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COLDWATER ROAD LANDFILL - MID 005 356 860 LANDFILL LEAK DETECTION SYSTEM



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COLDWATER ROAD LANDFILL - MID 005 356 860 LANDFILL LEAK DETECTION SYSTEM

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1. INTRODUCTION

On behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), Ramboll Americas Engineering Solutions, Inc. (Ramboll), presents the results of the 2025 semiannual leak detection system (LDS) sampling event conducted in June 2025 for the Coldwater Road Landfill site (**Figure 1**). A total of 8,204 gallons of liquid have been removed from the leak detection vaults through June 30, 2025, and a total of 5,470 gallons of leachate have been removed from the leachate collection sumps through June 30, 2025. Volumes are reported in the Quarterly Status Reports and summarized in **Appendix A**.

2. SAMPLING AND ANALYSIS

During this event samples were collected on June 3, 2025 from the six leak detection vaults (A through F) for laboratory analysis and the six leachate collection sumps (A through F) for laboratory analysis.

The samples were analyzed for total organic carbon (TOC, Method 5310C), total suspended solids (TSS, Method 2540D), specific conductivity (Method 120.1), in addition to dissolved chromium (Cr), dissolved copper (Cu), dissolved nickel (Ni), and dissolved zinc (Zn), all of which were analyzed using Method 200.8. Samples collected from Sumps A through F were also analyzed for volatile organic compounds (VOCs, Method 8260). The event also included field measurements for pH, specific conductivity, and temperature.

The analytical results are summarized in three attached tables: Landfill Leak Detection Vaults – Historical Analytical Results, Inorganics and Metals (**Table 1**) Landfill Leachate Sumps – Historical Analytical Results, Inorganics and Metals (**Table 2**), Landfill Leachate Sumps – Analytical Results, Volatile Organic Compounds (**Table 3**). A Site Location Map (**Figure 1**) and Landfill Site Layout (**Figure 2**) are also attached. The Analytical Laboratory Report and the Chain of Custody are included as (**Appendix B**).

The samples for the leak detection vaults were collected on June 3, 2025, using a peristaltic pump and tubing for each vault. Duplicate samples were collected from Vault C and Sump C. Samples were placed directly into laboratory prepared containers, logged onto a chain of custody form, and placed on ice for transport to Merit Laboratories, Inc., in East Lansing, Michigan.

The laboratory analysis for TOC, TSS, dissolved metals, and the field parameters continue to show historical consistent concentrations for the sumps and vaults (**Table 4**). A review of the analytical data presented in the attached tables indicate analytical results similar to previous sampling events. A summary of the data is provided below:

Leak Detection Vaults:

- Chromium concentrations were not detected above the reporting limit of 5 µg/l. The results were within the range of the historic results, which ranged from below the reporting limit to 30 µg/l at Vault A (6/20/2011).
- Copper concentrations were not detected above the reporting limit of 5 µg/l. The results were within the range of the historic results, which ranged from below the reporting limit to 140 µg/l at Vault C (6/20/2000).
- Nickel concentrations ranged from below the reporting limit of 5 µg/l in Vault B, Vault E and Vault F to 12 µg/l in Vault A and Vault D. The results were within the range of the historic results, which ranged from below the reporting limit to 125 µg/l at Vault D (11/15/1997).
- Zinc concentrations were below the reporting limit of 5 µg/l in Vault A, Vault B, Vault C, Vault E, and Vault F, and 8 µg/l in Vault D. The results were within the range of the historic results, which ranged from below the reporting limit to 230 µg/l at Vault C (5/29/2019).

- TOC concentrations ranged from 1.6 mg/l in Vault E to 4.1 mg/l in Vault C and Vault-DUP-20250603 (Vault C). The results were similar to or less than historic results, which ranged from 1.2 mg/l at Vault B (6/4/2024) to 140 mg/l at Vault A (3/27/1996).
- TSS concentrations were not detected above the reporting limit of 3 mg/l. The results were within the range of the historic results, which ranged from below the reporting limit to 7,100 mg/l at Vault F (11/11/1996).
- pH ranged from 6.86 in Vault E to 7.11 in Vault F. The results were within the range of the historic results, which ranged from 5.47 at Vault F (6/15/2005) to 10.01 at Vault A (1/17/2006).
- Specific conductivity ranged from 981 $\mu\text{s}/\text{cm}$ in Vault B to 1,706 $\mu\text{s}/\text{cm}$ in Vault-Dup-20250603 (Vault C). The results were within the range of the historic results, which ranged from 340 $\mu\text{s}/\text{cm}$ at Vault C (8/30/1995) to 3,250 $\mu\text{s}/\text{cm}$ at Vault A (5/6/1999).

Leachate Sumps:

- Chromium concentrations ranged from 11 $\mu\text{g}/\text{l}$ in Sump F to 763 $\mu\text{g}/\text{l}$ in Sump B. The results were similar to historic results, which ranged from below the reporting limit to 1,490 $\mu\text{g}/\text{l}$ at Sump B (6/6/2013).
- Copper concentrations ranged from 49 $\mu\text{g}/\text{l}$ in Sump E to 1,070 $\mu\text{g}/\text{l}$ in Sump C. The results were similar to historic results, which ranged from below the reporting limit in Sump E (5/7/1997) and Sump F (12/12/2003) to 18,000 at Sump C (3/23/1995).
- Nickel concentrations ranged from 19 $\mu\text{g}/\text{l}$ in Sump E to 416 $\mu\text{g}/\text{l}$ in Sump D. The results were similar to historic results, which ranged from below the reporting limit in Sump E (6/14/2010) and Sump F (6/14/2010) to 2,500 $\mu\text{g}/\text{l}$ at Sump C (11/11/1996).
- Zinc concentrations ranged from not detected above the reporting limit of 5 $\mu\text{g}/\text{l}$ in Sump A and Sump E to 19 $\mu\text{g}/\text{l}$ in Sump F. The results were similar or less than historic results, which ranged from below the reporting limit to 160 $\mu\text{g}/\text{l}$ at Sump F (5/31/2002).
- TOC concentrations ranged from 20.2 mg/l in Sump E to 105 mg/l in Sump D. The results were similar to historic results, which ranged from 2.9 mg/l at Sump F (11/10/2000) to 800 mg/L at Sump B (3/23/1995).
- TSS concentrations were not detected above the reporting limit of 3 $\mu\text{g}/\text{l}$. The results were similar or less than historic results, which ranged from below the reporting limit to 69,000 mg/l at Sump D (8/30/1995).
- pH ranged from 7.99 in Sump B to 11.26 in Sump D. The results were within the range of the historic results, which ranged from 5.60 in Sump E (11/6/1998) to 12.30 Sump D (3/23/1995).

- Specific conductivity ranged from 1,212 $\mu\text{s}/\text{cm}$ in Sump A to 3,940 $\mu\text{s}/\text{cm}$ in Sump-DUP-20250603 (Sump C). The results were similar to historic results, which ranged from 682 $\mu\text{s}/\text{cm}$ at Sump F (4/26/1999) to 19,920 $\mu\text{s}/\text{cm}$ at Sump E (6/5/2015).
- Sump D was the only sump in which volatile organic compounds (VOCs) were detected. Acetone was present in Sump D at a concentration of 1,010 $\mu\text{g}/\text{l}$. VOCs, including acetone at elevated concentrations, have been observed in Sump D during prior sampling events.
- Trip Blank-20250603 had a detection of chloroform at 2 $\mu\text{g}/\text{l}$.

3. SUMMARY

Duplicate samples were collected during this sampling event from Vault C and Sump C and exhibited values consistent with the original results (within acceptable relative percent differences [RPD]).

There were no exceedances of the Shewart control limits (SCL) during this sampling event. No trends or spikes (calculated using mean plus one standard deviation of all the sampling events, per the Post Closure Care Plan, March 2024) were observed during this monitoring event. The Shewart control charts are included as **Appendix C**.

The next semiannual sampling event will be completed in 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



Clifford S. Yantz

Project Manager – Ramboll Americas Engineering Solutions, Inc.

Agent for RACER Trust

Date: August 29, 2025

cc: file

TABLES



TABLE 1
RACER Trust - Coldwater Road
Landfill Leak Detection Vaults - Historical Analytical Results
Inorganics and Metals

| Vault | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|-----------|-----------------|--|--------------|-------------|-------------|-------------|-------------------------|--------------|-----------|--------------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| | | EGLE Residential Drinking Water Criteria & RBSLs | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 |
| Vault A | 23-Mar-95 | 4.6 | <1 | 7.50 | 690 | -- | <20 | <20 | <40 | 180 |
| | 20-Jun-95 | 8.9 | 2.0 | 6.80 | 1900 | -- | 24 | 21 | <30 | <20 |
| | 30-Aug-95 | 8.2 | 2.0 | 6.90 | 2000 | -- | <20 | <20 | <40 | <20 |
| | 28-Nov-95 | 9.1 | <1 | 7.00 | 1900 | -- | 23 | 31 | 43 | 24 |
| | 27-Mar-96 | 140.0 | <10 | 7.20 | 2000 | -- | <20 | <20 | 46 | <20 |
| | 18-Jun-96 | 12.0 | <10 | 6.90 | 2000 | -- | <20 | <20 | <20 | <20 |
| | 20-Aug-96 | 32.0 | <5 | 7.10 | 1900 | -- | <20 | <20 | <20 | 30 |
| | 11-Nov-96 | 18.0 | 5.0 | 7.10 | 2000 | -- | <20 | <20 | 30 | 60 |
| | 19-Feb-97 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 9-May-97 | 13.0 | 17.0 | 6.67 | 1940 | 9.7 | <10 | <10 | 71 | 90 |
| | 12-Aug-97 | 6.0 | 4.0 | 5.98 | 1810 | 12.8 | <10 | <10 | 88 | 60 |
| | 15-Nov-97 | 8.0 | 12.0 | 6.50 | 2000 | 12.0 | <10 | 10 | 125 | 100 |
| | 9-Feb-98 | 6.0 | 8.0 | 6.40 | 1960 | 11.5 | <10 | <10 | 73 | 60 |
| | 14-May-98 | 12.0 | 15.0 | 6.90 | 1760 | 17.4 | <10 | 20 | 13 | 200 |
| | 14-Aug-98 | 5.0 | 6.0 | 6.70 | -- | -- | <10 | <10 | 15 | 160 |
| | 13-Nov-98 | 5.0 | 12.0 | 6.50 | 1990 | 16.5 | <10 | <10 | 20 | 220 |
| | 19-Mar-99 | 5.7 | 8.0 | 6.80 | 1334 | 13.6 | <10 | 10 | 14 | 60 |
| | 6-May-99 | 5.6 | 16.0 | 6.85 | 3250 | 26.2 | <10 | <10 | 15 | 20 |
| | 23-Jul-99 | 5.7 | 3.0 | 6.30 | 1470 | 18.9 | <5 | 9 | 13 | 19 |
| | 22-Oct-99 | 5.0 | 3.0 | 5.86 | 1750 | 12.1 | <10 | <10 | 16 | 30 |
| | 14-Mar-00 | 5.6 | <1 | 7.60 | 1410 | 10.7 | <10 | <10 | 15 | 20 |
| | 20-Jun-00 | 7.0 | 3.0 | 6.90 | 1410 | 18.3 | <10 | <10 | 12 | 20 |
| | 13-Sep-00 | 5.9 | 5.0 | 7.50 | 1650 | 15.1 | <5 | <10 | 14 | 20 |
| | 10-Nov-00 | 6.4 | 2.0 | 7.20 | 1470 | 11.8 | <10 | 100 | 10 | 150 |
| | 12-Mar-01 | 6.0 | 1.0 | 7.43 | 1530 | 12.8 | <10 | <10 | 7 | 10 |
| | 24-May-01 | 9.4 | 10.0 | 7.56 | 1380 | 11.9 | <10 | <10 | 10 | 20 |
| | 31-Aug-01 | 5.3 | 10.6 | 7.49 | 1450 | 12.5 | <5 | <10 | 14 | 9 |
| | 16-Nov-01 | 5.1 | 3.0 | 6.77 | 1300 | 12.4 | <10 | <10 | 15 | 50 |
| | 8-Mar-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 31-May-02 | 2.4 | 54.0 | 7.23 | 1470 | 13.8 | <10 | <10 | <5 | 40 |
| | 5-Sep-02 | 4.7 | 6.0 | 6.60 | -- | -- | <5 | <5 | 14 | 140 |
| | 12-Dec-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 18-Mar-03 | 6.7 | 8.0 | 6.81 | 1290 | 12 | <5 | <5 | 9 | 99 |
| | 4-Jun-03 | 2.0 | 11.0 | 6.78 | 1370 | 11.3 | <5 | <5 | 10 | <5 |
| | 5-Oct-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 8-Dec-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 27-Feb-04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 30-Jun-04 | 4.5 | 55.0 | 6.99 | 1318 | 12.5 | <5 | <5 | 8 | <5 |
| | 19-Nov-04 | 3.4 | 2.0 | 6.85 | 1120 | 11.4 | 6 | <5 | 15 | 14 |
| | 19-Nov-04 | 4.4 | 4.0 | -- | -- | -- | 6 | <5 | 18 | 16 |
| 15-Jun-05 | 6.0 | 8.0 | 6.00 | 1640 | 13.4 | <5 | <5 | 13 | 21 | |
| 17-Jan-06 | 5.9 | 12785 | 10.01 | 1630 | 8.4 | <5 | <5 | 13 | 8 | |
| 14-Feb-06 | -- | -- | 7.88 | 1800 | 8.5 | -- | -- | 14 | -- | |
| 29-Jun-06 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| 28-Nov-06 | 4.7 | 438 | 7.73 | 1940 | 13.2 | <5 | <4 | 13 | 6 | |
| 6-Jun-07 | 4.9 | 11 | 6.76 | 1990 | 11.7 | 13 | 4 | 20 | 8 | |
| 12-Nov-07 | 5.9 | 70 | 6.76 | 2030 | 12.4 | 4 | 5 | 21 | 11 | |
| 24-Jun-08 | 5.0 | 371 | 6.89 | 2060 | 13.3 | <5 | <1 | 25 | 5 | |
| 17-Nov-08 | 5.8 | 23 | 6.06 | 2060 | 9.2 | <5 | <1 | 22 | <5 | |
| 23-Jun-09 | 5.5 | 88 | 7.01 | 2050 | 13.6 | <5 | 11 | 27 | 36 | |
| 17-Nov-09 | 6 | 8 | 7.07 | 2090 | 10.3 | <5 | <4 | 22 | 7 | |
| 14-Jun-10 | 6 | 10 | 7.05 | 2070 | 13.1 | 8 | <4 | 16 | 6 | |
| 20-Jun-11 | 6.7 | 9 | 7.33 | 2010 | 12.2 | 30 | <4 | 27 | 39 | |
| 14-Jul-11 | -- | -- | -- | -- | -- | <5 | -- | -- | -- | |
| 14-Nov-11 | 7.0 | 316 | 6.93 | 2080 | 11.5 | <5 | <4 | 20 | <5 | |
| 25-Jun-12 | 6.0 | 6 | 5.75 | 1870 | 11.9 | <5 | 4 | 25 | <5 | |
| 25-Jun-12 | 6.0 | 6 | 5.75 | 1872 | 11.9 | <5 | 6 | 25 | 10 | |
| 5-Dec-12 | 5.8 | 2 | 6.76 | 1820 | 10.6 | <5 | <4 | 24 | 10 | |
| 5-Dec-12 | 5.8 | 3 | 6.76 | 1814 | 10.6 | <5 | <4 | 24 | 8 | |
| 6-Jun-13 | 6.1 | 4 | 6.71 | 1882 | 11.0 | <5 | <4 | 22 | <5 | |
| 4-Nov-13 | 5.0 | <1 | 6.71 | 1630 | 11.2 | <5 | <4 | 18 | <5 | |
| 23-Jun-14 | 5.0 | 3 | 6.82 | 1579 | 13.2 | <5 | <4 | 18 | <5 | |
| 18-Nov-14 | 4.1 | 2 | 6.27 | 1525 | 6.6 | <5 | <4 | 25 | 20 | |
| 25-Jun-15 | 4.5 | 2 | 6.64 | 1507 | 11.2 | <5 | 6 | 21 | 10 | |
| 17-Nov-15 | 3.6 | 1 | 6.64 | 1423 | 11.7 | <5 | <5 | 20 | 5 | |
| 21-Jun-16 | 3.8 | <3 | 6.93 | 1364 | 12.0 | <5 | <5 | 14 | <5 | |
| 21-Jun-16 | 3.9 | <3 | 6.93 | 1362 | 12.0 | <5 | <5 | 13 | <5 | |
| 28-Nov-16 | 3.3 | <3 | 6.82 | 1378 | 11.4 | <5 | <5 | 15 | <5 | |
| 19-Jun-17 | 4.2 | <3 | 6.90 | 1450 | 11.4 | <5 | <5 | 15 | <5 | |
| 6-Nov-17 | 3.6 | <3 | 6.16 | 1363 | 11.8 | <5 | <5 | 17 | <5 | |
| 11-Jun-18 | 4.3 | <3 | 6.45 | 1447 | 11.0 | <5 | <5 | 15 | 10 | |
| 7-Nov-18 | 4.1 | <3 | 6.50 | 1451 | 6.0 | <5 | <5 | 16 | 6 | |
| 29-May-19 | 8.4 | <3 | 7.13 | 1436 | 9.1 | <5 | <5 | 15 | <5 | |
| 19-Nov-19 | 5.8 | <3 | 6.89 | 1291 | 10.6 | <5 | <5 | 15 | <5 | |
| 15-Jun-20 | 7.9 | <3 | 6.84 | 1378 | 17.2 | <5 | <5 | 11 | <5 | |
| 4-Nov-20 | 6.7 | <3 | 6.69 | 1010 | 14.4 | <5 | <5 | 12 | <5 | |
| 16-Jun-21 | 6.6 | <3 | 6.89 | 1247 | 12.9 | <5 | <5 | 5 | <5 | |
| 4-Nov-21 | 6.6 | <3 | 6.94 | 1187 | 13.9 | <5 | <5 | 11 | 5 | |
| 6-Jun-22 | 8.1 | <3 | 7.21 | 1280 | 13.1 | <5 | <5 | 29 | 27 | |
| 1-Nov-22 | 8.1 | <3 | 6.55 | 1219 | 11.6 | <5 | 5 | 10 | 10 | |
| 6-Jun-23 | 1.8 | <3 | 6.82 | 1310 | 13.0 | <5 | <5 | 11 | <5 | |
| 7-Nov-23 | 1.8 | <4 | 7.45 | 1450 | 11.4 | <5 | <5 | 18 | 6 | |
| 4-Jun-24 | 3.0 | <3 | 6.86 | 1389 | 15.6 | <5 | <5 | 13 | 5 | |
| 5-Nov-24 | 4.8 | <3 | 6.68 | 1870 | 14.0 | <5 | <5 | 18 | <5 | |
| 5-Nov-24 | 4.8 | <3 | 6.68 | 1869 | 14.0 | <5 | <5 | 18 | 6 | |
| Duplicate | 3-Jun-25 | 3.1 | <3 | 6.87 | 1331 | 12.3 | <5 | <5 | 12 | <5 |

See notes on page 6.



