 5             | Nov-98 | 1595  |                 |               |
| 6             | Nov-99 | 1152  |                 |               |
| 7             | May-01 | 1450  |                 |               |
| 8             | Jun-05 | 857   |                 |               |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Dec-05 | 4.5 | 1120       | -0.97                   | 37 | Nov-19 | 4.5 | 1216       | -0.70                   |
| 10 | Jun-06 | 4.5 | 814        | -1.84                   | 38 | Jun-20 | 4.5 | 1125       | -0.96                   |
| 11 | Nov-06 | 4.5 | 1100       | -1.03                   | 39 | Nov-20 | 4.5 | 1257       | -0.58                   |
| 12 | Jun-07 | 4.5 | 1080       | -1.09                   | 40 | Jun-21 | 4.5 | 1295       | -0.48                   |
| 13 | Nov-07 | 4.5 | 1130       | -0.95                   | 41 | Nov-21 | 4.5 | 1008       | -1.29                   |
| 14 | Jun-08 | 4.5 | 1130       | -0.95                   | 42 | Jun-22 | 4.5 | 1320       | -0.40                   |
| 15 | Nov-08 | 4.5 | 1125       | -0.96                   | 43 | Nov-22 | 4.5 | 1186       | -0.79                   |
| 16 | Jun-09 | 4.5 | 1120       | -0.97                   | 44 | Jun-23 | 4.5 | 1370       | -0.26                   |
| 17 | Nov-09 | 4.5 | 1140       | -0.92                   | 45 | Nov-23 | 4.5 | 1330       | -0.38                   |
| 18 | Jun-10 | 4.5 | 1150       | -0.89                   | 46 | Jun-24 | 4.5 | 1316       | -0.42                   |
| 19 | Nov-10 | 4.5 | 1136       | -0.93                   | 47 | Nov-24 | 4.5 | 1301       | -0.46                   |
| 20 | Jun-11 | 4.5 | 1136       | -0.93                   | 48 | Jun-25 | 4.5 | 1367       | -0.27                   |
| 21 | Nov-11 | 4.5 | 1141       | -0.91                   |    |        |     |            |                         |
| 22 | Jun-12 | 4.5 | 1219       | -0.69                   |    |        |     |            |                         |
| 23 | Dec-12 | 4.5 | 1204       | -0.73                   |    |        |     |            |                         |
| 24 | Jun-13 | 4.5 | 1127       | -0.95                   |    |        |     |            |                         |
| 25 | Nov-13 | 4.5 | 1203       | -0.74                   |    |        |     |            |                         |
| 26 | Jun-14 | 4.5 | 1202       | -0.74                   |    |        |     |            |                         |
| 27 | Nov-14 | 4.5 | 1290       | -0.49                   |    |        |     |            |                         |
| 28 | Jun-15 | 4.5 | 1235       | -0.65                   |    |        |     |            |                         |
| 29 | Nov-15 | 4.5 | 1234       | -0.65                   |    |        |     |            |                         |
| 30 | Jun-16 | 4.5 | 1275       | -0.53                   |    |        |     |            |                         |
| 31 | Nov-16 | 4.5 | 1220       | -0.69                   |    |        |     |            |                         |
| 32 | Jun-17 | 4.5 | 1307       | -0.44                   |    |        |     |            |                         |
| 33 | Nov-17 | 4.5 | 1231       | -0.66                   |    |        |     |            |                         |
| 34 | Jun-18 | 4.5 | 1280       | -0.52                   |    |        |     |            |                         |
| 35 | Nov-18 | 4.5 | 1269       | -0.55                   |    |        |     |            |                         |
| 36 | May-19 | 4.5 | 1161       | -0.86                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