TABLE 1
RACER Trust - Coldwater Road
Landfill Leak Detection Vaults - Historical Analytical Results
Inorganics and Metals

| Vault | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | | |
|-----------|---------------------|---|--------------|-------------|------------|-------------|-------------------------|------------------|----------------|--------------|----|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn | |
| | | <i>EGLE Residential Drinking Water Criteria & RBSLs</i> | | | | | <i>100 (A)</i> | <i>1,000 (E)</i> | <i>100 (A)</i> | <i>2,400</i> | |
| Vault B | 23-Mar-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 20-Jun-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 30-Aug-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 28-Nov-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 27-Mar-96 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 18-Jun-96 | 11.0 | <10 | 6.90 | 1900 | -- | <20 | <20 | <20 | <20 | |
| | 20-Aug-96 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 11-Nov-96 | 17.0 | 66.0 | 7.00 | 1600 | -- | <20 | <20 | 20 | 40 | |
| | 19-Feb-97 | 7.0 | 4 | 7.10 | 1590 | 8.9 | <10 | <10 | 43 | 20 | |
| | 7-May-97 | 7.0 | 4 | 6.50 | 1930 | 13.8 | <10 | <10 | 45 | 20 | |
| | 12-Aug-97 | 5.0 | 3.0 | 6.45 | 663 | 26.0 | <10 | <10 | 26 | 60 | |
| | 15-Nov-97 | 6.0 | 4.0 | 6.80 | 1400 | 11.0 | <10 | <10 | 96 | 50 | |
| | 9-Feb-98 | 7.0 | 8.0 | 6.60 | 1560 | 12.6 | <10 | <10 | 57 | 20 | |
| | 14-May-98 | 6.0 | 3.0 | 6.90 | 1490 | 11.2 | <10 | <10 | 14 | 30 | |
| | 14-Aug-98 | 4.0 | 7.0 | 6.60 | -- | -- | <10 | <10 | 10 | 14 | |
| | 13-Nov-98 | 6.0 | 18.0 | 6.30 | 1940 | 20.6 | <10 | 10 | 17 | 80 | |
| | 19-Mar-99 | 4.2 | 6.0 | 6.50 | 817 | 14.2 | <10 | <10 | 5 | <10 | |
| | 6-May-99 | 5.6 | 4.0 | 7.00 | 1330 | 26.2 | <10 | 10 | 6 | 20 | |
| | 23-Jul-99 | 5.8 | 3.0 | 6.50 | 1070 | 16.2 | <5 | 13 | 10 | 18 | |
| | 22-Oct-99 | 5.0 | 5.0 | 6.23 | 1440 | 11.0 | <10 | <10 | 16 | 20 | |
| | 14-Mar-00 | 6.6 | <1 | 8.00 | 900 | 11.0 | <10 | <10 | 8 | 20 | |
| | 20-Jun-00 | 7.1 | 7.0 | 6.80 | 1120 | 17.3 | <10 | 30 | 9 | 30 | |
| | 13-Sep-00 | 5.4 | <1 | 7.40 | 1560 | 15.6 | <5 | 10 | 8 | 20 | |
| | 10-Nov-00 | 6.8 | 1.0 | 7.10 | 1280 | 11.6 | <5 | 40 | 14 | 90 | |
| | 12-Mar-01 | 5.2 | 5.0 | 7.36 | 1460 | 12.3 | <10 | <10 | 7 | 20 | |
| | 24-May-01 | 8.5 | 10.0 | 7.58 | 1280 | 13.0 | <10 | 20 | 12 | 40 | |
| | 31-Aug-01 | 3.9 | <1.3 | 7.78 | 1370 | 12.9 | <5 | <10 | 11 | 20 | |
| | 16-Nov-01 | 5.7 | 2.0 | 7.12 | 1230 | 13.1 | <10 | 10 | 8 | 60 | |
| | 8-Mar-02 | 5.4 | 2.0 | 6.99 | 2400 | 8.5 | <10 | 10 | <5 | 70 | |
| | 31-May-02 | 5.1 | 3.0 | 7.23 | 1070 | 14.2 | <10 | <10 | <5 | 20 | |
| | 5-Sep-02 | 4.8 | 4.0 | 6.70 | -- | -- | <5 | <5 | 8 | 84 | |
| | 12-Dec-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 18-Mar-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 4-Jun-03 | 5.5 | 3.0 | 6.98 | 1530 | 10.1 | <5 | <5 | 7 | <5 | |
| | 5-Oct-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 8-Dec-03 | 4.7 | 2.0 | 7.12 | 1490 | 11.5 | <5 | 6 | 5 | 35 | |
| | 8-Dec-03 | 4.7 | 7.0 | -- | -- | -- | <5 | 6 | 5 | 35 | |
| | 27-Feb-04 | 4.0 | 12.0 | 7.42 | 1380 | 12.3 | <5 | 5 | <5 | 16 | |
| | 30-Jun-04 | 4.1 | 396.0 | 6.98 | 1210 | 11.8 | <5 | 12 | 7 | <5 | |
| | 19-Nov-04 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 15-Jun-05 | 6.0 | 6.0 | 6.07 | 1560 | 12.8 | <5 | <5 | 14 | 20 | |
| | 1-Dec-05 | 4.7 | <1 | 6.87 | 1310 | 9.1 | <5 | <5 | 8 | 50 | |
| | 14-Feb-06 | -- | -- | 7.70 | 1520 | 6.1 | -- | <4 | -- | -- | |
| | Re-sample Duplicate | 29-Jun-06 | 2.6 | 1.0 | 7.04 | 1050 | 13.9 | <5 | <4 | 5 | 8 |
| | | 28-Nov-06 | 5.5 | 4.0 | 7.46 | 1380 | 13.0 | <5 | <4 | 8 | 11 |
| | Duplicate | 28-Nov-06 | 4.7 | -- | 7.17 | 1340 | 13.0 | 5 | 4 | 7 | 11 |
| | | 6-Jun-07 | 4.7 | 2.0 | 6.34 | 1670 | 12.1 | 9 | 6 | 13 | 16 |
| | | 12-Nov-07 | 3.8 | 1.0 | 6.93 | 1690 | 12.6 | 2 | 5 | 16 | 14 |
| | | 24-Jun-08 | 3.2 | 6.0 | 6.95 | 1880 | 14.0 | <5 | 2 | 8 | 9 |
| | Duplicate | 17-Nov-08 | 2.4 | <1 | 6.89 | 1818 | 9.6 | <5 | 2 | 8 | 15 |
| | 17-Nov-08 | 1.7 | 2.0 | 6.89 | 1820 | 9.6 | <5 | 1 | 8 | 15 | |
| | 23-Jun-09 | 3.6 | 4.0 | 7.13 | 1780 | 13.3 | <5 | 1 | 6 | 17 | |
| | 17-Nov-09 | 3 | 0 | 6.99 | 1970 | 10.9 | <5 | <4 | 9 | 17 | |
| | 14-Jun-10 | 3 | 2 | 6.90 | 1810 | 12.1 | 8 | <4 | 5 | 20 | |
| | 8-Nov-10 | 4 | 3 | 6.93 | 1911 | 12.2 | 21 | <4 | 11 | 17 | |
| Re-sample | 1-Dec-10 | -- | -- | 6.93 | -- | 12.2 | 6 | -- | -- | -- | |
| | 20-Jun-11 | 3.4 | 1 | 7.03 | 1496 | 12.2 | 28 | <4 | 11 | 16 | |
| Re-sample | 14-Jul-11 | -- | -- | -- | -- | <5 | -- | -- | -- | -- | |
| | 14-Nov-11 | 3.0 | 1 | 6.93 | 1948 | 12.0 | <5 | <4 | 7 | 9 | |
| | 25-Jun-12 | 3.0 | 4 | 6.16 | 1781 | 12.5 | <5 | <4 | <5 | 8 | |
| | 5-Dec-12 | 3.2 | 5 | 6.85 | 1936 | 10.2 | <5 | 6 | 9 | 15 | |
| | 6-Jun-13 | 3.2 | <1 | 6.66 | 1455 | 10.8 | <5 | <4 | 6 | 7 | |
| | 4-Nov-13 | 3.0 | 1 | 6.74 | 1750 | 11.8 | <5 | <4 | 5 | 14 | |
| | 23-Jun-14 | 3.2 | 1 | 6.87 | 1369 | 12.3 | <5 | <4 | <5 | 7 | |
| | 18-Nov-14 | 2.7 | 3 | 7.05 | 1656 | 7.1 | <5 | <4 | 13 | 10 | |
| | 25-Jun-15 | 3.0 | <1 | 7.07 | 1513 | 13.4 | <5 | 5 | 11 | 12 | |
| | 17-Nov-15 | 2.6 | 3 | 6.76 | 1635 | 11.7 | <5 | <5 | 9 | 10 | |
| | 21-Jun-16 | 2.7 | <3 | 6.89 | 1176 | 13.7 | <5 | <5 | <5 | 6 | |
| | 28-Nov-16 | 2.2 | <3 | 6.78 | 1654 | 11.3 | <5 | <5 | <5 | 5 | |
| | 19-Jun-17 | 2.5 | <3 | 6.80 | 1110 | 11.6 | <5 | <5 | <5 | <5 | |
| | 6-Nov-17 | 2.6 | <3 | 6.28 | 1450 | 12.0 | <5 | <5 | <5 | 7 | |
| | 11-Jun-18 | 2.4 | <3 | 6.51 | 1064 | 11.4 | <5 | <5 | <5 | 5 | |
| | 7-Nov-18 | 2.9 | <3 | 6.60 | 1463 | 5.0 | <5 | <5 | <5 | 5 | |
| Duplicate | 7-Nov-18 | 2.5 | <3 | 6.60 | 1450 | 5.0 | <5 | <5 | 6 | <5 | |
| | 29-May-19 | 6.0 | <3 | 7.21 | 1058 | 9.8 | <5 | <5 | <5 | 7 | |
| | 19-Nov-19 | 4.8 | <3 | 7.00 | 1235 | 9.9 | <5 | <5 | <5 | 8 | |
| | 15-Jun-20 | 6.2 | <3 | 6.93 | 1165 | 15.6 | <5 | <5 | <5 | <5 | |
| Duplicate | 4-Nov-20 | 7.4 | <3 | 6.62 | 1053 | 12.5 | <5 | <5 | <5 | <5 | |
| | 4-Nov-20 | 5.4 | <3 | 6.62 | 1045 | 12.5 | <5 | <5 | <5 | <5 | |
| | 16-Jun-21 | 6.0 | <3 | 6.88 | 1046 | 15.4 | <5 | <5 | <5 | <5 | |
| | 4-Nov-21 | 6.7 | <3 | 6.86 | 1208 | 12.2 | <5 | <5 | <5 | 5 | |
| | 7-Jun-22 | 6.6 | <3 | 6.81 | 1170 | 10.9 | <5 | <5 | <5 | <5 | |
| | 1-Nov-22 | 6.3 | 14 | 6.56 | 1283 | 11.9 | <5 | <5 | <5 | <5 | |
| | 6-Jun-23 | <1 | <3 | 6.82 | 1290 | 15.0 | <5 | <5 | <5 | 6 | |
| | 7-Nov-23 | 2.4 | <3 | 7.60 | 1340 | 11.8 | <5 | <5 | <5 | 5 | |
| | 4-Jun-24 | 1.2 | <3 | 6.84 | 997 | 12.8 | <5 | <5 | <5 | <5 | |
| | 5-Nov-24 | 1.7 | <3 | 6.59 | 1201 | 14.6 | <5 | <5 | <5 | 5 | |
| | 3-Jun-25 | 1.7 | <3 | 6.90 | 981 | 12.1 | <5 | <5 | <5 | <5 | |

See notes on page 6.



TABLE 1
RACER Trust - Coldwater Road
Landfill Leak Detection Vaults - Historical Analytical Results
Inorganics and Metals

| Vault | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|--|-----------------|----------------------|--------------|-------------|-------------|-------------|-------------------------|-----------|--------------|-------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| EGLE Residential Drinking Water Criteria & RBSLs | | | | | | | | | | |
| | | | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 |
| Vault C | 23-Mar-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 20-Jun-95 | 4.4 | <1 | 7.40 | 530 | -- | 25 | 25 | <30 | 60 |
| | 30-Aug-95 | 3.7 | <1 | 7.40 | 340 | -- | <20 | <20 | <40 | 74 |
| | 28-Nov-95 | 7.6 | <1 | 7.00 | 2200 | -- | 29 | 37 | 67 | 36 |
| | 27-Mar-96 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 18-Jun-96 | 7.7 | <10 | 6.90 | 2000 | -- | <20 | <20 | <20 | <20 |
| | 20-Aug-96 | 8.3 | <5 | 6.90 | 1900 | -- | <20 | <20 | <20 | 40 |
| | 11-Nov-96 | 16.0 | 9.0 | 7.00 | 2100 | -- | <20 | <20 | <20 | 80 |
| | 19-Feb-97 | 7.0 | 1.0 | 7.60 | 1610 | 9.0 | <10 | <10 | 45 | 30 |
| | 7-May-97 | 6.0 | 10.0 | 6.57 | 1730 | 12.5 | <10 | 100 | 66 | 20 |
| | 8-Aug-97 | 4.0 | 13.0 | 6.34 | 1610 | 24.1 | <10 | <10 | 79 | 20 |
| | 15-Nov-97 | 6.0 | 4.0 | 6.70 | 2000 | 12.0 | <10 | <10 | 122 | 50 |
| | 9-Feb-98 | 8.0 | 4.0 | 6.50 | 1720 | 12.2 | <10 | <10 | 64 | 50 |
| | 14-May-98 | 6.0 | 3.0 | 6.90 | 1600 | 12.1 | <10 | <10 | 23 | 40 |
| | 14-Aug-98 | 6.0 | 5.0 | 6.80 | -- | -- | <10 | <10 | 23 | 40 |
| | 13-Nov-98 | 6.0 | 12.0 | 6.30 | 1760 | 21.4 | <10 | <10 | 21 | 30 |
| | 13-Nov-98 | 6.0 | 10.0 | -- | -- | -- | <10 | <10 | 21 | 30 |
| | 19-Mar-99 | 6.3 | 2.0 | 7.00 | 1300 | 15.6 | <10 | <10 | 19 | 20 |
| | 6-May-99 | 6.1 | 8.0 | 6.90 | 1600 | 26.6 | <10 | 10 | 20 | 20 |
| | 23-Jul-99 | 6.5 | 0.0 | 6.70 | 1370 | 17.3 | <5 | 12 | 20 | 20 |
| | 22-Oct-99 | 6.4 | 5.0 | 6.57 | 1160 | 11.0 | <10 | <10 | 18 | 10 |
| | 14-Mar-00 | 6.5 | 1.0 | 7.80 | 1350 | 12.6 | <10 | <10 | 17 | 10 |
| | 20-Jun-00 | 6.0 | 4.0 | 6.90 | 1280 | 18.3 | <10 | 140 | 19 | 170 |
| | 13-Sep-00 | 6.1 | <1 | 7.60 | 1430 | 14.9 | <5 | <10 | 16 | 20 |
| | 10-Nov-00 | 10.6 | 4.0 | 6.80 | 1210 | 12.1 | <10 | <10 | 17 | 40 |
| | 12-Mar-01 | 6.3 | 4.0 | 7.69 | 1380 | 12.1 | <10 | <10 | 8 | <10 |
| | 24-May-01 | 9.2 | 8.0 | 7.54 | 1410 | 13.3 | <10 | <10 | 17 | 30 |
| | 31-Aug-01 | 5.4 | 4.0 | 7.44 | 1530 | 13.1 | <5 | <10 | 16 | 20 |
| | 16-Nov-01 | 6.0 | 2.0 | 6.79 | 1170 | 13.2 | <10 | <10 | 15 | 60 |
| | 8-Mar-02 | 4.0 | 1.0 | 7.09 | 1680 | 11.3 | <10 | 10 | <5 | 20 |
| | 31-May-02 | 5.1 | 7.0 | 7.17 | 1280 | 14.2 | <10 | <10 | 14 | 40 |
| | 5-Sep-02 | 5.0 | 7.0 | 6.69 | -- | -- | <5 | <5 | 14 | 39 |
| | 12-Dec-02 | 4.2 | 7.0 | 6.90 | 1330 | 12.1 | <5 | <5 | 12 | 53 |
| | 18-Mar-03 | 5.7 | 4.0 | 6.80 | 1260 | 10.7 | <5 | <5 | 10 | 37 |
| | 4-Jun-03 | 4.4 | 6.0 | 6.92 | 1150 | 11.0 | <5 | <5 | 8 | <5 |
| | 5-Oct-03 | 4.4 | 4.0 | 6.99 | 1230 | 13.6 | <5 | <5 | 14 | 28 |
| | 8-Dec-03 | 3.8 | 6.0 | 7.14 | 1520 | 11.6 | <5 | 11 | 14 | 63 |
| | 27-Feb-04 | 4.6 | 1.0 | 7.39 | 1410 | 12.1 | <5 | <5 | 12 | 36 |
| | 30-Jun-04 | 3.7 | 14.0 | 6.96 | 1008 | 12.2 | <5 | <5 | 12 | 8 |
| | 19-Nov-04 | 4.3 | 4.0 | 6.90 | 1090 | 11.7 | <5 | <5 | 20 | 6 |
| | 15-Jun-05 | 5.0 | 6.0 | 6.26 | 1460 | 12.5 | <5 | <5 | 15 | 39 |
| | 1-Dec-05 | 5.9 | 2.0 | 6.92 | 1620 | 11.1 | <5 | <5 | 18 | 15 |
| | 29-Jun-06 | 2.6 | 5.0 | 6.90 | 2260 | 15.2 | 5 | <4 | 10 | 11 |
| | 28-Nov-06 | 11.6 | 44.0 | 7.04 | 1430 | 13.4 | <5 | 5 | 15 | <5 |
| 6-Jun-07 | 4.9 | 6.0 | 6.54 | 1510 | 12.2 | 9 | 5 | 11 | 6 | |
| 12-Nov-07 | 4.3 | 1.0 | 6.90 | 1490 | 13.2 | 2 | 5 | 16 | 12 | |
| 24-Jun-08 | 4.2 | 49.0 | 6.91 | 1620 | 13.4 | <5 | <1 | 9 | <5 | |
| 17-Nov-08 | 4.4 | 6.0 | 6.79 | 1600 | 9.4 | <5 | <1 | 10 | 11 | |
| 23-Jun-09 | 4.6 | 9.0 | 7.16 | 1660 | 13.7 | <5 | <1 | 8 | 6 | |
| 17-Nov-09 | 5 | 15 | 7.11 | 1650 | 11.5 | <5 | <4 | 9 | 6 | |
| 17-Nov-09 | 5 | 20 | 7.11 | 1650 | 11.5 | <5 | <4 | 9 | 6 | |
| 14-Jun-10 | 5 | 4 | 7.01 | 1710 | 12.4 | 7 | <4 | 7 | 7 | |
| 8-Nov-10 | 6 | 7 | 7.16 | 1670 | 12.7 | 16 | <4 | 11 | <5 | |
| 20-Jun-11 | 5.4 | 5 | 7.28 | 1686 | 12.9 | 25 | <4 | 15 | 22 | |
| 20-Jun-11 | 5.9 | 5 | 7.28 | 1688 | 12.9 | 24 | <4 | 14 | 21 | |
| 14-Jul-11 | -- | -- | -- | -- | -- | <5 | -- | -- | -- | |
| 14-Nov-11 | 5.0 | 5 | 6.97 | 1699 | 12.4 | <5 | <4 | 10 | <5 | |
| 25-Jun-12 | 5.0 | 7 | 6.83 | 1748 | 13.0 | <5 | <4 | 6 | <5 | |
| 5-Dec-12 | 5.4 | 1 | 6.91 | 1713 | 11.1 | <5 | 11 | 16 | 9 | |
| 6-Jun-13 | 5.4 | 22 | 6.66 | 1744 | 12.2 | <5 | <4 | 10 | 6 | |
| 4-Nov-13 | 5.3 | 1 | 6.84 | 1703 | 11.8 | <5 | <4 | 8 | <5 | |
| 23-Jun-14 | 5.7 | 4 | 7.01 | 1759 | 12.3 | <5 | 5 | 10 | <5 | |
| 18-Nov-14 | 4.6 | 4 | 7.09 | 1724 | 7.4 | <5 | <4 | 18 | 5 | |
| 25-Jun-15 | 5.1 | 6 | 6.87 | 1788 | 12.4 | <5 | 6 | 14 | 8 | |
| 17-Nov-15 | 4.4 | 0 | 6.84 | 1706 | 12.1 | <5 | <5 | 17 | <5 | |
| 21-Jun-16 | 5.0 | 6 | 6.82 | 1795 | 14.5 | <5 | <5 | 11 | 6 | |
| 28-Nov-16 | 4.9 | 4 | 6.89 | 1808 | 11.1 | <5 | <5 | 9 | <5 | |
| 19-Jun-17 | 5.0 | 3 | 6.88 | 1805 | 12.2 | <5 | <5 | 11 | <5 | |
| 6-Nov-17 | 4.9 | 3 | 6.36 | 1764 | 11.7 | <5 | <5 | 10 | <5 | |
| 6-Nov-17 | 4.9 | <3 | 6.36 | 1761 | 11.7 | <5 | <5 | 10 | <5 | |
| 11-Jun-18 | 4.7 | 5 | 6.75 | 1774 | 12.1 | <5 | <5 | 8 | <5 | |
| 11-Jun-18 | 5.2 | 3 | 6.75 | 1789 | 12.1 | <5 | <5 | 8 | <5 | |
| 7-Nov-18 | 5.3 | <3 | 6.90 | 1696 | 4.0 | <5 | <5 | 11 | <5 | |
| 29-May-19 | 8.0 | 6 | 7.17 | 1668 | 9.6 | <5 | <5 | 8 | 230 | |
| 7-Jun-19 | -- | -- | -- | -- | -- | -- | -- | -- | <5 | |
| 19-Nov-19 | 6.7 | <3 | 7.08 | 1635 | 10.6 | <5 | <5 | 9 | <5 | |
| 19-Nov-19 | 6.9 | <3 | 7.08 | 1638 | 10.6 | <5 | <5 | 10 | <5 | |
| 16-Jun-20 | 9.7 | 3 | 7.13 | 1747 | 12.2 | <5 | <5 | 8 | <5 | |
| 16-Jun-20 | 10.0 | 3 | 7.13 | 1746 | 12.2 | <5 | <5 | 8 | <5 | |
| 4-Nov-20 | 7.4 | 1 | 6.67 | 1438 | 12.7 | <5 | <5 | 10 | <5 | |
| 16-Jun-21 | 8.2 | 4 | 6.96 | 1771 | 15.1 | <5 | <5 | 8 | <5 | |
| 16-Jun-21 | 7.6 | 3 | 6.96 | 1766 | 15.1 | <5 | <5 | 9 | <5 | |
| 4-Nov-21 | 7.5 | <3 | 6.96 | 1649 | 11.6 | <5 | <5 | 8 | <5 | |
| 4-Nov-21 | 7.2 | <3 | 6.96 | 1305 | 11.6 | <5 | <5 | 8 | <5 | |
| 7-Jun-22 | 9.0 | <3 | 6.82 | 1760 | 11.7 | <5 | <5 | 9 | 5 | |
| 7-Jun-22 | 8.6 | <3 | 6.82 | 1740 | 11.7 | <5 | <5 | 10 | <5 | |
| 1-Nov-22 | 9.6 | <3 | 6.63 | 1716 | 11.7 | <5 | <5 | 9 | <5 | |
| 1-Nov-22 | 9.8 | 3 | 6.63 | 1716 | 11.7 | <5 | <5 | 9 | <5 | |
| 6-Jun-23 | 3.0 | <3 | 6.95 | 1720 | 13.7 | <5 | <5 | 8 | 7 | |
| 6-Jun-23 | 2.9 | <3 | 6.95 | 1730 | 13.7 | <5 | <5 | 8 | 8 | |
| 7-Nov-23 | 4.1 | <3 | 7.52 | 1660 | 11.7 | <5 | <5 | 8 | 5 | |
| 4-Jun-24 | 4.2 | <3 | 6.96 | 1708 | 15.0 | <5 | <5 | 8 | <5 | |
| 4-Jun-24 | 4.2 | <3 | 6.96 | 1708 | 15.0 | <5 | <5 | 7 | <5 | |
| 5-Nov-24 | 3.5 | <3 | 6.58 | 1621 | 13.5 | <5 | <5 | 8 | <5 | |
| Duplicate | 3-Jun-25 | 4.1 | <3 | 6.94 | 1696 | 11.7 | <5 | 8 | <5 | |
| Duplicate | 3-Jun-25 | 4.1 | <3 | 6.94 | 1706 | 11.7 | <5 | 9 | <5 | |

See notes on page 6.



TABLE 1
RACER Trust - Coldwater Road
Landfill Leak Detection Vaults - Historical Analytical Results
Inorganics and Metals

| Vault | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|-----------|-----------------|---|--------------|-------------|-------------|-------------|-------------------------|------------------|----------------|--------------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| | | <i>EGLE Residential Drinking Water Criteria & RBSLs</i> | | | | | <i>100 (A)</i> | <i>1,000 (E)</i> | <i>100 (A)</i> | <i>2,400</i> |
| Vault D | 23-Mar-95 | 8.9 | 83.0 | 7.30 | 2200 | -- | 13 | <20 | 44 | <20 |
| | 20-Jun-95 | NS | NS | NS | NS | -- | NS | NS | NS | NS |
| | 30-Aug-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 28-Nov-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 27-Mar-96 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 18-Jun-96 | 11.0 | 150.0 | 6.90 | 1800 | -- | <20 | <20 | <20 | 20 |
| | 20-Aug-96 | 40.0 | <5 | 7.20 | 1600 | -- | <20 | <20 | <20 | 40 |
| | 11-Nov-96 | 23.0 | 9.0 | 7.00 | 1700 | -- | <20 | <20 | 40 | 70 |
| | 19-Feb-97 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 9-May-97 | 23.0 | 76.0 | 6.69 | 1580 | 8.8 | <10 | <10 | 58 | 70 |
| | 8-Aug-97 | 11.0 | 44.0 | 6.48 | 1540 | 28.5 | <10 | <10 | 79 | 20 |
| | 15-Nov-97 | 12.0 | 6.0 | 6.60 | 1800 | 11.0 | <10 | <10 | 114 | 30 |
| | 9-Feb-98 | 12.0 | 52.0 | 6.50 | 1655 | 12.5 | <10 | <10 | 66 | 40 |
| | 14-May-98 | 10.0 | 40.0 | 7.00 | 1700 | 16.3 | <10 | 30 | 23 | 50 |
| | 14-Aug-98 | 11.0 | 57.0 | 6.60 | -- | -- | <10 | <10 | 23 | 40 |
| | 13-Nov-98 | 11.0 | 22.0 | 6.70 | 1790 | 15.2 | <10 | <10 | 20 | 30 |
| | 19-Mar-99 | 6.3 | 2.0 | 7.00 | 1302 | 14.8 | <10 | 30 | 20 | 40 |
| | 6-May-99 | 12.4 | 28.0 | 6.90 | 1510 | 25.2 | <10 | 30 | 15 | 30 |
| | 23-Jul-99 | 11.0 | 40.0 | 7.00 | 1231 | 21.0 | <5 | 9 | 21 | 19 |
| | 22-Oct-99 | 10.6 | 13.0 | 6.76 | 1384 | 10.3 | <10 | <10 | 23 | 20 |
| | 14-Mar-00 | 10.7 | 57.0 | 7.80 | 1460 | 13.0 | <10 | <10 | 15 | 20 |
| | 20-Jun-00 | 10.1 | 23.0 | 6.80 | 1410 | 18.7 | <10 | 60 | 21 | 70 |
| | 13-Sep-00 | 10.7 | 7.0 | 7.60 | 1370 | 16.1 | <5 | <10 | 21 | 20 |
| | 10-Nov-00 | 7.0 | 10.0 | 7.20 | 1630 | 12.2 | <10 | <10 | 23 | 20 |
| | 12-Mar-01 | 5.6 | 33.0 | 7.84 | 1710 | 12.9 | <10 | <10 | 11 | 10 |
| | 24-May-01 | 12.0 | 16.0 | 7.48 | 1760 | 13.1 | <10 | 10 | 18 | 30 |
| | 31-Aug-01 | 9.8 | 8.0 | 7.66 | 1420 | 12.8 | 5 | <10 | 24 | 20 |
| | 16-Nov-01 | 7.4 | 20.0 | 7.58 | 1270 | 12.9 | <10 | 10 | 17 | 50 |
| | 8-Mar-02 | 8.4 | 3.0 | 7.18 | 1430 | 10.9 | <10 | 10 | <5 | 10 |
| | 31-May-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 5-Sep-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 12-Dec-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 18-Mar-03 | 8.9 | 15.0 | 6.77 | 1380 | 11.6 | <5 | 5.0 | 10.0 | 19 |
| | 4-Jun-03 | 9.6 | 5.0 | 6.91 | 1430 | 11.0 | <5 | <5 | 8 | <5 |
| | 5-Oct-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 8-Dec-03 | 6.1 | 4.0 | 6.92 | 1330 | 11.0 | 8 | 17 | 14 | 63 |
| | 27-Feb-04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 30-Jun-04 | 6.5 | 5.0 | 6.96 | 1050 | 12.1 | <5 | <5 | 30 | 9 |
| | 19-Nov-04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 15-Jun-05 | 6.0 | 6.0 | 5.90 | 1540 | 12.9 | <5 | <5 | 25 | 17 |
| | 17-Jan-06 | 6.2 | 8.0 | 7.34 | 1600 | 7.9 | 6 | 14 | 37 | <5 |
| | 14-Feb-06 | -- | -- | 7.96 | 1520 | 9.2 | -- | 5 | -- | -- |
| | 29-Jun-06 | 5.9 | 51.0 | 6.98 | 1570 | 13.9 | 6 | <4 | 26 | 14 |
| | 28-Nov-06 | 7.2 | 13.0 | 7.18 | 1590 | 13.1 | <5 | <4 | 17 | 7 |
| | 6-Jun-07 | 6.9 | 7.0 | 7.30 | 1530 | 14.2 | 9 | 5 | 34 | 8 |
| 12-Nov-07 | 7.3 | 5.0 | 6.91 | 1580 | 12.3 | 3 | 5 | 23 | 12 | |
| 12-Nov-07 | 6.0 | 7.0 | 6.91 | 1570 | 12.3 | 3 | 5 | 23 | 9 | |
| 24-Jun-08 | 4.1 | 4.0 | 6.87 | 1570 | 15.4 | <5 | <1 | 35 | <5 | |
| 17-Nov-08 | 5.6 | 10.0 | 7.42 | 1580 | 8.0 | <5 | 1 | 17 | 6 | |
| 23-Jun-09 | 7.0 | 20.0 | 7.17 | 1570 | 13.7 | <5 | <1 | 34 | 5 | |
| 17-Nov-09 | 6.0 | 7 | 7.28 | 1610 | 11.5 | <5 | <4 | 16 | 7 | |
| 14-Jun-10 | 7.0 | 35 | 7.10 | 1550 | 11.9 | 8 | <4 | 32 | 11 | |
| 14-Jun-10 | 7.0 | 1 | 7.10 | 1550 | 11.9 | 7 | <4 | 33 | 11 | |
| 8-Nov-10 | 9.0 | 31 | 7.41 | 1555 | 13.4 | 19 | <4 | 18 | <5 | |
| 14-Jul-11 | -- | -- | 7.23 | -- | 18.0 | <5 | <4 | 40 | <5 | |
| 14-Nov-11 | 9.0 | 5 | 7.04 | 1513 | 11.8 | <5 | <4 | 25 | <5 | |
| 25-Jun-12 | 5.0 | 3 | 5.70 | 1367 | 14.5 | <5 | 16 | 29 | 15 | |
| 5-Dec-12 | 7.3 | 3 | 7.11 | 1471 | 10.4 | <5 | 11 | 33 | 22 | |
| 6-Jun-13 | 7.5 | 3 | 6.76 | 1534 | 11.5 | <5 | 5 | 18 | 75 | |
| 4-Nov-13 | 7.2 | <1 | 7.03 | 1565 | 11.8 | <5 | 4 | 13 | 7 | |
| 4-Nov-13 | 7.6 | <1 | 7.03 | 1562 | 11.8 | <5 | <4 | 13 | 9 | |
| 23-Jun-14 | 8.0 | 7 | 7.10 | 1592 | 12.2 | <5 | 4 | 15 | 9 | |
| Duplicate | 23-Jun-14 | 7.9 | 2 | 7.10 | 1591 | 12.2 | <5 | <4 | 16 | 8 |
| Duplicate | 18-Nov-14 | 6.2 | 2 | 7.02 | 1635 | 7.6 | <5 | 10 | 20 | 11 |
| Duplicate | 18-Nov-14 | 6.0 | <1 | 7.02 | 1640 | 7.6 | <5 | 5 | 21 | 12 |
| | 25-Jun-15 | 6.9 | 3 | 6.93 | 1643 | 11.8 | <5 | 8 | 23 | 17 |
| | 17-Nov-15 | 5.7 | 3 | 6.84 | 1729 | 12.2 | <5 | <5 | 17 | 10 |
| | 21-Jun-16 | 6.9 | 3 | 7.04 | 1656 | 14.7 | <5 | 6 | 13 | 10 |
| | 28-Nov-16 | 5.2 | <3 | 6.91 | 1659 | 10.7 | <5 | 6 | 17 | 9 |
| | 19-Jun-17 | 7.3 | <3 | 6.83 | 1655 | 16.7 | <5 | <5 | 15 | 10 |
| | 6-Nov-17 | 5.9 | <3 | 6.44 | 1650 | 11.7 | <5 | <5 | 12 | 6 |
| | 11-Jun-18 | 6.5 | <3 | 6.82 | 1655 | 13.6 | <5 | <5 | 14 | 9 |
| | 7-Nov-18 | 6.5 | <3 | 7.00 | 1619 | 7.0 | <5 | <5 | 35 | <5 |
| | 29-May-19 | 9.9 | <3 | 7.37 | 1583 | 10.2 | <5 | <5 | 13 | 8 |
| | 19-Nov-19 | 6.7 | <3 | 7.08 | 1671 | 10.6 | <5 | <5 | 13 | 8 |
| | 16-Jun-20 | 9.8 | <3 | 7.09 | 1586 | 13.8 | <5 | <5 | 12 | 6 |
| | 4-Nov-20 | 9.8 | <3 | 6.66 | 1406 | 13.3 | <5 | <5 | 12 | 6 |
| | 16-Jun-21 | 8.8 | <3 | 6.92 | 1527 | 20.5 | <5 | <5 | 12 | 6 |
| | 4-Nov-21 | 8.8 | <3 | 7.06 | 1186 | 11.2 | <5 | <5 | 19 | 7 |
| | 7-Jun-22 | 9.5 | <3 | 6.72 | 1450 | 13.1 | <5 | <5 | 11 | <5 |
| | 1-Nov-22 | 9.8 | <3 | 6.61 | 1440 | 11.8 | <5 | 6 | 9 | 7 |
| | 7-Jun-23 | 3.4 | <3 | 6.86 | 1470 | 15.3 | <5 | <5 | 11 | 8 |
| | 7-Nov-23 | 4.6 | <3 | 7.49 | 1550 | 11.6 | <5 | <5 | 13 | 9 |
| Duplicate | 7-Nov-23 | 4.5 | <3 | 7.49 | 1550 | 11.6 | <5 | <5 | 13 | 12 |
| | 4-Jun-24 | 4.6 | <3 | 6.94 | 1462 | 15.6 | <5 | <5 | 21 | 7 |
| | 5-Nov-24 | 3.5 | <3 | 6.68 | 1480 | 13.6 | <5 | <5 | 35 | 13 |
| | 3-Jun-25 | 3.6 | <3 | 6.95 | 1402 | 14.2 | <5 | <5 | 12 | 8 |

See notes on page 6.