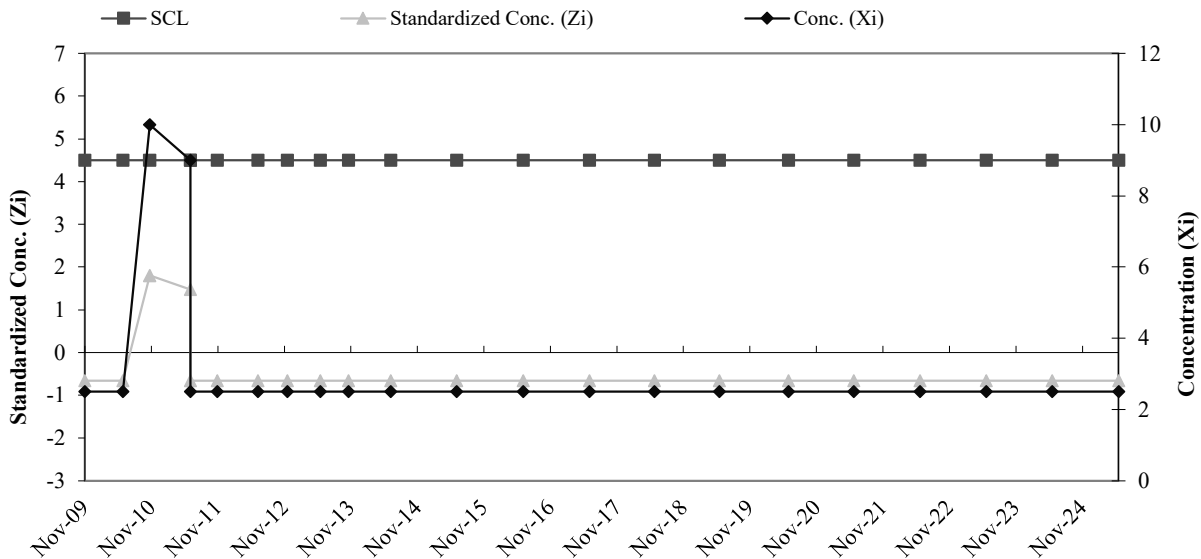


**COLDWATER ROAD LANDFILL FACILITY  
RCRA GROUND WATER DETECTION MONITORING SYSTEM  
SHEWART CONTROL CHART  
B-27D Cr**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Dec-05 | 9     | <b>4.50</b> | <b>3.05</b> |
| 2             | Jun-06 | 6     |             |             |
| 3             | Nov-06 | 2.5   |             |             |
| 4             | Jun-07 | 9     |             |             |
| 5             | Nov-07 | 2     |             |             |
| 6             | Jun-08 | 2.5   |             |             |
| 7             | Nov-08 | 2.5   |             |             |
| 8             | Jun-09 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|
| 9  | Nov-09 | 4.5 | 2.5        | -0.66                   |
| 10 | Jun-10 | 4.5 | 2.5        | -0.66                   |
| 11 | Nov-10 | 4.5 | 10         | 1.80                    |
| 12 | Jun-11 | 4.5 | 9          | 1.48                    |
| 13 | Jun-11 | 4.5 | 2.5        | -0.66                   |
| 14 | Nov-11 | 4.5 | 2.5        | -0.66                   |
| 15 | Jun-12 | 4.5 | 2.5        | -0.66                   |
| 16 | Dec-12 | 4.5 | 2.5        | -0.66                   |
| 17 | Jun-13 | 4.5 | 2.5        | -0.66                   |
| 18 | Nov-13 | 4.5 | 2.5        | -0.66                   |
| 19 | Jun-14 | 4.5 | 2.5        | -0.66                   |
| 20 | Jun-15 | 4.5 | 2.5        | -0.66                   |
| 21 | Jun-16 | 4.5 | 2.5        | -0.66                   |
| 22 | Jun-17 | 4.5 | 2.5        | -0.66                   |
| 23 | Jun-18 | 4.5 | 2.5        | -0.66                   |
| 24 | Jun-19 | 4.5 | 2.5        | -0.66                   |
| 25 | Jun-20 | 4.5 | 2.5        | -0.66                   |
| 26 | Jun-21 | 4.5 | 2.5        | -0.66                   |
| 27 | Jun-22 | 4.5 | 2.5        | -0.66                   |
| 28 | Jun-23 | 4.5 | 2.5        | -0.66                   |
| 29 | Jun-24 | 4.5 | 2.5        | -0.66                   |
| 30 | Jun-25 | 4.5 | 2.5        | -0.66                   |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean









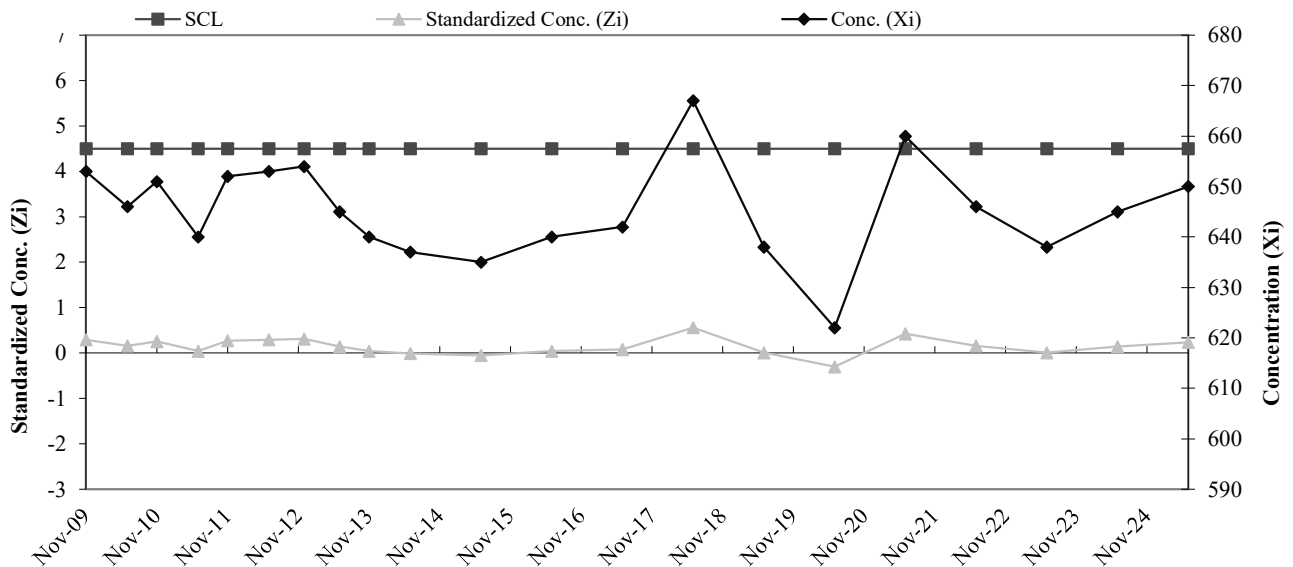


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-27D SpC**

| Baseline Data |        |       |               |              |
|---------------|--------|-------|---------------|--------------|
| Ti            | Date   | Conc. | Mean          | Std. Dev     |
| 1             | Dec-05 | 714   | <b>637.75</b> | <b>52.08</b> |
| 2             | Jun-06 | 594   |               |              |
| 3             | Nov-06 | 540   |               |              |
| 4             | Jun-07 | 628   |               |              |
| 5             | Nov-07 | 649   |               |              |
| 6             | Jun-08 | 659   |               |              |
| 7             | Nov-08 | 667   |               |              |
| 8             | Jun-09 | 651   |               |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|
| 9  | Nov-09 | 4.5 | 653        | 0.29                    |
| 10 | Jun-10 | 4.5 | 646        | 0.16                    |
| 11 | Nov-10 | 4.5 | 651        | 0.25                    |
| 12 | Jun-11 | 4.5 | 640        | 0.04                    |
| 13 | Nov-11 | 4.5 | 652        | 0.27                    |
| 14 | Jun-12 | 4.5 | 653        | 0.29                    |
| 15 | Dec-12 | 4.5 | 654        | 0.31                    |
| 16 | Jun-13 | 4.5 | 645        | 0.14                    |
| 17 | Nov-13 | 4.5 | 640        | 0.04                    |
| 18 | Jun-14 | 4.5 | 637        | -0.01                   |
| 19 | Jun-15 | 4.5 | 635        | -0.05                   |
| 20 | Jun-16 | 4.5 | 640        | 0.04                    |
| 21 | Jun-17 | 4.5 | 642        | 0.08                    |
| 22 | Jun-18 | 4.5 | 667        | 0.56                    |
| 23 | Jun-19 | 4.5 | 638        | 0.00                    |
| 24 | Jun-20 | 4.5 | 622        | -0.30                   |
| 25 | Jun-21 | 4.5 | 660        | 0.43                    |
| 26 | Jun-22 | 4.5 | 646        | 0.16                    |
| 27 | Jun-23 | 4.5 | 638        | 0.00                    |
| 28 | Jun-24 | 4.5 | 645        | 0.14                    |
| 29 | Jun-25 | 4.5 | 650        | 0.24                    |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