TABLE 1
RACER Trust - Coldwater Road
Landfill Leak Detection Vaults - Historical Analytical Results
Inorganics and Metals

| Vault | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|--|-------------|----------------------|------------|------|------|---------|-------------------------|---------|-------|-----|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| EGLE Residential Drinking Water Criteria & RBSLs | | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 | |
| Vault E | 23-Mar-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 20-Jun-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 30-Aug-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 28-Nov-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 27-Mar-96 | 110.0 | <10 | 7.20 | 2000 | -- | <20 | <20 | 46 | <20 |
| | 18-Jun-96 | 9.0 | 76.0 | 7.00 | 2400 | -- | <20 | <20 | <20 | <20 |
| | 4-Oct-96 | 5.9 | 19.0 | 6.90 | 2000 | -- | <20 | <20 | <20 | 20 |
| | 11-Nov-96 | 12.0 | 11.0 | 7.00 | 1800 | -- | <20 | <20 | <20 | 30 |
| | 19-Feb-97 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 7-May-97 | 7.0 | 2.0 | 6.33 | 2120 | 15.6 | <10 | <10 | 35 | 30 |
| | 12-Aug-97 | 5.0 | 27.0 | 6.70 | 1840 | 14.9 | <10 | <10 | 64 | 40 |
| | 15-Nov-97 | 5.0 | 12.0 | 6.50 | 2100 | 11.0 | <10 | <10 | 116 | 40 |
| | 9-Feb-98 | 6.0 | 4.0 | 6.60 | 1950 | 12.6 | <10 | <10 | 54 | 50 |
| | 14-May-98 | 6.0 | 32.0 | 7.10 | 1850 | 13.5 | <10 | <10 | 7 | 60 |
| | 14-Aug-98 | 4.0 | 8.0 | 6.70 | -- | -- | <10 | <10 | 8 | 40 |
| | 30-Nov-98 | 3.0 | 14.0 | -- | -- | -- | 10 | <10 | 46 | 60 |
| | 19-Mar-99 | 4.8 | 20.0 | 6.50 | 1302 | 14.3 | <10 | 20 | 6 | 30 |
| | 6-May-99 | 8.2 | 14.0 | 6.90 | 1720 | 27.4 | <10 | <10 | 5 | 20 |
| | 23-Jul-99 | 4.6 | 9.0 | 6.50 | 1468 | 21.8 | <5 | 11 | 6 | 19 |
| | 22-Oct-99 | 3.5 | 6.0 | 6.33 | 1382 | 11.0 | <10 | <10 | 6 | 20 |
| | 14-Mar-00 | 5.6 | 48.0 | 8.00 | 1500 | 13.9 | <10 | <10 | 5 | 10 |
| | 20-Jun-00 | 6.3 | 22.0 | 6.90 | 1430 | 19.6 | <10 | 30 | <5 | 30 |
| | 13-Sep-00 | 4.1 | 5.0 | 7.70 | 1360 | 15.7 | <5 | <10 | 5 | 20 |
| | 10-Nov-00 | 4.3 | 4.0 | 7.50 | 1290 | 11.8 | <10 | 40 | 5 | 60 |
| | 12-Mar-01 | 5.4 | 9.0 | 7.33 | -- | 12.7 | <10 | <10 | 5 | 10 |
| | 24-May-01 | 8.6 | 10.0 | 7.52 | 1900 | 13.6 | <10 | 10 | 6 | 40 |
| | 31-Aug-01 | 5.7 | 5.3 | 7.58 | 1810 | 13.2 | <5 | 10 | 6 | 70 |
| | 16-Nov-01 | 3.6 | <1.0 | 7.46 | 1630 | 12.8 | <10 | 10 | 6 | 60 |
| | 8-Mar-02 | 6.0 | <1.0 | 7.01 | 1570 | 9.8 | <10 | 10 | 6 | 90 |
| | 31-May-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 5-Sep-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 12-Dec-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 18-Mar-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 4-Jun-03 | 5.1 | 6.0 | 6.92 | 1470 | 11.0 | <5 | 6.0 | <5 | 50 |
| | 5-Oct-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 8-Dec-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 27-Feb-04 | 5.4 | 4.0 | 7.61 | 1190 | 12.1 | <5 | 6 | 7 | 43 |
| | 30-Jun-04 | 4.9 | 390 | 6.91 | 1337 | 12.7 | <5 | <5 | 6 | 43 |
| | 19-Nov-04 | 4.3 | 3 | 7.06 | 1230 | 11.4 | <5 | 7 | 22 | 11 |
| | 15-Jun-05 | 7.0 | 3 | 6.77 | 1790 | 12.6 | <5 | <5 | 12 | 31 |
| | 1-Dec-05 | 3.7 | <1 | 7.10 | 1630 | 10.9 | <5 | 66 | <5 | 73 |
| | 29-Jun-06 | 5.8 | 8.0 | 6.94 | 1790 | 14.0 | 5 | 4 | 6 | 13 |
| | 28-Nov-06 | 6.3 | 134.0 | 7.51 | 1680 | 13.1 | 5 | 5 | <5 | 10 |
| | 6-Jun-07 | 4.6 | 3.0 | 6.48 | 1820 | 12.7 | 9 | 7 | <5 | 9 |
| | Duplicate | 6-Jun-07 | 4.8 | 3.0 | -- | 1820 | -- | 10 | 5 | <5 |
| 12-Nov-07 | 3.9 | 4.0 | 6.80 | 1740 | 12.0 | 2 | 4 | 11 | 13 | |
| 24-Jun-08 | 6.0 | 2.0 | 6.76 | 1860 | 13.9 | <5 | 2 | <5 | 6 | |
| 17-Nov-08 | 4.1 | 1.0 | 7.43 | 1630 | 10.3 | <5 | 2 | <5 | 19 | |
| 23-Jun-09 | 3.2 | 10.0 | 6.79 | 1950 | 14.0 | <5 | 2 | <5 | 15 | |
| Duplicate | 23-Jun-09 | 3.0 | 17.0 | 6.79 | 1960 | 14.0 | <5 | 2 | <5 | 14 |
| 17-Nov-09 | 5.0 | 9 | 6.89 | 1780 | 11.2 | <5 | <4 | <5 | 14 | |
| 14-Jun-10 | 4.0 | 21 | 6.85 | 1910 | 12.5 | 9 | <4 | <5 | 13 | |
| 8-Nov-10 | 5.0 | <1 | 7.02 | 1714 | 12.4 | 24 | <4 | <5 | 7 | |
| Duplicate | 8-Nov-10 | 5.0 | 3 | 7.02 | 1715 | 12.4 | 20 | <4 | <5 | 7 |
| 20-Jun-11 | 3.4 | 5 | 6.91 | 1711 | 13.0 | 29 | <4 | 10 | 15 | |
| Re-sample | 14-Jul-11 | -- | -- | -- | -- | <5 | -- | -- | -- | |
| 14-Nov-11 | 4.0 | 9 | 6.89 | 1637 | 11.7 | <5 | <4 | <5 | <5 | |
| Duplicate | 14-Nov-11 | 3.0 | 5 | 6.89 | 1635 | 11.7 | <5 | <4 | <5 | <5 |
| 25-Jun-12 | 3.0 | 3 | 6.00 | 1792 | 12.9 | <5 | <4 | <5 | 7 | |
| 5-Dec-12 | 3.4 | 0 | 6.77 | 1776 | 10.4 | <5 | <4 | 6 | 11 | |
| 6-Jun-13 | 3.3 | 8 | 6.54 | 1397 | 10.6 | <5 | 6 | <5 | <5 | |
| 4-Nov-13 | 3.0 | 2 | 6.74 | 1741 | 12.0 | <5 | 4 | 12 | 9 | |
| 23-Jun-14 | 3.3 | <1 | 6.88 | 1677 | 11.7 | <5 | <4 | <5 | <5 | |
| 18-Nov-14 | 3.0 | 2 | 7.08 | 1747 | 7.5 | <5 | <4 | 10 | 6 | |
| 25-Jun-15 | 2.9 | 4 | 6.88 | 1456 | 12.6 | <5 | <5 | 7 | 8 | |
| Duplicate | 25-Jun-15 | 2.9 | 3 | 6.88 | 1460 | 12.6 | <5 | <5 | 7 | 7 |
| 17-Nov-15 | 2.7 | 2 | 6.80 | 1435 | 12.9 | <5 | <5 | 5 | <5 | |
| 21-Jun-16 | 2.6 | <3 | 6.75 | 1408 | 13.9 | <5 | <5 | <5 | 5 | |
| 28-Nov-16 | 2.3 | <3 | 6.88 | 1502 | 11.3 | <5 | <5 | <5 | <5 | |
| 19-Jun-17 | 2.6 | 3 | 6.79 | 1431 | 11.9 | <5 | <5 | <5 | <5 | |
| 19-Jun-17 | 2.7 | <3 | 6.79 | 1430 | 11.9 | <5 | <5 | <5 | <5 | |
| 6-Nov-17 | 2.5 | <3 | 6.37 | 1465 | 11.8 | <5 | <5 | <5 | <5 | |
| 11-Jun-18 | 2.6 | <3 | 6.57 | 1300 | 14.3 | <5 | <5 | <5 | 5 | |
| 7-Nov-18 | 3.1 | <3 | 7.20 | 1274 | 5.0 | <5 | <5 | <5 | <5 | |
| 29-May-19 | 5.3 | <3 | 7.16 | 1339 | 10.4 | <5 | <5 | <5 | <5 | |
| Duplicate | 29-May-19 | 5.1 | <3 | 7.16 | 1334 | 10.4 | <5 | <5 | <5 | <5 |
| 19-Nov-19 | 5.0 | <3 | 6.95 | 1383 | 10.6 | <5 | 7 | <5 | 5 | |
| 16-Jun-20 | 6.0 | <3 | 6.99 | 1210 | 14.5 | <5 | <5 | <5 | <5 | |
| 4-Nov-20 | 4.8 | <3 | 6.61 | 1188 | 12.2 | <5 | <5 | <5 | <5 | |
| 16-Jun-21 | 4.9 | <3 | 6.89 | 1211 | 17.7 | <5 | <5 | <5 | <5 | |
| 4-Nov-21 | 5.7 | <3 | 6.89 | 831 | 11.6 | <5 | <5 | <5 | <5 | |
| 7-Jun-22 | 6.0 | <3 | 6.73 | 1150 | 14.0 | <5 | <5 | <5 | 8 | |
| 1-Nov-22 | 7.8 | <3 | 6.57 | 1201 | 11.8 | <5 | 5 | <5 | 5 | |
| 7-Jun-23 | <1 | <3 | 6.86 | 1270 | 18.6 | <5 | <5 | <5 | <5 | |
| 7-Nov-23 | 2.2 | <3 | 7.50 | 1340 | 11.1 | <5 | <5 | <5 | <5 | |
| 4-Jun-24 | 1.4 | <3 | 6.84 | 1176 | 14.0 | <5 | <5 | <5 | <5 | |
| 5-Nov-24 | 1.7 | <3 | 6.59 | 1209 | 13.5 | <5 | <5 | <5 | <5 | |
| 3-Jun-25 | 1.6 | <3 | 6.86 | 1151 | 12.9 | <5 | <5 | <5 | <5 | |

See notes on page 6.

TABLE 1
RACER Trust - Coldwater Road
Landfill Leak Detection Vaults - Historical Analytical Results
Inorganics and Metals

| Vault | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | | |
|-----------|-----------------|---|--------------|-------------|-------------|-------------|-------------------------|--------------|--------------|--------------|-----|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn | |
| | | <i>EGLR Residential Drinking Water Criteria & RBSLs</i> | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 | |
| Vault F | 23-Mar-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 20-Jun-95 | 8.2 | <1 | 6.80 | 1400 | -- | <20 | <20 | <30 | 190 | |
| | 30-Aug-95 | 6.1 | <1 | 6.80 | 1100 | NS | <20 | <20 | <40 | 220 | |
| | 28-Nov-95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 27-Mar-96 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 18-Jun-96 | 6.2 | 77.0 | 6.80 | 1600 | -- | <20 | <20 | <20 | <20 | |
| | 20-Aug-96 | 4.8 | 1500.0 | 7.10 | 1500 | -- | <20 | 20 | <20 | 50 | |
| | 11-Nov-96 | 14.0 | 7100.0 | 7.00 | 1600 | -- | <20 | <20 | <20 | 30 | |
| | 19-Feb-97 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 9-May-97 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 8-Aug-97 | 3.0 | 21.0 | 6.14 | 1530 | 20.6 | <10 | <10 | 64 | 20 | |
| | 15-Nov-97 | 7.0 | 56.0 | 6.70 | 1800 | 13.0 | <10 | <10 | 93 | 130 | |
| | 9-Feb-98 | 5.0 | 30.0 | 6.50 | 1750 | 13.5 | <10 | <10 | 49 | 160 | |
| | 14-May-98 | 5.0 | 16.0 | 7.07 | 1400 | 25.4 | <10 | 20 | 7 | 130 | |
| | 14-Aug-98 | 3.0 | 25.0 | 6.60 | -- | -- | <10 | <10 | 7 | 40 | |
| | 30-Nov-98 | 4.0 | 38.0 | -- | -- | -- | 10 | <10 | 47 | 30 | |
| | 19-Mar-99 | 4.2 | 52.0 | 6.80 | 982 | 14.4 | <10 | 20 | 9 | 20 | |
| | 6-May-99 | 4.6 | 50.0 | 7.00 | 1460 | 28.0 | <10 | 10 | 5 | 30 | |
| | 23-Jul-99 | 3.7 | 95.0 | 6.30 | 1262 | 21.2 | 6 | 17 | 6 | 26 | |
| | 22-Oct-99 | 3.7 | 12.0 | 6.29 | 1116 | 12.3 | <10 | <10 | 6 | 20 | |
| | 14-Mar-00 | 5.4 | 81.0 | 8.00 | 1250 | 14.9 | <10 | <10 | 6 | 30 | |
| | 20-Jun-00 | 4.4 | 66.0 | 7.10 | 1310 | 20.1 | <10 | 40 | <5 | 80 | |
| | 13-Sep-00 | 3.0 | 11.0 | 7.40 | 1440 | 15.6 | <5 | <10 | 6 | 20 | |
| | 10-Nov-00 | 3.9 | 41.0 | 6.80 | 1040 | 11.6 | <10 | 60 | 5 | 100 | |
| | 12-Mar-01 | 5.5 | 24.0 | 7.12 | 1110 | 12.3 | <10 | <10 | 5 | 10 | |
| | 24-May-01 | 7.4 | 16.0 | 7.44 | 1470 | 12.8 | <10 | 60 | 5 | 100 | |
| | 31-Aug-01 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 16-Nov-01 | 4.2 | 68.0 | 7.26 | 1110 | 12.9 | <10 | 40 | <5 | 100 | |
| | 8-Mar-02 | 4.4 | 11.0 | 6.92 | 1290 | 10.4 | <10 | 10 | <5 | 60 | |
| | 31-May-02 | 2.4 | 45.0 | 7.17 | 1200 | 14.3 | <10 | <10 | 6 | 20 | |
| | 5-Sep-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 12-Dec-02 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 18-Mar-03 | 3.7 | 7.0 | 6.78 | 1270 | 12.4 | <5 | 19 | <5 | 119 | |
| | 4-Jun-03 | 2.5 | 4.0 | 6.92 | 1300 | 10.9 | <5 | <5 | <5 | <5 | |
| | 5-Oct-03 | 3.9 | 5.0 | 6.88 | 1040 | 13.5 | <5 | 11 | 5 | 66 | |
| | 8-Dec-03 | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 27-Feb-04 | 3.9 | 7.0 | 7.11 | 1920 | 12.2 | <5 | 5 | <5 | 30 | |
| | 30-Jun-04 | 3.5 | 1.0 | 6.89 | 1300 | 12.0 | <5 | 5 | <5 | 10 | |
| | 30-Jun-04 | 3.5 | 1.0 | 6.89 | 1300 | 12.0 | <5 | 5 | <5 | 10 | |
| | 19-Nov-04 | 3.2 | 4.0 | 7.07 | 1160 | 11.0 | <5 | <5 | 15 | 8 | |
| | 15-Jun-05 | 4.0 | 8.0 | 5.47 | 1780 | 12.3 | <5 | <5 | 9 | 17 | |
| | 1-Dec-05 | 3.7 | 3.0 | 6.92 | 1640 | 10.7 | <5 | 83 | <5 | 62 | |
| | Duplicate | 7-Dec-05 | 4.7 | 5.0 | -- | 1540 | -- | <5 | 31 | 19 | <10 |
| | Re-sample | 14-Feb-06 | -- | -- | 7.90 | 1710 | 7.2 | -- | <4 | -- | -- |
| | | 29-Jun-06 | 2.9 | 90.0 | 6.72 | 1710 | 15.3 | 7 | <4 | <5 | 9 |
| | | 28-Nov-06 | 4.4 | 3.0 | 7.04 | 1610 | 13.9 | 5 | <4 | <5 | 10 |
| | | 6-Jun-07 | 3.9 | 2.0 | 6.44 | 1640 | 15.5 | 10 | 3 | <5 | 8 |
| | | 12-Nov-07 | 2.2 | 53.0 | 6.84 | 1600 | 12.2 | 2 | 3 | 9 | 11 |
| | Duplicate | 24-Jun-08 | 2.3 | 5.0 | 6.86 | 1510 | 14.5 | <5 | <1 | <5 | <5 |
| | | 24-Jun-08 | 2.8 | 3.0 | 6.86 | 1500 | 14.5 | <5 | <1 | <5 | <5 |
| | 17-Nov-08 | 1.8 | 9.0 | 7.20 | 1510 | 9.5 | <5 | <1 | <5 | 15 | |
| | 23-Jun-09 | 2.9 | 29.0 | 7.08 | 1530 | 13.1 | <5 | <1 | <5 | 10 | |
| | 17-Nov-09 | 3 | 16 | 7.03 | 1550 | 11.0 | <5 | <4 | <5 | 11 | |
| | 14-Jun-10 | 3 | 14 | 7.02 | 1540 | 12.1 | 6 | <4 | <5 | 17 | |
| | 8-Nov-10 | 3 | 2 | 7.00 | 1590 | 12.3 | 16 | <4 | <5 | 14 | |
| Re-sample | 20-Jun-11 | 2.5 | 47 | 7.03 | 1642 | 14.6 | 23 | <4 | 9 | 20 | |
| | 14-Jul-11 | -- | -- | -- | -- | -- | <5 | -- | -- | -- | |
| | 14-Nov-11 | 2.0 | 29 | 6.93 | 1651 | 11.4 | <5 | <4 | <5 | <5 | |
| | 25-Jun-12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 5-Dec-12 | 2.8 | 7 | 6.69 | 1729 | 9.9 | <5 | <4 | 6 | 12 | |
| Duplicate | 6-Jun-13 | 2.7 | 2 | 6.78 | 1761 | 10.8 | <5 | <4 | 6 | 6 | |
| | 6-Jun-13 | 2.9 | <1 | 6.78 | 1759 | 10.8 | <5 | <4 | <5 | 6 | |
| | 4-Nov-13 | 2.6 | 1 | 6.83 | 1736 | 11.6 | <5 | <4 | <5 | <5 | |
| | 23-Jun-14 | 2.6 | 3 | 7.15 | 1710 | 13.3 | <5 | <4 | <5 | <5 | |
| | 18-Nov-14 | 2.4 | 2 | 7.13 | 1724 | 7.4 | <5 | <4 | 10 | 8 | |
| | 25-Jun-15 | 2.3 | 3 | 7.08 | 1669 | 14.0 | <5 | <5 | 7 | 9 | |
| Duplicate | 17-Nov-15 | 2.1 | 1 | 6.95 | 1686 | 13.5 | <5 | <5 | 6 | 6 | |
| | 17-Nov-15 | 2.1 | 1 | 6.95 | 1686 | 13.5 | <5 | <5 | 6 | 6 | |
| | 21-Jun-16 | 2.4 | <3 | 7.03 | 1640 | 14.2 | <5 | <5 | <5 | 6 | |
| Duplicate | 28-Nov-16 | 1.9 | 3 | 6.84 | 1641 | 11.1 | <5 | <5 | <5 | <5 | |
| | 28-Nov-16 | 1.9 | <3 | 6.84 | 1640 | 11.1 | <5 | <5 | <5 | 6 | |
| | 19-Jun-17 | 2.4 | <3 | 6.89 | 1675 | 11.8 | <5 | <5 | <5 | 6 | |
| | 6-Nov-17 | 2.2 | <3 | 6.47 | 1626 | 11.0 | <5 | <5 | <5 | <5 | |
| | 11-Jun-18 | 2.2 | <3 | 6.75 | 1685 | 13.6 | <5 | <5 | <5 | 6 | |
| | 7-Nov-18 | 2.9 | <3 | 7.20 | 1637 | 5.0 | <5 | <5 | <5 | <5 | |
| | 29-May-19 | 5.3 | <3 | 7.13 | 1563 | 11.3 | <5 | <5 | 10 | <5 | |
| | 19-Nov-19 | 4.6 | <3 | 7.20 | 1593 | 10.1 | <5 | <5 | 14 | 6 | |
| | 16-Jun-20 | 6.6 | <3 | 7.23 | 1623 | 13.3 | <5 | <5 | 18 | <5 | |
| | 4-Nov-20 | 5.2 | <3 | 6.72 | 1347 | 13.1 | <5 | <5 | 12 | <5 | |
| | 16-Jun-21 | 5.8 | <3 | 6.84 | 1554 | 20.2 | <5 | <5 | 8 | <5 | |
| | 4-Nov-21 | 5.8 | <3 | 7.03 | 1398 | 10.8 | <5 | <5 | 10 | <5 | |
| | 7-Jun-22 | 6.6 | 3 | 6.85 | 1620 | 14.4 | <5 | <5 | 9 | <5 | |
| | 1-Nov-22 | 7.8 | <3 | 6.71 | 1570 | 11.8 | <5 | <5 | 6 | <5 | |
| | 7-Jun-23 | <1 | <3 | 7.00 | 1570 | 15.1 | <5 | <5 | 5 | <5 | |
| | 7-Nov-23 | 2.2 | <3 | 7.54 | 1580 | 11.0 | <5 | <5 | <5 | <5 | |
| | 4-Jun-24 | 1.7 | <3 | 6.94 | 1570 | 16.8 | <5 | <5 | 7 | <5 | |
| | 5-Nov-24 | 1.9 | <3 | 6.86 | 1584 | 13.4 | <5 | <5 | <5 | <5 | |
| | 3-Jun-25 | 1.7 | <3 | 7.11 | 1570 | 13.5 | <5 | <5 | <5 | <5 | |

Notes

"<" - Not detected above specified detection limit.
 "NS" - Not sampled - no liquid.
 "SpC" - Specific conductivity in micro siemens (uS).
 "Temp" - Temperature in degrees celsius.
 "--" - Physical parameter not measured (instrument failure or duplicate sample).
 Exceedances of EGLR Residential Drinking Water Criteria highlighted in yellow.

"A" - Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.
 "E" - Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA)



TABLE 2
RACER Trust - Coldwater Road
Landfill Leak Detection Sumps - Historical Analytical Results
Inorganics and Metals

| Sump | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | | |
|-----------|-----------------|----------------------|---|-------------|-------------|-------------|-------------------------|----------------|------------------|----------------|--------------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn | |
| | | | <i>EGLE Residential Drinking Water Criteria & RBSLs</i> | | | | | <i>100 (A)</i> | <i>1,000 (E)</i> | <i>100 (A)</i> | <i>2,400</i> |
| Sump A | 18-Jun-96 | 170.0 | 200 | 9.50 | 2800 | -- | 50 | 4300 | 640 | <20 | |
| | 11-Nov-96 | 350.0 | 3000 | 10.00 | 4400 | -- | 150 | 8800 | 1300 | 30 | |
| | 7-May-97 | 85.0 | 62 | 7.86 | 2200 | 8.9 | 20 | 2450 | 422 | 10 | |
| | 5-Nov-97 | 110.0 | 14 | 8.50 | 2800 | 11.0 | <1 | 1050 | 376 | 20 | |
| | 5-May-98 | 125.0 | 2 | 7.90 | 2280 | 9.1 | 40 | 1380 | 383 | 10 | |
| | 6-Nov-98 | 136.0 | 984 | 7.54 | 2750 | 11.7 | 40 | 2950 | 519 | <10 | |
| | 26-Apr-99 | 110.0 | 253 | 9.49 | 1334 | 12.6 | 40 | 2380 | 375 | <10 | |
| | 22-Oct-99 | 44.7 | 8 | 6.60 | 1750 | 12.1 | 20 | 960 | 155 | 30 | |
| | 20-Jun-00 | 53.4 | 16 | 8.20 | 1980 | 13.1 | 40 | 1160 | 187 | 20 | |
| | 10-Nov-00 | 66.7 | 31 | 7.70 | 2130 | 11.1 | 30 | 1050 | 174 | 20 | |
| | 24-May-01 | 70.0 | 16 | 8.59 | 2470 | 10.2 | 40 | 1030 | 163 | 20 | |
| | 16-Nov-01 | 69.6 | 300 | 7.87 | 2130 | 12.3 | 40 | 990 | 160 | 20 | |
| | 31-May-02 | 51.7 | 48 | 7.17 | 2340 | 15.3 | 80 | 880 | 127 | 20 | |
| | 12-Dec-03 | 55.2 | 25 | 7.40 | 1840 | 11.2 | 37 | 770 | 121 | 7 | |
| | 3-Jun-03 | 75.5 | 90 | -- | -- | -- | 41 | 1180 | 156 | 22 | |
| | 8-Dec-03 | 67.0 | 115 | 8.75 | 2210 | 11.6 | 74 | 969 | 138 | 31 | |
| | 30-Jun-04 | 62.0 | 6 | 8.37 | 2501 | 12.6 | 104 | 1450 | 161 | 7 | |
| | 19-Nov-04 | 36.9 | 2.7 | 8.19 | 2070 | 11.4 | 31 | 492 | 70 | 20 | |
| | 15-Jun-05 | 89.0 | 18.0 | 8.95 | 3320 | 14.7 | 215 | 1930 | 200 | <5 | |
| | 17-Jan-06 | 83.7 | 980.0 | 8.40 | 3970 | 6.9 | 70 | 1350 | 155 | 14 | |
| | 29-Jun-06 | 65.4 | 36.0 | 8.48 | 3640 | 11.7 | 192 | 1070 | 109 | 7 | |
| | 28-Nov-06 | 78.2 | 258 | 8.15 | 3660 | 12.9 | 132 | 1240 | 126 | 6 | |
| | 6-Jun-07 | 64.4 | 7 | 6.94 | 3350 | 10.0 | 95 | 1280 | 131 | 17 | |
| | 12-Nov-07 | 71.7 | 3 | 7.19 | 3970 | 11.8 | 41 | 1460 | 150 | 22 | |
| | 24-Jun-08 | 46.6 | 2 | 7.89 | 3210 | 12.4 | 123 | 1240 | 118 | 8 | |
| | 17-Nov-08 | 48.5 | 4 | 7.26 | 3670 | 10.6 | 65 | 1190 | 114 | 12 | |
| | 23-Jun-09 | 61.0 | 3 | 7.53 | 2900 | 12.8 | 222 | 1400 | 126 | <5 | |
| | 17-Nov-09 | 69 | 40 | 8.42 | 3570 | 9.6 | 71 | 1040 | 100 | 14 | |
| | 14-Jun-10 | 120 | 4 | 9.09 | 2880 | 11.9 | 305 | 1380 | 124 | <5 | |
| | 8-Nov-10 | 71 | 10 | 8.34 | 3560 | 10.9 | 113 | 1110 | 1030 | 23 | |
| | 20-Jun-11 | 52.4 | 3 | 9.18 | 2380 | 11.1 | 330 | 965 | 91 | <5 | |
| | 14-Nov-11 | 62.0 | 1 | 8.09 | 3420 | 11.4 | 116 | 1000 | 94 | 6 | |
| | 25-Jun-12 | 53.0 | 3 | 7.40 | 3070 | 12.0 | 180 | 863 | 83 | 32 | |
| Duplicate | 25-Jun-12 | 52.0 | 3 | 7.40 | 3070 | 12.0 | 183 | 882 | 86 | 5 | |
| Duplicate | 5-Dec-12 | 63.5 | 4 | 7.86 | 3640 | 9.2 | 115 | 1050 | 97 | 10 | |
| | 5-Dec-12 | 63.5 | 4 | 7.86 | 3630 | 9.2 | 104 | 990 | 88 | 10 | |
| Duplicate | 6-Jun-13 | 50.2 | 5 | 9.11 | 2210 | 11.2 | 323 | 936 | 87 | <5 | |
| | 4-Nov-13 | 58.9 | <1 | 7.96 | 3100 | 10.9 | 129 | 819 | 73 | 8 | |
| | 23-Jun-14 | 49.2 | 58 | 8.84 | 2290 | 12.3 | 196 | 860 | 82 | <5 | |
| | 25-Jun-15 | 36.6 | 3 | 7.60 | 1831 | 11.5 | 452 | 437 | 42 | 27 | |
| | 21-Jun-16 | 39.8 | <3 | 8.46 | 1866 | 12.0 | 317 | 645 | 55 | <5 | |
| | 21-Jun-16 | 39.9 | <3 | 8.46 | 1867 | 12.0 | 315 | 659 | 54 | <5 | |
| | 19-Jun-17 | 40.1 | <3 | 9.43 | 1716 | 12.9 | 317 | 554 | 52 | <5 | |
| | 11-Jun-18 | 35.1 | 50 | 7.93 | 1894 | 11.0 | 288 | 435 | 43 | <5 | |
| | 29-May-19 | 38.4 | <3 | 7.90 | 1735 | 8.8 | 274 | 481 | 42 | <5 | |
| | 15-Jun-20 | 22.6 | <3 | 8.83 | 1000 | 14.9 | 409 | 134 | 14 | <5 | |
| | 16-Jun-21 | 36.5 | <3 | 8.09 | 1920 | 17.9 | 252 | 385 | 35 | <5 | |
| | 6-Jun-22 | 30.2 | <3 | 8.07 | 1670 | 11.7 | 209 | 331 | 34 | <5 | |
| | 6-Jun-23 | 28.9 | <3 | 7.83 | 1850 | 12.7 | 170 | 320 | 31 | 5 | |
| 4-Jun-24 | 29.0 | 13.2 | 8.04 | 1681 | 15.8 | 237 | 310 | 33 | 5 | | |
| | 3-Jun-25 | 25.0 | <3 | 8.20 | 1212 | 12.5 | 235 | 268 | 28 | <5 | |

See notes on page 6.



TABLE 2
RACER Trust - Coldwater Road
Landfill Leak Detection Sumps - Historical Analytical Results
Inorganics and Metals

| Sump | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|---|-----------------|----------------------|--------------|-------------|-------------|-------------|-------------------------|------------|-----------|-----------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| <i>EGLE Residential Drinking Water Criteria & RBSLs</i> | | | | | | | | | | |
| | | | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 |
| Sump B | 23-Mar-95 | 800.0 | 310 | 12.10 | 7100 | -- | 220 | 14000 | 1700 | 91 |
| | 30-Aug-95 | 590.0 | 7400 | 11.50 | 4600 | -- | 220 | 9300 | 1100 | <20 |
| | 18-Jun-96 | 36.0 | <10 | 8.60 | 720 | -- | 100 | 760 | 100 | <20 |
| | 11-Nov-96 | 340.0 | 19 | 10.00 | 3100 | -- | 180 | 6100 | 850 | 30 |
| | 7-May-97 | 184.0 | 963 | 8.49 | 2340 | 8.1 | 150 | 3910 | 607 | 10 |
| | 5-Nov-97 | 53.0 | 20 | 7.20 | 1600 | 10.0 | 50 | 1050 | 204 | 10 |
| | 5-May-98 | 241.0 | 24 | 9.60 | 3010 | 9.2 | 280 | 5600 | 644 | 10 |
| | 6-Nov-98 | 177.0 | 438 | 7.80 | 2950 | 12.1 | 100 | 2690 | 558 | <10 |
| | 26-Apr-99 | 75.0 | 10600 | 10.20 | 835 | 8.9 | 30 | 500 | 238 | <10 |
| | 22-Oct-99 | 126.0 | 1604 | 8.10 | 1410 | 11.9 | 30 | 750 | 387 | <10 |
| | 20-Jun-00 | 49.2 | 4 | 9.10 | 1880 | 12.6 | 160 | 1180 | 160 | <10 |
| | 10-Nov-00 | 78.2 | 80 | 8.60 | 1460 | 11.5 | 70 | 1170 | 205 | <10 |
| | 24-May-01 | 101.0 | 502 | 9.08 | 2800 | 10.4 | 120 | 1490 | 225 | <10 |
| | 16-Nov-01 | 189.0 | 13 | 9.50 | 3310 | 12.4 | 290 | 3050 | 426 | <10 |
| | 31-May-02 | 65.7 | 434 | 7.23 | 2530 | 14.7 | 160 | 1070 | 154 | <10 |
| | 12-Dec-03 | 118.0 | 15 | 8.90 | 2150 | 11.4 | 215 | 1790 | 260 | 27 |
| | 3-Jun-03 | 113.0 | 44 | -- | -- | -- | 118 | 1510 | 216 | <5 |
| | 8-Dec-03 | 87.8 | 22 | 7.13 | 1990 | 11.5 | 170 | 1380 | 199 | 45 |
| | 30-Jun-04 | 110 | 14 | 8.10 | 1598 | 12.5 | 508 | 1880 | 225 | 7 |
| | 19-Nov-04 | 66.2 | 2 | 8.23 | 2690 | 11.5 | 148 | 1100 | 163 | 13 |
| 15-Jun-05 | 84.0 | 8 | 8.80 | 3200 | 14.1 | 324 | 1050 | 160 | 19 | |
| 5-Dec-05 | 35.7 | 6 | 7.10 | 2290 | 10.5 | 81 | 374 | 56 | 22 | |
| 29-Jun-06 | 26.6 | 6 | 7.74 | 1650 | 10.9 | 156 | 358 | 48 | 23 | |
| 28-Nov-06 | 47.5 | 6 | 8.17 | 2300 | 12.5 | 142 | 526 | 72 | 25 | |
| Duplicate | 28-Nov-06 | 59.8 | -- | 8.19 | 2370 | 12.5 | 142 | 522 | 72 | 15 |
| | 6-Jun-07 | 32.2 | 2 | 6.59 | 1950 | 9.8 | 18 | 275 | 46 | 18 |
| | 12-Nov-07 | 22.6 | 1 | 7.91 | 2060 | 12.2 | 28 | 226 | 32 | 24 |
| | 24-Jun-08 | 45.9 | 6 | 8.19 | 2430 | 11.9 | 659 | 877 | 99 | 16 |
| Duplicate | 17-Nov-08 | 41.5 | 19 | 6.48 | 2560 | 10.6 | 401 | 767 | 91 | 20 |
| | 17-Nov-08 | 39.8 | 38 | 6.48 | 2550 | 10.6 | 399 | 763 | 91 | 23 |
| | 23-Jun-09 | 52.3 | 1 | 7.44 | 2250 | 13.2 | 685 | 696 | 82 | 17 |
| | 17-Nov-09 | 52 | 2 | 8.06 | 2610 | 10.6 | 269 | 579 | 73 | 39 |
| | 14-Jun-10 | 90 | 3 | 7.90 | 2720 | 12.4 | 908 | 1050 | 118 | 21 |
| | 8-Nov-10 | 78 | 1 | 8.08 | 3450 | 12.1 | 163 | 669 | 76 | 8 |
| | 20-Jun-11 | 75.5 | 5 | 8.10 | 2520 | 11.9 | 1070 | 867 | 97 | 7 |
| | 14-Nov-11 | 83.0 | 3 | 8.09 | 3390 | 11.6 | 628 | 914 | 111 | 8 |
| | 25-Jun-12 | 82.0 | 5 | 7.46 | 3240 | 12.4 | 657 | 1000 | 124 | 13 |
| | 5-Dec-12 | 89.0 | 3 | 8.18 | 3830 | 9.5 | 352 | 904 | 111 | 17 |
| | 6-Jun-13 | 77.4 | 3 | 8.98 | 2150 | 10.2 | 1490 | 1060 | 104 | <5 |
| | 4-Nov-13 | 79.0 | 2 | 8.04 | 3590 | 10.8 | 516 | 749 | 87 | 11 |
| | 23-Jun-14 | 64.8 | 1 | 7.90 | 2520 | 12.1 | 735 | 563 | 65 | 11 |
| | 25-Jun-15 | 79.1 | 2 | 7.68 | 3430 | 11.9 | 349 | 689 | 93 | 12 |
| | 21-Jun-16 | 86.0 | 4 | 6.70 | 3260 | 12.4 | 935 | 796 | 77 | 20 |
| | 19-Jun-17 | 69.6 | <3 | 8.10 | 2680 | 13.9 | 649 | 526 | 65 | 12 |
| | 11-Jun-18 | 53.2 | 59 | 7.67 | 2360 | 10.6 | 571 | 425 | 48 | 12 |
| | 29-May-19 | 75.8 | <3 | 8.10 | 3440 | 8.9 | 459 | 482 | 60 | 13 |
| | 15-Jun-20 | 71.4 | <3 | 7.88 | 3340 | 15.8 | 498 | 436 | 48 | 15 |
| | 16-Jun-21 | 78.4 | <3 | 8.05 | 3850 | 14.4 | 609 | 477 | 56 | 12 |
| | 7-Jun-22 | 71.0 | <3 | 7.95 | 4090 | 11.3 | 520 | 445 | 49 | 19 |
| | 6-Jun-23 | 72.1 | <3 | 7.88 | 3300 | 15.8 | 676 | 426 | 46 | 20 |
| | 4-Jun-24 | 57.0 | 4 | 7.95 | 2910 | 15.0 | 760 | 332 | 41 | 14 |
| | 3-Jun-25 | 65.5 | <3 | 7.99 | 2990 | 11.3 | 763 | 394 | 46 | 14 |

See notes on page 6.