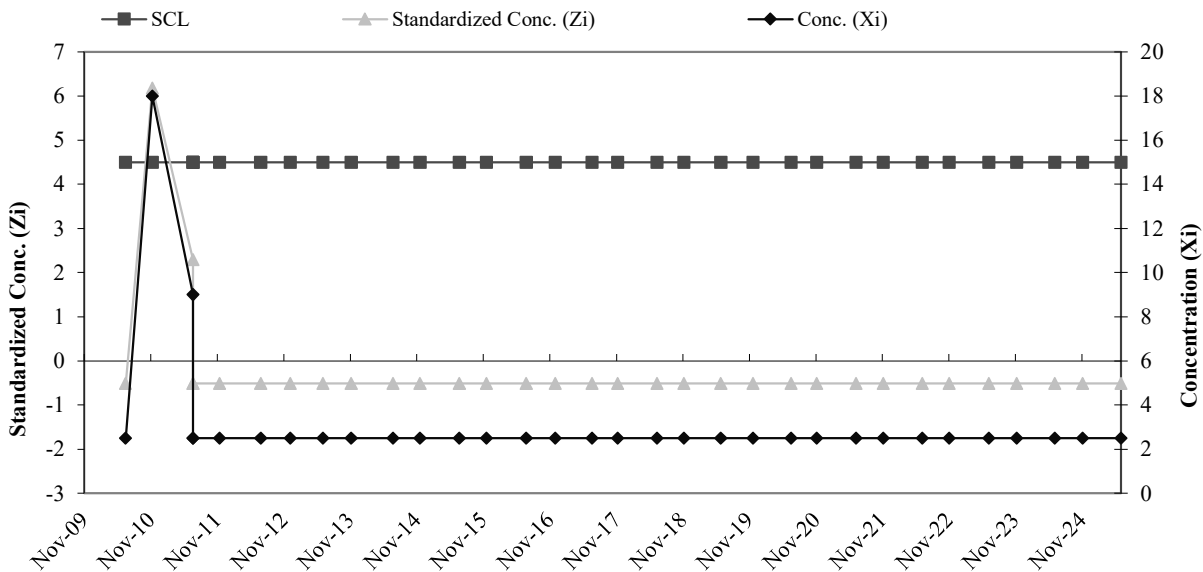


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-28 Cr**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-06 | 5     | <b>3.69</b> | <b>2.31</b> |
| 2             | Dec-06 | 2.5   |             |             |
| 3             | Jun-07 | 9     |             |             |
| 4             | Nov-07 | 3     |             |             |
| 5             | Jun-08 | 2.5   |             |             |
| 6             | Nov-08 | 2.5   |             |             |
| 7             | Jun-09 | 2.5   |             |             |
| 8             | Nov-09 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Jun-10 | 4.5 | 2.5        | -0.51                   | 34 | Nov-21 | 4.5 | 2.5        | -0.51                   |
| 10 | Nov-10 | 4.5 | 18         | 6.19                    | 35 | Jun-22 | 4.5 | 2.5        | -0.51                   |
| 11 | Jun-11 | 4.5 | 9          | 2.30                    | 36 | Nov-22 | 4.5 | 2.5        | -0.51                   |
| 12 | Jun-11 | 4.5 | 2.5        | -0.51                   | 37 | Jun-23 | 4.5 | 2.5        | -0.51                   |
| 13 | Jun-11 | 4.5 | 2.5        | -0.51                   | 38 | Nov-23 | 4.5 | 2.5        | -0.51                   |
| 14 | Nov-11 | 4.5 | 2.5        | -0.51                   | 39 | Jun-24 | 4.5 | 2.5        | -0.51                   |
| 15 | Jun-12 | 4.5 | 2.5        | -0.51                   | 40 | Nov-24 | 4.5 | 2.5        | -0.51                   |
| 16 | Dec-12 | 4.5 | 2.5        | -0.51                   | 41 | Jun-25 | 4.5 | 2.5        | -0.51                   |
| 17 | Jun-13 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 18 | Nov-13 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 19 | Jun-14 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 20 | Nov-14 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 21 | Jun-15 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 22 | Nov-15 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 23 | Jun-16 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 24 | Nov-16 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 25 | Jun-17 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 26 | Nov-17 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 27 | Jun-18 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 28 | Nov-18 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 29 | May-19 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 30 | Nov-19 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 31 | Jun-20 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 32 | Nov-20 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |
| 33 | Jun-21 | 4.5 | 2.5        | -0.51                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