TABLE 2
RACER Trust - Coldwater Road
Landfill Leak Detection Sumps - Historical Analytical Results
Inorganics and Metals

| Sump | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|---|-----------------|----------------------|--------------|-------------|-------------|-------------|-------------------------|-------------|------------|----------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| <i>EGLE Residential Drinking Water Criteria & RBSLs</i> | | | | | | | | | | |
| | | | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 |
| Sump C | 23-Mar-95 | 750.0 | 18 | 11.80 | 6000 | -- | 21 | 18000 | 2400 | 36 |
| | 30-Aug-95 | 660.0 | 30000 | 10.90 | 4900 | -- | 21 | 15000 | 2100 | 26 |
| | 18-Jun-96 | 280.0 | 1200 | 9.10 | 2700 | -- | <20 | 5100 | 820 | <20 |
| | 11-Nov-96 | 730.0 | 93 | 10.00 | 5200 | -- | <20 | 15000 | 2500 | 50 |
| | 7-May-97 | 433.0 | 1200 | 8.58 | 4210 | 10.0 | 10 | 10200 | 2070 | 40 |
| | 5-Nov-97 | 289.0 | 83 | 8.30 | 3400 | 10.0 | <10 | 3150 | 1320 | 20 |
| | 5-May-98 | 235.0 | 24 | 9.80 | 3520 | 9.8 | 60 | 5640 | 891 | 10 |
| | 6-Nov-98 | 418.0 | 164 | 7.90 | 4590 | 11.9 | <10 | 4660 | 145 | <10 |
| | 26-Apr-99 | 278.0 | 24 | 9.50 | 2520 | 8.6 | <10 | 1730 | 1148 | <10 |
| | 22-Oct-99 | 351.0 | 1604 | 8.20 | 1210 | 12.1 | <10 | 1330 | 1050 | <10 |
| | 20-Jun-00 | 156.0 | 12 | 8.50 | 2270 | 11.9 | <10 | 3370 | 802 | <10 |
| | 10-Nov-00 | 250.0 | 30 | 8.40 | 1920 | 11.4 | <10 | 620 | 998 | <10 |
| | 24-May-01 | 200.0 | 120 | 9.01 | 3660 | 10.3 | <10 | 4950 | 1110 | 20 |
| | 16-Nov-01 | 269.0 | 191 | 8.54 | 3930 | 12.1 | 10 | 5470 | 1800 | 10 |
| | 31-May-02 | 113.0 | 24 | 7.23 | 2530 | 14.4 | <10 | 2510 | 612 | 10 |
| | 12-Dec-03 | 198.0 | 18 | 8.10 | 4100 | 11.2 | 12 | 3020 | 1060 | 15 |
| | 3-Jun-03 | 178.0 | 34 | -- | -- | -- | 15 | 4790 | 1030 | 8 |
| | 8-Dec-03 | 85.2 | 742 | 7.96 | 2140 | 11.9 | 9 | 607 | 708 | 62 |
| | 30-Jun-04 | 96.0 | 10 | 8.45 | 2708 | 12.0 | 46 | 2470 | 539 | 5 |
| | 19-Nov-04 | 126 | 16 | 8.38 | 3200 | 11.6 | 32 | 3190 | 874 | 13 |
| 15-Jun-05 | 95 | 10 | 7.20 | 2950 | 14.3 | 21 | 2350 | 505 | 16 | |
| Duplicate | 5-Dec-05 | 56.7 | 12 | 7.90 | 2830 | 10.9 | 30 | 1570 | 363 | 12 |
| | 7-Dec-05 | 62.0 | 2 | -- | 2860 | -- | 28 | 1700 | 364 | <10 |
| | 29-Jun-06 | 145.7 | 20 | 8.52 | 3810 | 11.4 | 25 | 3030 | 847 | 8 |
| | 28-Nov-06 | 60.3 | 6 | 7.96 | 2340 | 12.9 | 43 | 1380 | 353 | <5 |
| | 6-Jun-07 | 3.9 | 1 | 6.97 | 2650 | 11.0 | 44 | 1570 | 365 | <5 |
| | 12-Nov-07 | 83.7 | 1 | 8.22 | 3660 | 12.2 | 44 | 2080 | 543 | 8 |
| | 24-Jun-08 | 65.4 | 5 | 7.89 | 3530 | 13.0 | 8 | 1820 | 456 | 22 |
| | 17-Nov-08 | 120.0 | 10 | 8.19 | 4510 | 10.6 | 30 | 2940 | 939 | 22 |
| | 23-Jun-09 | 139.0 | 9 | 8.16 | 4240 | 12.7 | 25 | 3600 | 800 | 7 |
| | 17-Nov-09 | 90 | 4 | 7.91 | 3940 | 11.1 | 22 | 2280 | 447 | 12 |
| Duplicate | 17-Nov-09 | 98 | 7 | 7.91 | 3950 | 11.1 | 21 | 2260 | 438 | 12 |
| | 14-Jun-10 | 120 | 14 | 8.06 | 4580 | 11.9 | 32 | 3200 | 714 | 18 |
| | 8-Nov-10 | 130 | 4 | 7.82 | 4910 | 12.1 | 55 | 3170 | 555 | 10 |
| Duplicate | 20-Jun-11 | 112 | 5 | 9.24 | 4560 | 12.1 | 133 | 2670 | 639 | <5 |
| | 20-Jun-11 | 112 | 7 | 9.24 | 4570 | 12.1 | 129 | 2580 | 623 | <5 |
| Duplicate | 14-Nov-11 | 134 | 8 | 8.25 | 5320 | 11.9 | 28 | 3830 | 761 | 6 |
| | 25-Jun-12 | 114 | 8 | 8.06 | 5380 | 12.2 | 29 | 3820 | 611 | 16 |
| | 5-Dec-12 | 121.7 | 6 | 8.30 | 5430 | 10.4 | 24 | 4130 | 580 | 8 |
| | 6-Jun-13 | 111.0 | 5 | 7.83 | 4950 | 10.9 | 25 | 3390 | 504 | 7 |
| | 4-Nov-13 | 132.0 | 1 | 8.16 | 5150 | 11.3 | 38 | 3410 | 539 | 7 |
| | 23-Jun-14 | 118.0 | 3 | 8.01 | 5040 | 11.2 | 17 | 3010 | 461 | 8 |
| | 25-Jun-15 | 122.0 | 3 | 7.93 | 4050 | 11.2 | 29 | 2870 | 539 | 14 |
| | 21-Jun-16 | 203.0 | 6 | 8.23 | 5170 | 12.2 | 37 | 4230 | 844 | 8 |
| | 19-Jun-17 | 108.0 | 3 | 8.06 | 4810 | 13.3 | 25 | 1880 | 505 | 8 |
| | 11-Jun-18 | 56.6 | 91 | 7.80 | 3150 | 11.3 | 80 | 1010 | 232 | 7 |
| Duplicate | 11-Jun-18 | 51.4 | 26 | 7.80 | 3170 | 11.3 | 83 | 1030 | 235 | 9 |
| | 29-May-19 | 43.0 | <3 | 7.88 | 2240 | 9.5 | 105 | 690 | 162 | 8 |
| Duplicate | 16-Jun-20 | 14.8 | <3 | 8.34 | 1316 | 12.3 | 143 | 155 | 27 | <5 |
| | 16-Jun-20 | 15.6 | <3 | 8.34 | 1312 | 12.3 | 142 | 159 | 27 | 5 |
| Duplicate | 16-Jun-21 | 108 | <3 | 7.98 | 4860 | 19.4 | 17 | 2080 | 460 | 10 |
| | 16-Jun-21 | 107 | <3 | 7.98 | 4890 | 19.4 | 17 | 2040 | 453 | 9 |
| Duplicate | 7-Jun-22 | 101 | 7 | 7.84 | 4230 | 11.9 | 46 | 1650 | 349 | 5 |
| | 7-Jun-22 | 105 | 8 | 7.84 | 4250 | 11.9 | 47 | 1660 | 349 | <5 |
| Duplicate | 6-Jun-23 | 85.1 | 4.0 | 7.92 | 3490 | 19.02 | 43 | 1270 | 284 | 6 |
| | 6-Jun-23 | 84.7 | <3 | 7.92 | 3490 | 19.02 | 42 | 1290 | 286 | 6 |
| Duplicate | 4-Jun-24 | 75.0 | 5.7 | 8.37 | 3880 | 23.1 | 91 | 1580 | 287 | 5 |
| | 4-Jun-24 | 77.0 | 6.5 | 8.37 | 3890 | 23.1 | 89 | 1550 | 287 | <5 |
| Duplicate | 3-Jun-25 | 69.1 | <3 | 8.17 | 3930 | 12.1 | 76 | 1070 | 252 | 6 |
| Duplicate | 3-Jun-25 | 68.5 | <3 | 8.17 | 3940 | 12.1 | 76 | 1050 | 253 | 5 |

See notes on page 6.



TABLE 2
RACER Trust - Coldwater Road
Landfill Leak Detection Sumps - Historical Analytical Results
Inorganics and Metals

| Sump | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|--|-----------------|----------------------|--------------|--------------|-------------|-------------|-------------------------|-------------|------------|-----------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| EGLE Residential Drinking Water Criteria & RBSLs | | | | | | | | | | |
| | | | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 |
| Sump D | 23-Mar-95 | 650.0 | 45 | 12.30 | 8400 | -- | 360 | 7800 | 1600 | <20 |
| | 30-Aug-95 | 550.0 | 69000 | 12.00 | 6400 | -- | 260 | 6100 | 1400 | <20 |
| | 18-Jun-96 | 300.0 | 230 | 11.00 | 3300 | -- | 100 | 3100 | 850 | <20 |
| | 11-Nov-96 | 660.0 | 3500 | 12.00 | 5700 | -- | 220 | 7200 | 1800 | 30 |
| | 7-May-97 | 331.0 | 432 | 9.14 | 4020 | 10.2 | 30 | 4110 | 1330 | <10 |
| | 5-Nov-97 | 208.0 | 546 | 8.80 | 3400 | 10.2 | 20 | 3000 | 1020 | 20 |
| | 5-May-98 | 251.0 | <1 | 10.60 | 4200 | 9.7 | 110 | 3810 | 1120 | 10 |
| | 6-Nov-98 | 193.0 | 8280 | 7.90 | 3940 | 11.4 | 10 | 2530 | 101 | <10 |
| | 26-Apr-99 | 177.0 | 29600 | 10.50 | 1237 | 8.0 | 10 | 770 | 1013 | <10 |
| | 22-Oct-99 | 199.0 | 10748 | 8.90 | 910 | 10.9 | <10 | 70 | 735 | <10 |
| | 20-Jun-00 | 112.0 | 16 | 8.80 | 1190 | 11.6 | <10 | 430 | 656 | <10 |
| | 10-Nov-00 | 159.0 | 100 | 9.10 | 2360 | 11.5 | 20 | 760 | 831 | <10 |
| | 24-May-01 | 196.0 | 124 | 10.80 | 3900 | 10.9 | 10 | 1000 | 1270 | <10 |
| | 16-Nov-01 | 64.2 | 268 | 8.87 | 1690 | 12.0 | <10 | 100 | 414 | <10 |
| | 31-May-02 | 72.3 | 137 | 7.23 | 2020 | 14.3 | <10 | 210 | 445 | <10 |
| | 3-Jun-03 | 80.8 | 6 | -- | -- | -- | 7 | 878 | 540 | <5 |
| | 8-Dec-03 | 48.8 | 392 | 8.18 | 2470 | 10.9 | 7 | 651 | 423 | 18 |
| | 12-Dec-03 | 130.0 | 4 | 8.80 | 1430 | 11.5 | 11 | 926 | 798 | <5 |
| | 30-Jun-04 | 160.0 | 34 | 10.20 | 3601 | -- | 25 | 1670 | 1320 | <5 |
| | 19-Nov-04 | 157 | 14 | 10.39 | 4320 | 11.4 | 34 | 1550 | 1680 | 8 |
| 15-Jun-05 | 79 | 8 | 11.10 | 3160 | 12.2 | 14 | 737 | 822 | <5 | |
| Duplicate | 15-Jun-05 | 76.0 | 26.0 | -- | -- | -- | 12 | 724 | 812 | <5 |
| | 5-Dec-05 | 123.0 | 6.0 | 8.20 | 5320 | 10.9 | 35 | 1420 | 1340 | <5 |
| | 29-Jun-06 | 87.6 | 14.0 | 9.97 | 4120 | 12.4 | 16 | 714 | 995 | 5 |
| | 28-Nov-06 | 128.9 | 2 | 10.10 | 5180 | 12.9 | 23 | 651 | 1300 | <5 |
| | 6-Jun-07 | 157.0 | 11 | 9.25 | 5980 | 11.0 | 62 | 955 | 1770 | <5 |
| | 12-Nov-07 | 115.0 | 78 | 10.20 | 5550 | 11.7 | 34 | 1680 | 1480 | 8 |
| Duplicate | 12-Nov-07 | 109.0 | 28 | 10.23 | 5550 | 11.7 | 31 | 1540 | 1400 | 3 |
| | 24-Jun-08 | 99.5 | 7 | 9.92 | 6170 | 11.8 | 20 | 990 | 1640 | 7 |
| | 17-Nov-08 | 295.0 | 2 | 11.11 | 6220 | 10.8 | 62 | 2460 | 2090 | 5 |
| | 23-Jun-09 | 308.0 | 7 | 10.91 | 6210 | 14.8 | 88 | 2170 | 1990 | <5 |
| | 17-Nov-09 | 130 | 10 | 9.78 | 4870 | 11.6 | 37 | 2240 | 1180 | <5 |
| | 14-Jun-10 | 15 | 12 | 10.01 | 4880 | 12.0 | 62 | 1160 | 1340 | 5 |
| Duplicate | 14-Jun-10 | 150 | 12 | 10.01 | 4860 | 12.0 | 62 | 1180 | 1340 | 6 |
| | 8-Nov-10 | 170 | 2 | 10.11 | 5830 | 12.6 | 119 | 1220 | 1520 | <5 |
| | 20-Jun-11 | 99.5 | 9 | 11.72 | 3470 | 12.0 | 97 | 645 | 413 | <5 |
| | 14-Nov-11 | 332.0 | 4 | 10.49 | 6440 | 11.6 | 92 | 3350 | 2200 | <5 |
| | 25-Jun-12 | 282.0 | 10 | 10.11 | 6220 | 12.4 | 126 | 1730 | 2190 | <5 |
| | 5-Dec-12 | 181.7 | 8 | 9.95 | 6070 | 8.8 | 81 | 1360 | 1610 | 5 |
| | 6-Jun-13 | 227.0 | 4 | 10.46 | 5570 | 10.7 | 66 | 1710 | 1440 | 5 |
| Duplicate | 4-Nov-13 | 204.0 | 3 | 10.11 | 5740 | 11.4 | 78 | 2190 | 1400 | 6 |
| | 4-Nov-13 | 208.0 | 2 | 10.11 | 5760 | 11.4 | 75 | 2140 | 1370 | <5 |
| | 23-Jun-14 | 149.0 | 4 | 10.01 | 6350 | 12.6 | 37 | 890 | 1340 | 7 |
| Duplicate | 23-Jun-14 | 150.0 | 4 | 10.01 | 6360 | 12.6 | 37 | 916 | 1360 | 9 |
| | 25-Jun-15 | 131.0 | 8 | 9.83 | 6060 | 11.6 | 52 | 1310 | 1500 | 11 |
| | 21-Jun-16 | 334.0 | 6 | 11.49 | 6380 | 13.3 | 140 | 3410 | 1460 | 9 |
| | 19-Jun-17 | 268.0 | <3 | 10.75 | 5830 | 13.9 | 61 | 1220 | 1460 | 5 |
| | 11-Jun-18 | 256.0 | <3 | 10.69 | 6140 | 12.0 | 67 | 1250 | 1350 | <5 |
| | 29-May-19 | 192.0 | <3 | 10.73 | 5430 | 9.5 | 53 | 983 | 1130 | 6 |
| | 16-Jun-20 | 280.0 | <3 | 12.44 | 5840 | 12.5 | 140 | 1380 | 946 | <5 |
| | 16-Jun-21 | 237 | 4 | 11.98 | 5200 | 21.8 | 174 | 1420 | 893 | 6 |
| | 7-Jun-22 | 170 | 6 | 12.22 | 4310 | 13.2 | 355 | 825 | 510 | <5 |
| | 7-Jun-23 | 106 | <3 | 10.23 | 4500 | 16.6 | 57 | 669 | 538 | <5 |
| | 4-Jun-24 | 72.0 | 4 | 10.26 | 3510 | 24.7 | 402 | 687 | 337 | <5 |
| | 3-Jun-25 | 105 | <3 | 11.26 | 3600 | 12.5 | 261 | 764 | 416 | 12 |

See notes on page 6.



TABLE 2
RACER Trust - Coldwater Road
Landfill Leak Detection Sumps - Historical Analytical Results
Inorganics and Metals

| Sump | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|--|-----------------|----------------------|--------------|-------------|-------------|-------------|-------------------------|-------------|-----------|--------------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| <i>EGLE Residential Drinking Water Criteria & RBLS</i> | | | | | | | | | | |
| | | | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 |
| Sump E | 23-Mar-95 | 250.0 | 1400 | 11.70 | 4000 | -- | 79 | 1500 | 850 | <20 |
| | 30-Aug-95 | 120.0 | 37000 | 9.70 | 2100 | -- | 25 | 980 | 270 | <20 |
| | 18-Jun-96 | 9.6 | 2000 | 7.60 | 1800 | -- | <20 | <20 | <20 | 40 |
| | 11-Nov-96 | 23.0 | 2200 | 8.20 | 1800 | -- | <20 | 20 | 50 | <20 |
| | 7-May-97 | 6.0 | 188 | 6.76 | 1560 | 9.7 | <10 | <10 | 30 | 90 |
| | 11/05/97 | 10.0 | 3370 | 7.00 | 1600 | 10.0 | <10 | 10 | 72 | 30 |
| | 5-May-98 | 10.0 | 13300 | 7.00 | 1750 | 10.1 | <10 | 20 | 23 | 40 |
| | 6-Nov-98 | 5.0 | 2500 | 5.60 | 1500 | 11.9 | <10 | 60 | 11 | 40 |
| | 26-Apr-99 | 8.6 | 7720 | 7.70 | 1428 | 8.2 | <10 | 30 | 22 | <10 |
| | 22-Oct-99 | 4.7 | 3485 | 6.80 | 1115 | 10.8 | <10 | 50 | 10 | 30 |
| | 20-Jun-00 | 7.0 | 2 | 6.80 | 1410 | 12.4 | <10 | 20 | <10 | 20 |
| | 10-Nov-00 | 3.2 | <1 | 7.30 | 1550 | 11.4 | <10 | 30 | 7 | 20 |
| | 24-Feb-01 | 9.0 | 292 | 7.98 | 1660 | 10.6 | <10 | 20 | 7 | 20 |
| | 16-Nov-01 | 4.4 | 350 | 7.26 | 1240 | 12.2 | <10 | 10 | 23 | 30 |
| | 31-May-02 | 10.1 | 9 | 7.24 | 1470 | 14.6 | <10 | 90 | 62 | 30 |
| | 12-Dec-03 | 4.5 | 310 | 7.70 | 1490 | 11.1 | <5 | 21 | 12 | <5 |
| | 3-Jun-03 | 9.0 | 1884 | -- | -- | -- | <5 | 20 | 11 | 7 |
| | 8-Dec-03 | 22.4 | 331 | 7.25 | 1320 | 11.4 | 63 | 132 | 53 | 34 |
| | 30-Jun-04 | 5.8 | 5 | 7.83 | 1061 | -- | <5 | 8 | 13 | 33 |
| | 19-Nov-04 | 6.2 | 2 | 7.62 | 1380 | 11.8 | 19 | 14 | 16 | 16 |
| | 15-Jun-05 | 230.0 | 10 | -- | 19920 | 16.6 | 285 | 1220 | 337 | 5 |
| | 5-Dec-05 | 257.0 | 396 | 7.30 | 9460 | 10.7 | 142 | 514 | 232 | <5 |
| | 29-Jun-06 | 11.4 | 4 | 8.23 | 1690 | 11.6 | 18 | 48 | 34 | 6 |
| 28-Nov-06 | 45.6 | <1 | 8.11 | 2220 | 12.9 | 29 | 728 | 180 | <5 | |
| Duplicate | 6-Jun-07 | 6.9 | 3 | 6.41 | 1630 | 11.6 | 12 | 13 | 10 | 23 |
| | 6-Jun-07 | 6.7 | 4 | -- | 1630 | -- | 11 | 15 | 10 | 20 |
| 12-Nov-07 | 5.6 | 3 | 7.34 | 1570 | 12.0 | 5 | 11 | 14 | 19 | |
| 24-Jun-08 | 3.8 | 3 | 7.35 | 1600 | 11.5 | <5 | 6 | 6 | 9 | |
| 17-Nov-08 | 4.9 | 1 | 7.34 | 1660 | 11.3 | 24 | 10 | 7 | 13 | |
| Duplicate | 23-Jun-09 | 4.7 | <1 | 6.93 | 1600 | 11.6 | <5 | 6 | 6 | 14 |
| | 23-Jun-09 | 3.5 | 1 | 6.93 | 1580 | 11.6 | <5 | 6 | 5 | 15 |
| 17-Nov-09 | 5 | 1 | 7.44 | 1520 | 11.2 | <5 | 4 | 20 | 24 | |
| 14-Jun-10 | 6 | 4 | 7.55 | 1530 | 12.7 | 17 | 8 | <5 | 17 | |
| Duplicate | 8-Nov-10 | 6 | 2 | 7.44 | 1647 | 12.5 | 18 | 10 | 9 | 101 |
| | 8-Nov-10 | 6 | 3 | 7.44 | 1647 | 12.5 | 16 | 10 | 9 | 108 |
| 20-Jun-11 | 7.6 | <1 | 8.81 | 1760 | 12.2 | 7 | 20 | 15 | 12 | |
| Duplicate | 14-Nov-11 | 15.0 | <1 | 7.81 | 1856 | 11.7 | 5 | 67 | 25 | 10 |
| | 14-Nov-11 | 15.0 | 2 | 7.81 | 1864 | 11.7 | <5 | 69 | 24 | 10 |
| 25-Jun-12 | 12.0 | 4 | 7.58 | 2150 | 13.1 | 7 | 40 | 14 | 5 | |
| 5-Dec-12 | 26.5 | 3 | 8.01 | 2670 | 10.0 | 9 | 124 | 51 | 11 | |
| 6-Jun-13 | 17.2 | <1 | 6.72 | 2190 | 9.8 | 5 | 60 | 32 | 6 | |
| 4-Nov-13 | 14.3 | <1 | 7.92 | 2020 | 11.5 | 10 | 45 | 21 | <5 | |
| 23-Jun-14 | 29.1 | 3 | 8.01 | 2250 | 15.2 | 45 | 271 | 44 | 6 | |
| Duplicate | 25-Jun-15 | 21.7 | 3 | 7.70 | 2220 | 11.6 | 15 | 151 | 34 | 8 |
| | 25-Jun-15 | 21.9 | 3 | 7.69 | 2230 | 11.6 | 14 | 143 | 33 | 7 |
| 21-Jun-16 | 19.1 | 3 | 7.30 | 2340 | 13.1 | 6 | 86 | 21 | 9 | |
| Duplicate | 19-Jun-17 | 13.7 | 184 | -- | 1750 | -- | <5 | 31 | 24 | <5 |
| | 19-Jun-17 | 13.8 | 132 | -- | 1750 | -- | <5 | 32 | 19 | 8 |
| 11-Jun-18 | 23.1 | 20 | 8.02 | 1686 | 11.7 | 160 | 164 | 35 | <5 | |
| Duplicate | 29-May-19 | 23.9 | 3 | 8.08 | 1866 | 9.4 | 33 | 177 | 42 | 7 |
| | 29-May-19 | 23.9 | 24 | 8.08 | 1861 | 9.4 | 36 | 177 | 43 | 7 |
| 16-Jun-20 | 22.8 | <3 | 8.08 | 1522 | 14.7 | 52 | 138 | 30 | 6 | |
| 16-Jun-21 | 17.1 | <3 | 8.63 | 1703 | 17.1 | 9 | 77 | 20 | 5 | |
| 7-Jun-22 | 17.7 | <3 | 8.09 | 1590 | 14.1 | 18 | 61 | 17 | <5 | |
| 7-Jun-23 | 15.4 | <3 | 8.18 | 1720 | 20.9 | 22 | 52 | 17 | 6 | |
| 4-Jun-24 | 17.0 | <3 | 8.55 | 1763 | 24.9 | 25 | 40 | 15 | <5 | |
| | 3-Jun-25 | 20.2 | <3 | 8.50 | 1955 | 13.1 | 44 | 49 | 19 | <5 |

See notes on page 6.