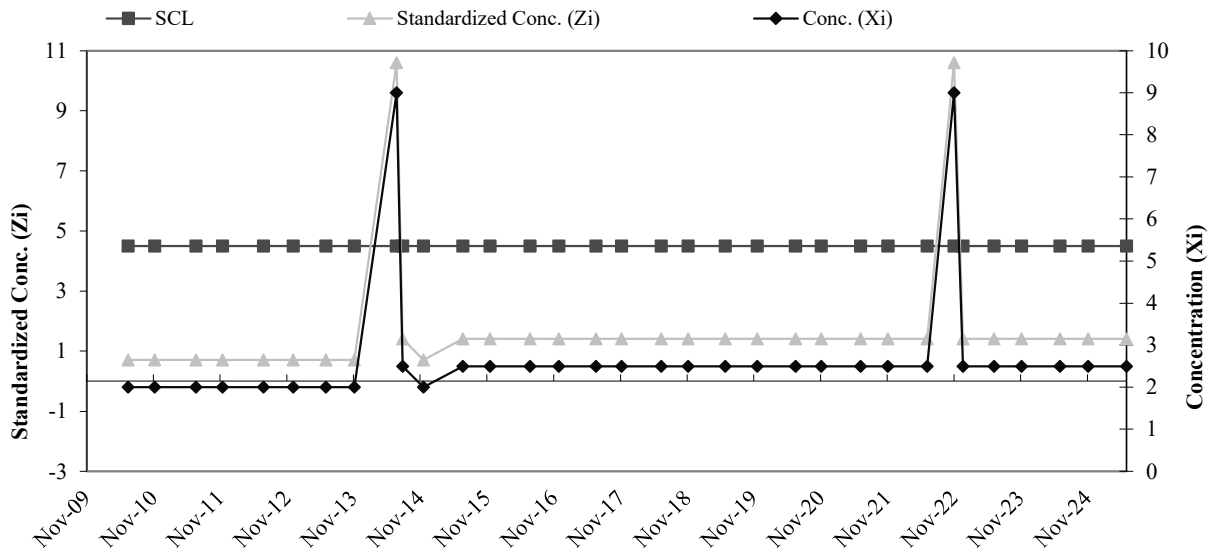


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-28 Cu**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-06 | 2     | <b>1.50</b> | <b>0.71</b> |
| 2             | Dec-06 | 2     |             |             |
| 3             | Jun-07 | 2     |             |             |
| 4             | Nov-07 | 2     |             |             |
| 5             | Jun-08 | 1     |             |             |
| 6             | Nov-08 | 0.5   |             |             |
| 7             | Jun-09 | 0.5   |             |             |
| 8             | Nov-09 | 2     |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Jun-10 | 4.5 | 2          | 0.71                    | 33 | Nov-21 | 4.5 | 2.5        | 1.41                    |
| 10 | Nov-10 | 4.5 | 2          | 0.71                    | 34 | Jun-22 | 4.5 | 2.5        | 1.41                    |
| 11 | Jun-11 | 4.5 | 2          | 0.71                    | 35 | Nov-22 | 4.5 | 9          | 10.61                   |
| 12 | Nov-11 | 4.5 | 2          | 0.71                    | 36 | Dec-22 | 4.5 | 2.5        | 1.41                    |
| 13 | Jun-12 | 4.5 | 2          | 0.71                    | 37 | Jun-23 | 4.5 | 2.5        | 1.41                    |
| 14 | Dec-12 | 4.5 | 2          | 0.71                    | 38 | Nov-23 | 4.5 | 2.5        | 1.41                    |
| 15 | Jun-13 | 4.5 | 2          | 0.71                    | 39 | Jun-24 | 4.5 | 2.5        | 1.41                    |
| 16 | Nov-13 | 4.5 | 2          | 0.71                    | 40 | Nov-24 | 4.5 | 2.5        | 1.41                    |
| 17 | Jun-14 | 4.5 | 9          | 10.61                   | 41 | Jun-25 | 4.5 | 2.5        | 1.41                    |
| 18 | Jul-14 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 19 | Nov-14 | 4.5 | 2          | 0.71                    |    |        |     |            |                         |
| 20 | Jun-15 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 21 | Nov-15 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 22 | Jun-16 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 23 | Nov-16 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 24 | Jun-17 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 25 | Nov-17 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 26 | Jun-18 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 27 | Nov-18 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 28 | May-19 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 29 | Nov-19 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 30 | Jun-20 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 31 | Nov-20 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |
| 32 | Jun-21 | 4.5 | 2.5        | 1.41                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