TABLE 2
RACER Trust - Coldwater Road
Landfill Leak Detection Sumps - Historical Analytical Results
Inorganics and Metals

| Sump | Sample Date | Indicator Parameters | | | | | Dissolved Metals (ug/L) | | | |
|---|-----------------|----------------------|--------------|-------------|-------------|-------------|-------------------------|-------------|-----------|-----------|
| | | TOC (mg/L) | TSS (mg/L) | pH | SpC | Temp | Cr | Cu | Ni | Zn |
| <i>EGLE Residential Drinking Water Criteria & RBSLs</i> | | | | | | | | | | |
| | | | | | | | 100 (A) | 1,000 (E) | 100 (A) | 2,400 |
| Sump F | 23-Mar-95 | 300.0 | 100 | 11.80 | 4100 | -- | 61 | 3200 | 2200 | <20 |
| | 30-Aug-95 | 100.0 | 250 | 7.50 | 1600 | -- | <20 | 300 | 85 | <20 |
| | 18-Jun-96 | 5.4 | 19 | 7.40 | 1400 | -- | <20 | <20 | <20 | 40 |
| | 11-Nov-96 | 7.1 | 260 | 7.70 | 1200 | -- | <20 | <20 | 30 | 50 |
| | 7-May-97 | 5.0 | 138 | 6.54 | 1190 | 9.6 | <20 | <20 | 18 | 80 |
| | 5-Nov-97 | 5.0 | 14 | 7.10 | 1300 | 11.0 | <10 | <10 | 49 | 40 |
| | 5-May-98 | 6.0 | 635 | 7.12 | 1250 | 10.5 | <10 | <10 | 6 | 30 |
| | 6-Nov-98 | 4.0 | 14 | 6.11 | 1340 | 12.3 | <10 | 70 | 7 | 50 |
| | 26-Apr-99 | 5.3 | 38 | 8.10 | 682 | 8.2 | <10 | 40 | 27 | 10 |
| | 22-Oct-99 | 3.4 | 11 | 6.60 | 1053 | 11.3 | <10 | 30 | 6 | 20 |
| | 20-Jun-00 | 4.1 | 2 | 7.70 | 1170 | 11.4 | <10 | <10 | <5 | <10 |
| | 10-Nov-00 | 2.9 | 8 | 7.30 | 1340 | 11.1 | <10 | <10 | 30 | 30 |
| | 24-May-01 | 6.6 | 40 | 8.50 | 1310 | 10.6 | <10 | 20 | <10 | 20 |
| | 16-Nov-01 | 4.2 | 323 | 7.30 | 1070 | 12.1 | <10 | 10 | 8 | 20 |
| | 31-May-02 | 5.2 | 150 | 7.23 | 1250 | 14.8 | <10 | 20 | <5 | 160 |
| | 12-Dec-03 | 3.4 | 7 | 7.70 | 1180 | 11.3 | <5 | <5 | <5 | <5 |
| | 3-Jun-03 | 5.9 | 336 | -- | -- | -- | <5 | 12 | <5 | 21 |
| | 8-Dec-03 | 6.0 | 35 | 7.04 | 1210 | 11.3 | <5 | 14 | 15 | 33 |
| | 30-Jun-04 | 4.7 | 2 | 7.72 | 949 | 11.1 | <5 | 27 | 13 | 20 |
| | 19-Nov-04 | 6.7 | 3 | 7.86 | 1260 | 11.2 | 12 | 8 | 14 | 11 |
| | 15-Jun-05 | 13.0 | 8 | 6.37 | 1630 | 16.7 | <5 | 9 | 13 | 55 |
| | 17-Jan-06 | 33.9 | 3263 | 7.50 | 2390 | 6.6 | 107 | 475 | 124 | 12 |
| | 29-Jun-06 | 7.0 | 2 | 7.64 | 1280 | 11.6 | 16 | 38 | 11 | 29 |
| | 28-Nov-06 | 4.9 | <1 | 7.99 | 1250 | 12.9 | 5 | 18 | 9 | 8 |
| | 6-Jun-07 | 22.1 | 8 | 6.75 | 1710 | 11.7 | 11 | 74 | 22 | 10 |
| 12-Nov-07 | 3.8 | 1 | 7.74 | 1350 | 11.9 | 3 | 16 | 13 | 30 | |
| 24-Jun-08 | 4.0 | 2 | 7.97 | 1160 | 12.3 | 12 | 15 | 6 | 102 | |
| Duplicate | 24-Jun-08 | 3.9 | 1 | 7.97 | 1160 | 12.3 | 11 | 14 | 6 | 8 |
| 17-Nov-08 | 13.6 | 2 | 7.60 | 1740 | 10.9 | 29 | 87 | 81 | 11 | |
| 23-Jun-09 | 14.4 | <1 | 7.76 | 1500 | 12.2 | 43 | 100 | 30 | 9 | |
| 17-Nov-09 | 10 | 0 | 7.96 | 1570 | 10.9 | 25 | 46 | 19 | 23 | |
| 14-Jun-10 | 5 | 4 | 7.81 | 1010 | 11.7 | 9 | 15 | <5 | 12 | |
| 8-Nov-10 | 9 | <1 | 8.19 | 1260 | 12.1 | 17 | 19 | 8 | 6 | |
| 20-Jun-11 | 9 | <1 | 7.86 | 1360 | 12.8 | 16 | 25 | 11 | 13 | |
| 14-Nov-11 | 38 | 2 | 8.13 | 3170 | 11.5 | 56 | 204 | 105 | 10 | |
| 25-Jun-12 | 40 | 4 | 7.68 | 3290 | 14.1 | 48 | 335 | 108 | 17 | |
| 5-Dec-12 | 44.3 | 5 | 8.37 | 3530 | 10.0 | 13 | 264 | 104 | 13 | |
| Duplicate | 6-Jun-13 | 41.9 | 2 | 7.98 | 3580 | 10.0 | 16 | 250 | 86 | 24 |
| 6-Jun-13 | 41.4 | 1 | 7.98 | 3580 | 10.0 | 15 | 238 | 85 | 28 | |
| 4-Nov-13 | 37.6 | 1 | 8.21 | 3770 | 11.2 | 23 | 124 | 55 | 37 | |
| 23-Jun-14 | 36.6 | 3 | 8.19 | 3800 | 11.5 | 17 | 117 | 46 | 29 | |
| 25-Jun-15 | 45.2 | 3 | 7.98 | 3930 | 12.2 | 44 | 372 | 94 | 33 | |
| 21-Jun-16 | 44.0 | 3 | 7.39 | 4020 | 12.4 | 17 | 248 | 69 | 34 | |
| 19-Jun-17 | 40.4 | <3 | 8.51 | 3700 | 13.2 | 15 | 218 | 71 | 17 | |
| 11-Jun-18 | 32.2 | <3 | 8.03 | 3840 | 11.3 | 24 | 86 | 31 | 16 | |
| 29-May-19 | 33.7 | <3 | 8.18 | 3810 | 9.7 | 34 | 66 | 25 | 12 | |
| 16-Jun-20 | 35.6 | <3 | 8.16 | 3830 | 14.8 | 38 | 51 | 22 | 11 | |
| 16-Jun-21 | 32 | <3 | 8.27 | 4150 | 16.4 | 43 | 49 | 22 | 9 | |
| 7-Jun-22 | 34.0 | <3 | 8.03 | 3680 | 13.0 | 11 | 110 | 48 | 13 | |
| 7-Jun-23 | 42.6 | <3 | 8.29 | 3810 | 14.8 | 21 | 243 | 87 | 15 | |
| 4-Jun-24 | 35.0 | <3 | 8.41 | 3780 | 16.5 | 27 | 161 | 60 | 13 | |
| | 3-Jun-25 | 33.8 | <3 | 8.25 | 3720 | 12.1 | 11 | 156 | 48 | 19 |
| Equipment Blank | 24-Jun-08 | <1 | 1 | -- | 4 | -- | <5 | <1 | <5 | <5 |
| | 17-Nov-08 | 1 | 2 | -- | 4 | -- | <5 | 5 | <5 | 23 |

Notes:
 "<" - Not detected above specified detection limit.
 "NS" - Not sampled - no liquid.
 "SpC" - Specific conductivity in micro siemens (uS).
 "T" - Temperature in degrees celsius.
 "--" - Physical parameter not measured (instrument failure or duplicate sample).



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

| Parameter | Sample ID & Sample Date | | | | | | | |
|--------------------------------|-------------------------|--------------------|--------------------|---|----------------------|--------------------|--------------------|-------------------------------------|
| | Sump A 6/3/2025 | Sump B 6/3/2025 | Sump C 6/3/2025 | Sump C (SUMP-DUP- 20250603) 6/3/2025 | Sump D** 6/3/2025 | Sump E 6/3/2025 | Sump F 6/3/2025 | Trip Blank- 20250603 6/3/2025 |
| Diethyl ether | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 |
| Acetone | <50 | <50 | <50 | <50 | 1,010 | <50 | <50 | <50 |
| Methyl iodide | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Carbon disulfide | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| tert-Methyl butyl ether (MTBE) | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Acrylonitrile | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| 2-Butanone (MEK) | <25 | <25 | <25 | <25 | <250 | <25 | <25 | <25 |
| Dichlorodifluoromethane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Chloromethane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Bromomethane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Chloroethane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1-Dichloroethene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Methylene chloride | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| trans-1,2-Dichloroethene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1-Dichloroethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrahydrofuran* | <90 | <90 | <90 | <90 | <900 | <90 | <90 | <90 |
| Chloroform | <1 | <1 | <1 | <1 | <10 | <1 | <1 | 2 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 4-Methyl-2-pentanone (MIBK) | <50 | <50 | <50 | <50 | <500 | <50 | <50 | <50 |
| 2-Hexanone | <50 | <50 | <50 | <50 | <500 | <50 | <50 | <50 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Benzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2-Dichloroethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Trichloroethene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2-Dichloropropane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Dibromomethane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| cis-1,3-Dichloropropene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Toluene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| trans-1,4-Dichloro-2-butene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Dibromochloromethane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| 1,2-Dibromoethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| p,m-Xylene* | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| o-Xylene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Styrene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Bromoform | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| n-Propylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Bromobenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| tert-Butylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| p-Isopropyltoluene | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| 1,3-Dichlorobenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2,3-Trimethylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Hexachloroethane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| 1,2-Dibromo-3-chloropropane | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| 1,2,4-Trichlorobenzene | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| 1,2,3-Trichlorobenzene | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Naphthalene | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| 2-Methylnaphthalene | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |

Notes: ** Elevated reporting limit due to high target concentration.

EPA Method 8260 used for analysis.

Dup- Duplicate analysis

Analysis in µg/L



TABLE 2
RACER Trust - Coldwater Road
Sump and Vault Field Data
June 3, 2025

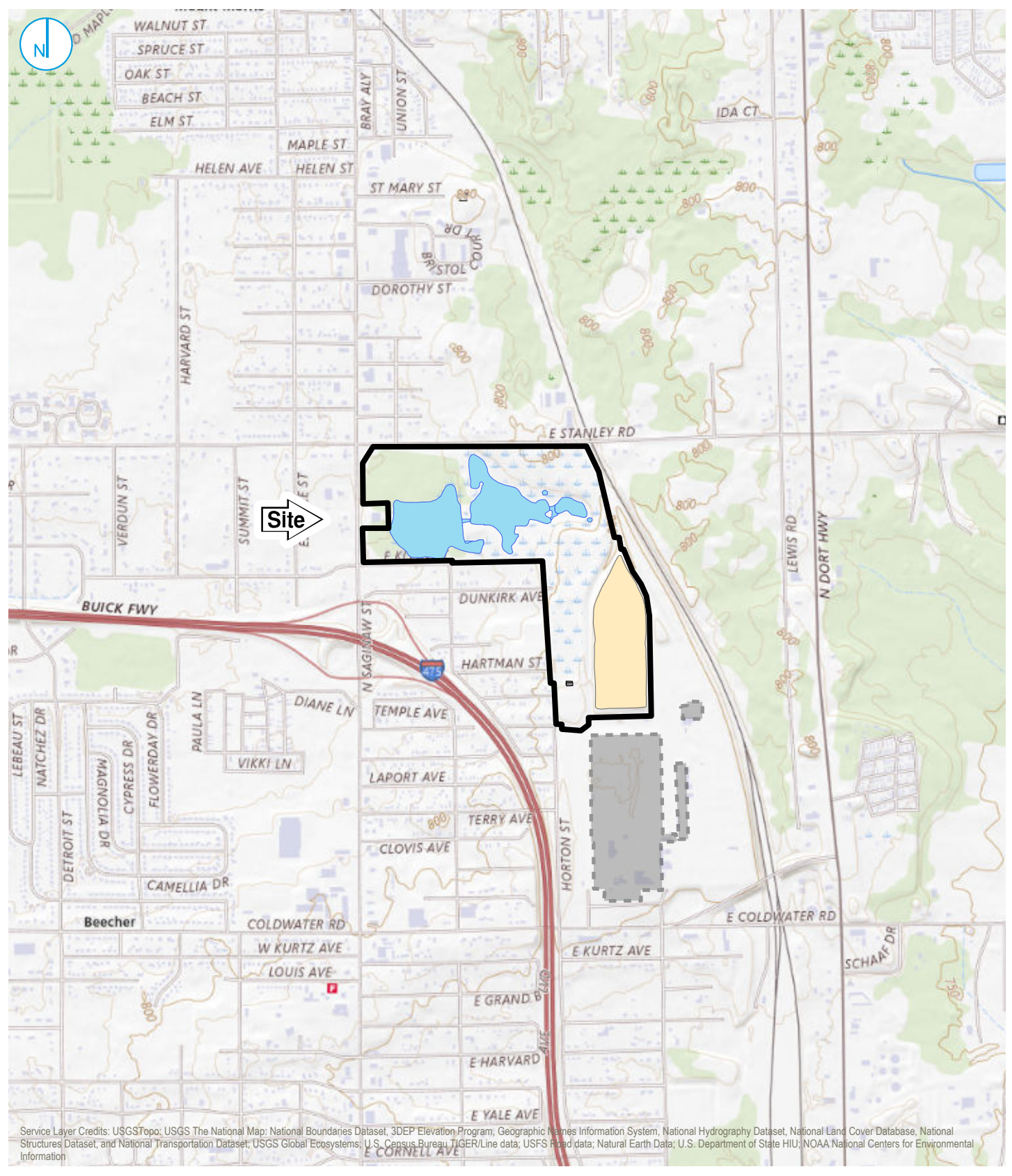
| Location | Depth to Leachate | Color | Temperature (°C) | Specific Conductivity (µS/cm) | pH | Sample Time |
|----------|-------------------|-----------------------------|------------------|-------------------------------|-------|-------------|
| Sump A | 19.80 | clear to yellowish | 12.46 | 1140 | 8.20 | 11:04 |
| Sump B | 13.31 | clear to yellowish | 11.30 | 2850 | 7.99 | 11:50 |
| Sump C | 16.59 | clear to yellowish | 12.05 | 3730 | 8.17 | 12:30 |
| Sump D | 20.25 | clear to yellowish | 12.50 | 3350 | 11.26 | 14:00 |
| Sump E | 20.03 | clear to slightly yellowish | 13.13 | 1820 | 8.50 | 14:40 |
| Sump F | 21.22 | clear to slightly yellowish | 12.13 | 3500 | 8.25 | 15:15 |
| Vault A | -- | clear | 12.33 | 1320 | 6.87 | 11:15 |
| Vault B | -- | clear | 12.12 | 940 | 6.90 | 12:05 |
| Vault C | -- | clear | 11.71 | 1640 | 6.94 | 12:40 |
| Vault D | -- | clear | 14.24 | 1520 | 6.95 | 14:15 |
| Vault E | -- | clear | 12.86 | 1090 | 6.86 | 14:50 |
| Vault F | -- | clear | 13.46 | 1520 | 7.11 | 15:25 |

Notes:

Duplicate sample Sump-DUP-20250603 was collected at Sump C.

Duplicate sample Vault-DUP-20250603 was collected at Vault C.