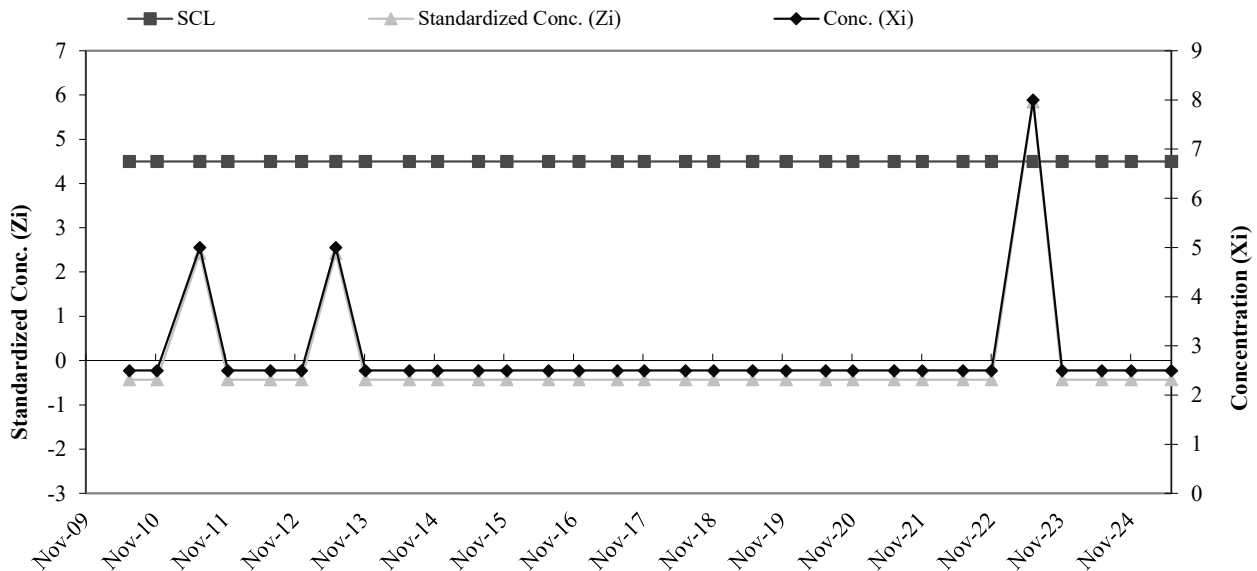


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-28 Ni**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-06 | 2.5   | <b>2.88</b> | <b>0.88</b> |
| 2             | Dec-06 | 2.5   |             |             |
| 3             | Jun-07 | 3     |             |             |
| 4             | Nov-07 | 5     |             |             |
| 5             | Jun-08 | 2.5   |             |             |
| 6             | Nov-08 | 2.5   |             |             |
| 7             | Jun-09 | 2.5   |             |             |
| 8             | Nov-09 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Jun-10 | 4.5 | 2.5        | -0.43                   | 32 | Jun-22 | 4.5 | 2.5        | -0.43                   |
| 10 | Nov-10 | 4.5 | 2.5        | -0.43                   | 33 | Nov-22 | 4.5 | 2.5        | -0.43                   |
| 9  | Jun-11 | 4.5 | 5          | 2.43                    | 34 | Jun-23 | 4.5 | 8          | 5.85                    |
| 10 | Nov-11 | 4.5 | 2.5        | -0.43                   | 35 | Nov-23 | 4.5 | 2.5        | -0.43                   |
| 11 | Jun-12 | 4.5 | 2.5        | -0.43                   | 36 | Jun-24 | 4.5 | 2.5        | -0.43                   |
| 12 | Dec-12 | 4.5 | 2.5        | -0.43                   | 37 | Nov-24 | 4.5 | 2.5        | -0.43                   |
| 13 | Jun-13 | 4.5 | 5          | 2.43                    | 38 | Jun-25 | 4.5 | 2.5        | -0.43                   |
| 14 | Nov-13 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 15 | Jun-14 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 16 | Nov-14 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 17 | Jun-15 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 18 | Nov-15 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 19 | Jun-16 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 20 | Nov-16 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 21 | Jun-17 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 22 | Nov-17 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 23 | Jun-18 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 24 | Nov-18 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 25 | May-19 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 26 | Nov-19 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 27 | Jun-20 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 28 | Nov-20 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 29 | Jun-21 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |
| 30 | Nov-21 | 4.5 | 2.5        | -0.43                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

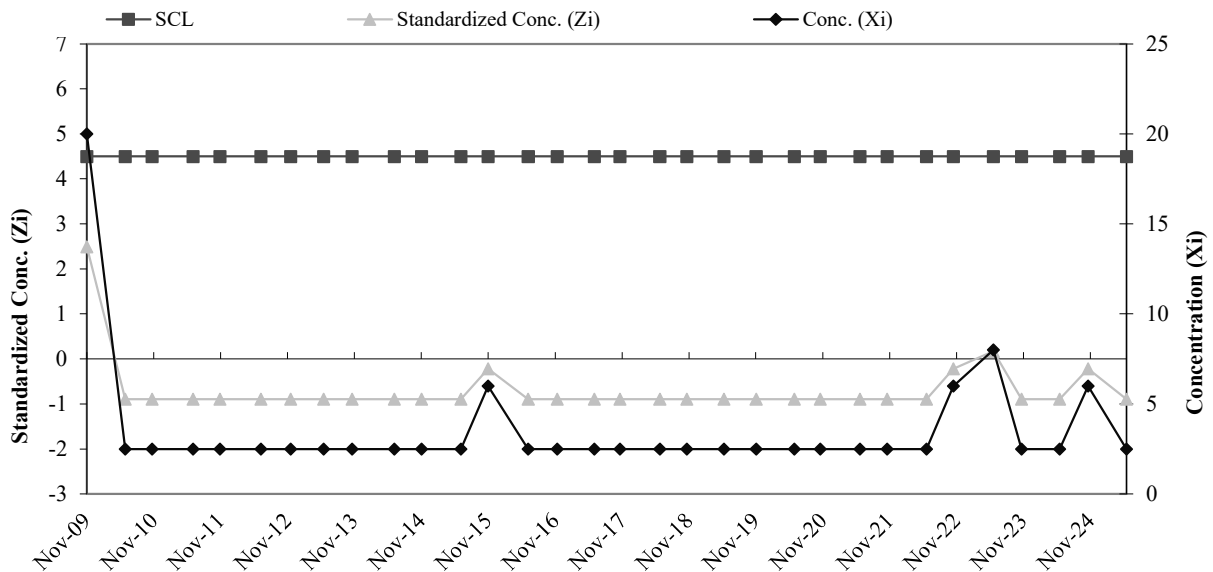


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-28 Zn**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Nov-05 | 7     | <b>7.13</b> | <b>5.16</b> |
| 2             | Jun-06 | 18    |             |             |
| 3             | Dec-06 | 5     |             |             |
| 4             | Jun-07 | 6     |             |             |
| 5             | Nov-07 | 11    |             |             |
| 6             | Jun-08 | 5     |             |             |
| 7             | Nov-08 | 2.5   |             |             |
| 8             | Jun-09 | 2.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-09 | 4.5 | 20         | 2.50                    | 34 | Jun-22 | 4.5 | 2.5        | -0.90                   |
| 10 | Jun-10 | 4.5 | 2.5        | -0.90                   | 35 | Nov-22 | 4.5 | 6          | -0.22                   |
| 11 | Nov-10 | 4.5 | 2.5        | -0.90                   | 36 | Jun-23 | 4.5 | 8          | 0.17                    |
| 12 | Jun-11 | 4.5 | 2.5        | -0.90                   | 37 | Nov-23 | 4.5 | 2.5        | -0.90                   |
| 13 | Nov-11 | 4.5 | 2.5        | -0.90                   | 38 | Jun-24 | 4.5 | 2.5        | -0.90                   |
| 14 | Jun-12 | 4.5 | 2.5        | -0.90                   | 39 | Nov-24 | 4.5 | 6          | -0.22                   |
| 15 | Dec-12 | 4.5 | 2.5        | -0.90                   | 40 | Jun-25 | 4.5 | 2.5        | -0.90                   |
| 16 | Jun-13 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 17 | Nov-13 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 18 | Jun-14 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 19 | Nov-14 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 20 | Jun-15 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 21 | Nov-15 | 4.5 | 6          | -0.22                   |    |        |     |            |                         |
| 22 | Jun-16 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 23 | Nov-16 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 24 | Jun-17 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 25 | Nov-17 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 26 | Jun-18 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 27 | Nov-18 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 28 | May-19 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 29 | Nov-19 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 30 | Jun-20 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 31 | Nov-20 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 32 | Jun-21 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |
| 33 | Nov-21 | 4.5 | 2.5        | -0.90                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

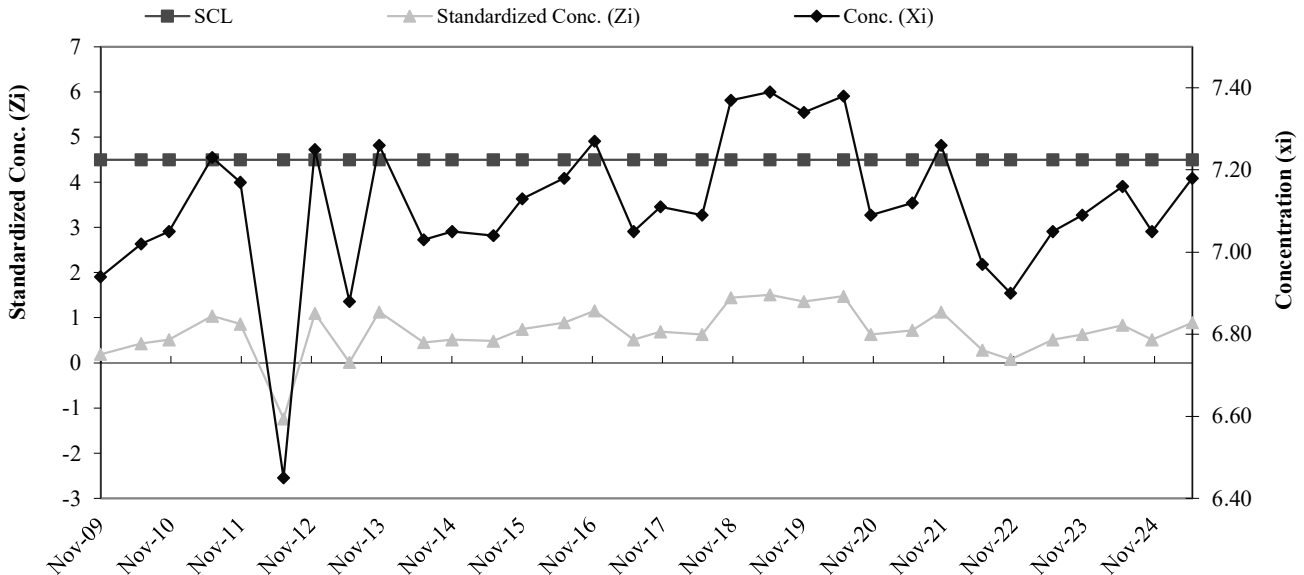


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-28 pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Nov-05 | 6.21  | <b>6.87</b> | <b>0.34</b> |
| 2             | Jun-06 | 7.12  |             |             |
| 3             | Dec-06 | 7.41  |             |             |
| 4             | Jun-07 | 6.84  |             |             |
| 5             | Nov-07 | 6.81  |             |             |
| 6             | Jun-08 | 6.87  |             |             |
| 7             | Nov-08 | 6.75  |             |             |
| 8             | Jun-09 | 6.98  |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-09 | 4.5 | 6.94       | 0.19                    | 33 | Nov-21 | 4.5 | 7.26       | 1.13                    |
| 10 | Jun-10 | 4.5 | 7.02       | 0.43                    | 34 | Jun-22 | 4.5 | 6.97       | 0.28                    |
| 11 | Nov-10 | 4.5 | 7.05       | 0.51                    | 35 | Nov-22 | 4.5 | 6.90       | 0.08                    |
| 12 | Jun-11 | 4.5 | 7.23       | 1.04                    | 36 | Jun-23 | 4.5 | 7.05       | 0.51                    |
| 13 | Nov-11 | 4.5 | 7.17       | 0.87                    | 37 | Nov-23 | 4.5 | 7.09       | 0.63                    |
| 14 | Jun-12 | 4.5 | 6.45       | -1.24                   | 38 | Jun-24 | 4.5 | 7.16       | 0.84                    |
| 15 | Dec-12 | 4.5 | 7.25       | 1.10                    | 39 | Nov-24 | 4.5 | 7.05       | 0.51                    |
| 16 | Jun-13 | 4.5 | 6.88       | 0.02                    | 40 | Jun-25 | 4.5 | 7.18       | 0.89                    |
| 17 | Nov-13 | 4.5 | 7.26       | 1.13                    |    |        |     |            |                         |
| 18 | Jun-14 | 4.5 | 7.03       | 0.46                    |    |        |     |            |                         |
| 19 | Nov-14 | 4.5 | 7.05       | 0.51                    |    |        |     |            |                         |
| 20 | Jun-15 | 4.5 | 7.04       | 0.49                    |    |        |     |            |                         |
| 21 | Nov-15 | 4.5 | 7.13       | 0.75                    |    |        |     |            |                         |
| 22 | Jun-16 | 4.5 | 7.18       | 0.89                    |    |        |     |            |                         |
| 23 | Nov-16 | 4.5 | 7.27       | 1.16                    |    |        |     |            |                         |
| 24 | Jun-17 | 4.5 | 7.05       | 0.51                    |    |        |     |            |                         |
| 25 | Nov-17 | 4.5 | 7.11       | 0.69                    |    |        |     |            |                         |
| 26 | Jun-18 | 4.5 | 7.09       | 0.63                    |    |        |     |            |                         |
| 27 | Nov-18 | 4.5 | 7.37       | 1.45                    |    |        |     |            |                         |
| 28 | May-19 | 4.5 | 7.39       | 1.51                    |    |        |     |            |                         |
| 29 | Nov-19 | 4.5 | 7.34       | 1.36                    |    |        |     |            |                         |
| 30 | Jun-20 | 4.5 | 7.38       | 1.48                    |    |        |     |            |                         |
| 31 | Nov-20 | 4.5 | 7.09       | 0.63                    |    |        |     |            |                         |
| 32 | Jun-21 | 4.5 | 7.12       | 0.72                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean



**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA GROUND WATER DETECTION MONITORING SYSTEM**  
**SHEWART CONTROL CHART**  
**B-28 SpC**

| Baseline Data |        |       |               |              |
|---------------|--------|-------|---------------|--------------|
| Ti            | Date   | Conc. | Mean          | Std. Dev     |
| 1             | Nov-05 | 994   | <b>845.13</b> | <b>61.71</b> |
| 2             | Jun-06 | 828   |               |              |
| 3             | Dec-06 | 812   |               |              |
| 4             | Jun-07 | 845   |               |              |
| 5             | Nov-07 | 816   |               |              |
| 6             | Jun-08 | 840   |               |              |
| 7             | Nov-08 | 804   |               |              |
| 8             | Jun-09 | 822   |               |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-09 | 4.5 | 814        | -0.50                   | 33 | Nov-21 | 4.5 | 674        | -2.77                   |
| 10 | Jun-10 | 4.5 | 841        | -0.07                   | 34 | Jun-22 | 4.5 | 936        | 1.47                    |
| 11 | Nov-10 | 4.5 | 813        | -0.52                   | 35 | Nov-22 | 4.5 | 936        | 1.47                    |
| 12 | Jun-11 | 4.5 | 837        | -0.13                   | 36 | Jun-23 | 4.5 | 949        | 1.68                    |
| 13 | Nov-11 | 4.5 | 823        | -0.36                   | 37 | Nov-23 | 4.5 | 946        | 1.63                    |
| 14 | Jun-12 | 4.5 | 849        | 0.06                    | 38 | Jun-24 | 4.5 | 938        | 1.51                    |
| 15 | Dec-12 | 4.5 | 823        | -0.36                   | 39 | Nov-24 | 4.5 | 942        | 1.57                    |
| 16 | Jun-13 | 4.5 | 834        | -0.18                   | 40 | Jun-25 | 4.5 | 879        | 0.55                    |
| 17 | Nov-13 | 4.5 | 842        | -0.05                   |    |        |     |            |                         |
| 18 | Jun-14 | 4.5 | 852        | 0.11                    |    |        |     |            |                         |
| 19 | Nov-14 | 4.5 | 844        | -0.02                   |    |        |     |            |                         |
| 20 | Jun-15 | 4.5 | 860        | 0.24                    |    |        |     |            |                         |
| 21 | Nov-15 | 4.5 | 849        | 0.06                    |    |        |     |            |                         |
| 22 | Jun-16 | 4.5 | 866        | 0.34                    |    |        |     |            |                         |
| 23 | Nov-16 | 4.5 | 853        | 0.13                    |    |        |     |            |                         |
| 24 | Jun-17 | 4.5 | 863        | 0.29                    |    |        |     |            |                         |
| 25 | Nov-17 | 4.5 | 859        | 0.22                    |    |        |     |            |                         |
| 26 | Jun-18 | 4.5 | 839        | -0.10                   |    |        |     |            |                         |
| 27 | Nov-18 | 4.5 | 880        | 0.57                    |    |        |     |            |                         |
| 28 | May-19 | 4.5 | 803        | -0.68                   |    |        |     |            |                         |
| 29 | Nov-19 | 4.5 | 833        | -0.20                   |    |        |     |            |                         |
| 30 | Jun-20 | 4.5 | 862        | 0.27                    |    |        |     |            |                         |
| 31 | Nov-20 | 4.5 | 904        | 0.95                    |    |        |     |            |                         |
| 32 | Jun-21 | 4.5 | 936        | 1.47                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