FIGURES








Service Layer Credits: USGSTopo; 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

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



KEY MAP (not to scale)

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



SITE LOCATION

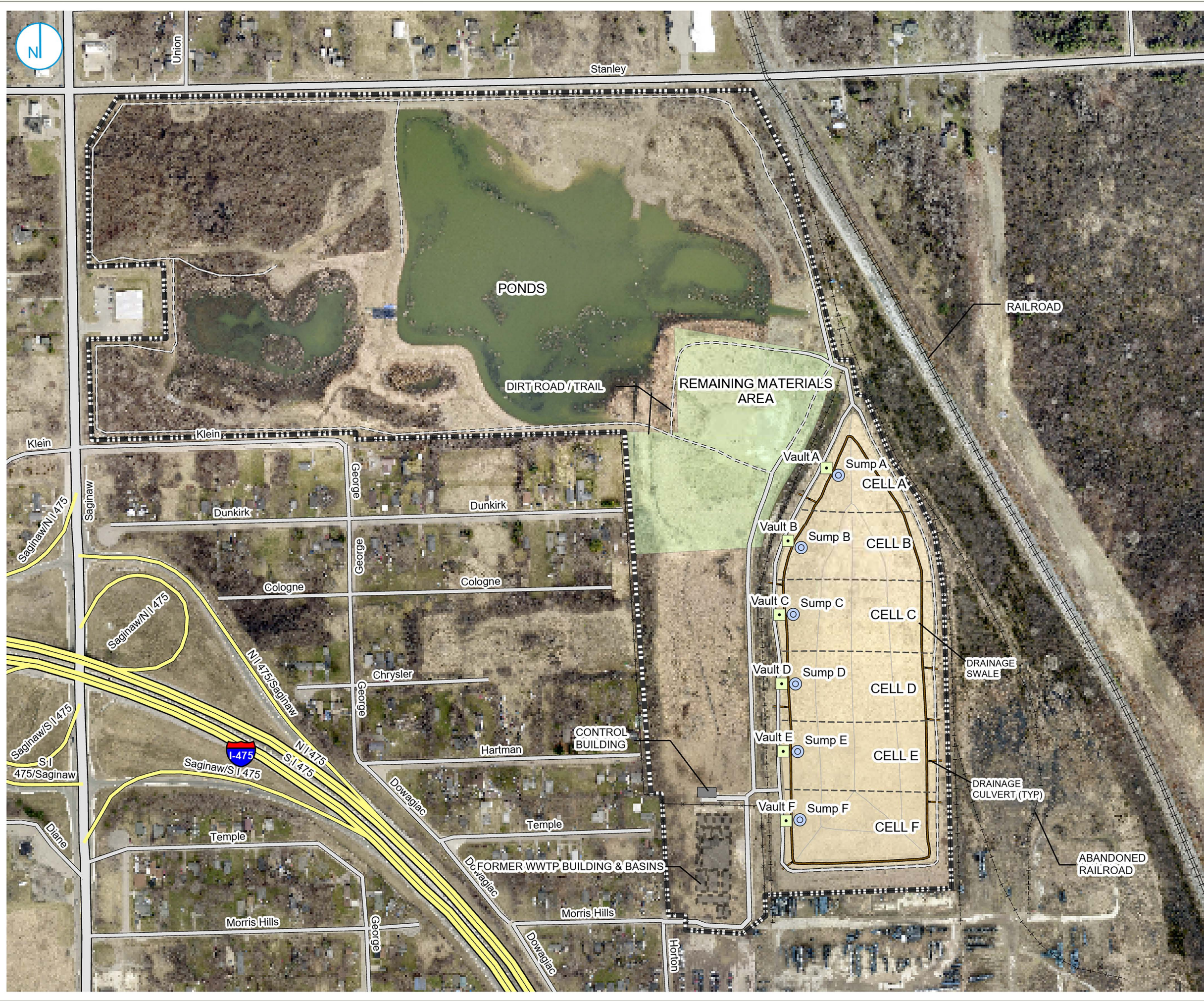
FIGURE 1

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT: 1940103462 | DATED: 2/7/2023 | DESIGNER: MONETANT
I:\Racer-Trust\1088190\GIS\Coldwater_Road\ProRACER_Coldwater_Road_2022_Annual_LDS_and_GW_Figures\prx002 - Site_Layout 2022 SA Rpts (LDS-Rpt)_02032023



- ⊙ LEACHATE COLLECTION SUMP
- ACCESS PORT FOR LEAK DETECTION VAULT
- - - PROPERTY BOUNDARY



SITE LAYOUT

RACER Trust
Coldwater Road Landfill Facility
Flint, Michigan

FIGURE 02

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



APPENDIX A
SUMMARY OF VOLUMES REMOVED



APPENDIX A
RACER Trust - Coldwater Road
Liquid Volumes Removed from Leak Detection System in 2025

| DATE 2025 | LEAK DETECTION VAULT-A | LEAK DETECTION VAULT-B | LEAK DETECTION VAULT-C | LEAK DETECTION VAULT-D | LEAK DETECTION VAULT-E | LEAK DETECTION VAULT-F | TOTAL LEAK DETECTION GALLONS | MONTHLY SUMP VOLUMES GALLONS |
|------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|-------------------------------------|
| 16-Jan-25 | 239* | 576* | 34* | 3* | 712 | 4* | 1,568 | 871 |
| 27-Feb-25 | -- | 225 | -- | -- | 369 | -- | 594 | 876 |
| 19-Mar-25 | -- | 262 | -- | -- | 704 | -- | 966 | 687 |
| 14-Apr-25 | 199* | 429 | 74* | 5* | 1,278 | 6* | 1,991 | 1,012 |
| 14-May-25 | -- | 387 | -- | -- | 1,241 | -- | 1,628 | 749 |
| 12-Jun-25 | -- | 490 | -- | -- | 967 | -- | 1,457 | 1,275 |
| TOTAL | 438 | 2,369 | 108 | 8 | 5,271 | 10 | 8,204 | 5,470 |

Notes

Liquid volumes in gallons

LDS - Leak Detection System

-- Vault not dewatered

* Indicates 2 or 3 month totals

The dewatering was completed per the modified dewatering frequency approved by EGLE via letter on January 24, 2024. The dewatering for Vault B and Vault E occurred on an every other month basis unless more than 300 gallons of liquid were removed from a vault during a dewatering event. The vault dewatering frequency for Vaults A, C, D, and F occurred on a quarterly basis. If three or more vaults had more than 300 gallons removed during a dewatering event, then the next monthly dewatering event included all the vaults.

**APPENDIX B
ANALYTICAL LABORATORY REPORTS**



Analytical Laboratory Report

Report ID: S75289.01(01)
Generated on 06/11/2025

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

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): S75289.01-S75289.08
Project: RACER Coldwater Road
Collected Date(s): 06/03/2025
Submitted Date/Time: 06/04/2025 14:00
Sampled by: Kevin Schneider
P.O. #: 1940011180 TASK 1

Table of Contents

Cover Page (Page 1)
General Report Notes (Page 2)
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Laboratory Accreditations (Page 3)
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Method Summary (Page 4)
Sample Summary (Page 5)

Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

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

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 |
| N/A | Not Applicable |
| SM2540D | Standard Method 2540 D 2020 |
| 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 |



Analytical Laboratory Report

Sample Summary (8 samples)

| Sample ID | Sample Tag | Matrix | Collected Date/Time |
|-----------|---------------------|------------|---------------------|
| S75289.01 | SUMP-A-20250603 | Wastewater | 06/03/25 11:04 |
| S75289.02 | SUMP-B-20250603 | Wastewater | 06/03/25 11:50 |
| S75289.03 | SUMP-C-20250603 | Wastewater | 06/03/25 12:30 |
| S75289.04 | SUMP-D-20250603 | Wastewater | 06/03/25 14:00 |
| S75289.05 | SUMP-E-20250603 | Wastewater | 06/03/25 14:40 |
| S75289.06 | SUMP-F-20250603 | Wastewater | 06/03/25 15:15 |
| S75289.07 | SUMP-DUP-20250603 | Wastewater | 06/03/25 00:01 |
| S75289.08 | Trip Blank-20250603 | Water | 06/03/25 00:01 |



Analytical Laboratory Report

Lab Sample ID: S75289.01

Sample Tag: SUMP-A-20250603

Collected Date/Time: 06/03/2025 11:04

Matrix: Wastewater

COC Reference: 184996

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 Plastic | HNO3 | Yes | 2.4 | IR |
| 1 | 1L Plastic | None | 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 | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:14, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,212 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/06/25 17:24, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 25.0 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:14, Analyst: CCM

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | 0.235 | 0.005 | | mg/L | 5 | 7440-47-3 | |
| Copper, Dissolved | 0.268 | 0.005 | | mg/L | 5 | 7440-50-8 | |
| Nickel, Dissolved | 0.028 | 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: 06/06/25 05:22, 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 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75289.01 (continued)

Sample Tag: SUMP-A-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 05:22, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|------------|-------|
| 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 | |
| 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 | |



Analytical Laboratory Report

Lab Sample ID: S75289.01 (continued)

Sample Tag: SUMP-A-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 05:22, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 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: S75289.02

Sample Tag: SUMP-B-20250603

Collected Date/Time: 06/03/2025 11:50

Matrix: Wastewater

COC Reference: 184996

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 Plastic | HNO3 | Yes | 2.4 | IR |
| 1 | 1L Plastic | None | 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 | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:16, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 2,990 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/06/25 17:49, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 65.5 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:16, Analyst: CCM

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------------|--------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | 0.763 | 0.005 | | mg/L | 5 | 7440-47-3 | |
| Copper, Dissolved | 0.394 | 0.005 | | mg/L | 5 | 7440-50-8 | |
| Nickel, Dissolved | 0.046 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | 0.014 | 0.005 | | mg/L | 5 | 7440-66-6 | |

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 05:45, 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 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75289.02 (continued)

Sample Tag: SUMP-B-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 05:45, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|------------|-------|
| 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 | |
| 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 | |



Analytical Laboratory Report

Lab Sample ID: S75289.02 (continued)

Sample Tag: SUMP-B-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 05:45, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 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: S75289.03

Sample Tag: SUMP-C-20250603

Collected Date/Time: 06/03/2025 12:30

Matrix: Wastewater

COC Reference: 184996

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 Plastic | HNO3 | Yes | 2.4 | IR |
| 1 | 1L Plastic | None | 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 | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:18, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 3,930 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/06/25 18:13, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 69.1 | 2 | | mg/L | 2 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:18, Analyst: CCM

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------------|--------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | 0.076 | 0.005 | | mg/L | 5 | 7440-47-3 | |
| Copper, Dissolved | 1.07 | 0.005 | | mg/L | 5 | 7440-50-8 | |
| Nickel, Dissolved | 0.252 | 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: 06/06/25 06:09, 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 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75289.03 (continued)

Sample Tag: SUMP-C-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 06:09, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|------------|-------|
| 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 | |
| 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 | |



Analytical Laboratory Report

Lab Sample ID: S75289.03 (continued)

Sample Tag: SUMP-C-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 06:09, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 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: S75289.04

Sample Tag: SUMP-D-20250603

Collected Date/Time: 06/03/2025 14:00

Matrix: Wastewater

COC Reference: 184996

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 Plastic | HNO3 | Yes | 2.4 | IR |
| 1 | 1L Plastic | None | 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 | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:20, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 3,600 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/06/25 18:38, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 105 | 5 | | mg/L | 5 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:19, Analyst: CCM

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------------|--------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | 0.261 | 0.005 | | mg/L | 5 | 7440-47-3 | |
| Copper, Dissolved | 0.764 | 0.005 | | mg/L | 5 | 7440-50-8 | |
| Nickel, Dissolved | 0.416 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | 0.012 | 0.005 | | mg/L | 5 | 7440-66-6 | |

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/07/25 05:20, Analyst: ACK

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------------------------|--------------|-----|-----|-------|----------|-----------|-------|
| Diethyl ether | Not detected | 100 | | ug/L | 10 | 60-29-7 | Y |
| Acetone | 1,010 | 500 | | ug/L | 10 | 67-64-1 | Y |
| Methyl iodide | Not detected | 10 | | ug/L | 10 | 74-88-4 | Y |
| Carbon disulfide | Not detected | 50 | | ug/L | 10 | 75-15-0 | Y |
| tert-Methyl butyl ether (MTBE) | Not detected | 50 | | ug/L | 10 | 1634-04-4 | Y |
| Acrylonitrile | Not detected | 20 | | ug/L | 10 | 107-13-1 | Y |
| 2-Butanone (MEK) | Not detected | 250 | | ug/L | 10 | 78-93-3 | Y |
| Dichlorodifluoromethane | Not detected | 50 | | ug/L | 10 | 75-71-8 | Y |
| Chloromethane | Not detected | 50 | | ug/L | 10 | 74-87-3 | Y |

1-Sample volume provided did not allow required target of 2.5mg of residue

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S75289.04 (continued)

Sample Tag: SUMP-D-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/07/25 05:20, Analyst: ACK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|-----|-----|-------|----------|------------|-------|
| Vinyl chloride | Not detected | 10 | | ug/L | 10 | 75-01-4 | Y |
| Bromomethane | Not detected | 50 | | ug/L | 10 | 74-83-9 | Y |
| Chloroethane | Not detected | 50 | | ug/L | 10 | 75-00-3 | Y |
| Trichlorofluoromethane | Not detected | 10 | | ug/L | 10 | 75-69-4 | Y |
| 1,1-Dichloroethene | Not detected | 10 | | ug/L | 10 | 75-35-4 | Y |
| Methylene chloride | Not detected | 50 | | ug/L | 10 | 75-09-2 | Y |
| trans-1,2-Dichloroethene | Not detected | 10 | | ug/L | 10 | 156-60-5 | Y |
| 1,1-Dichloroethane | Not detected | 10 | | ug/L | 10 | 75-34-3 | Y |
| cis-1,2-Dichloroethene | Not detected | 10 | | ug/L | 10 | 156-59-2 | Y |
| Tetrahydrofuran | Not detected | 900 | | ug/L | 10 | 109-99-9 | Y |
| Chloroform | Not detected | 10 | | ug/L | 10 | 67-66-3 | Y |
| Bromochloromethane | Not detected | 10 | | ug/L | 10 | 74-97-5 | Y |
| 1,1,1-Trichloroethane | Not detected | 10 | | ug/L | 10 | 71-55-6 | Y |
| 4-Methyl-2-pentanone (MIBK) | Not detected | 500 | | ug/L | 10 | 108-10-1 | Y |
| 2-Hexanone | Not detected | 500 | | ug/L | 10 | 591-78-6 | Y |
| Carbon tetrachloride | Not detected | 10 | | ug/L | 10 | 56-23-5 | Y |
| Benzene | Not detected | 10 | | ug/L | 10 | 71-43-2 | Y |
| 1,2-Dichloroethane | Not detected | 10 | | ug/L | 10 | 107-06-2 | Y |
| Trichloroethene | Not detected | 10 | | ug/L | 10 | 79-01-6 | Y |
| 1,2-Dichloropropane | Not detected | 10 | | ug/L | 10 | 78-87-5 | Y |
| Bromodichloromethane | Not detected | 10 | | ug/L | 10 | 75-27-4 | Y |
| Dibromomethane | Not detected | 50 | | ug/L | 10 | 74-95-3 | Y |
| cis-1,3-Dichloropropene | Not detected | 10 | | ug/L | 10 | 10061-01-5 | Y |
| Toluene | Not detected | 10 | | ug/L | 10 | 108-88-3 | Y |
| trans-1,3-Dichloropropene | Not detected | 10 | | ug/L | 10 | 10061-02-6 | Y |
| 1,1,2-Trichloroethane | Not detected | 10 | | ug/L | 10 | 79-00-5 | Y |
| Tetrachloroethene | Not detected | 10 | | ug/L | 10 | 127-18-4 | Y |
| trans-1,4-Dichloro-2-butene | Not detected | 10 | | ug/L | 10 | 110-57-6 | Y |
| Dibromochloromethane | Not detected | 50 | | ug/L | 10 | 124-48-1 | Y |
| 1,2-Dibromoethane | Not detected | 10 | | ug/L | 10 | 106-93-4 | Y |
| Chlorobenzene | Not detected | 10 | | ug/L | 10 | 108-90-7 | Y |
| 1,1,1,2-Tetrachloroethane | Not detected | 10 | | ug/L | 10 | 630-20-6 | Y |
| Ethylbenzene | Not detected | 10 | | ug/L | 10 | 100-41-4 | Y |
| p,m-Xylene | Not detected | 20 | | ug/L | 10 | | Y |
| o-Xylene | Not detected | 10 | | ug/L | 10 | 95-47-6 | Y |
| Styrene | Not detected | 10 | | ug/L | 10 | 100-42-5 | Y |
| Isopropylbenzene | Not detected | 50 | | ug/L | 10 | 98-82-8 | Y |
| Bromoform | Not detected | 10 | | ug/L | 10 | 75-25-2 | Y |
| 1,1,2,2-Tetrachloroethane | Not detected | 10 | | ug/L | 10 | 79-34-5 | Y |
| 1,2,3-Trichloropropane | Not detected | 10 | | ug/L | 10 | 96-18-4 | Y |
| n-Propylbenzene | Not detected | 10 | | ug/L | 10 | 103-65-1 | Y |
| Bromobenzene | Not detected | 10 | | ug/L | 10 | 108-86-1 | Y |
| 1,3,5-Trimethylbenzene | Not detected | 10 | | ug/L | 10 | 108-67-8 | Y |
| tert-Butylbenzene | Not detected | 10 | | ug/L | 10 | 98-06-6 | Y |
| 1,2,4-Trimethylbenzene | Not detected | 10 | | ug/L | 10 | 95-63-6 | Y |
| sec-Butylbenzene | Not detected | 10 | | ug/L | 10 | 135-98-8 | Y |
| p-Isopropyltoluene | Not detected | 50 | | ug/L | 10 | 99-87-6 | Y |
| 1,3-Dichlorobenzene | Not detected | 10 | | ug/L | 10 | 541-73-1 | Y |
| 1,4-Dichlorobenzene | Not detected | 10 | | ug/L | 10 | 106-46-7 | Y |

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S75289.04 (continued)

Sample Tag: SUMP-D-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/07/25 05:20, Analyst: ACK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 1,2-Dichlorobenzene | Not detected | 10 | | ug/L | 10 | 95-50-1 | Y |
| 1,2,3-Trimethylbenzene | Not detected | 10 | | ug/L | 10 | 526-73-8 | Y |
| n-Butylbenzene | Not detected | 10 | | ug/L | 10 | 104-51-8 | Y |
| Hexachloroethane | Not detected | 50 | | ug/L | 10 | 67-72-1 | Y |
| 1,2-Dibromo-3-chloropropane | Not detected | 50 | | ug/L | 10 | 96-12-8 | Y |
| 1,2,4-Trichlorobenzene | Not detected | 50 | | ug/L | 10 | 120-82-1 | Y |
| 1,2,3-Trichlorobenzene | Not detected | 50 | | ug/L | 10 | 87-61-6 | Y |
| Naphthalene | Not detected | 50 | | ug/L | 10 | 91-20-3 | Y |
| 2-Methylnaphthalene | Not detected | 50 | | ug/L | 10 | 91-57-6 | Y |

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S75289.05

Sample Tag: SUMP-E-20250603

Collected Date/Time: 06/03/2025 14:40

Matrix: Wastewater

COC Reference: 184996

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 Plastic | HNO3 | Yes | 2.4 | IR |
| 1 | 1L Plastic | None | 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 | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:22, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,955 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/06/25 19:02, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 20.2 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:20, Analyst: CCM

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------------|--------------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | 0.044 | 0.005 | | mg/L | 5 | 7440-47-3 | |
| Copper, Dissolved | 0.049 | 0.005 | | mg/L | 5 | 7440-50-8 | |
| Nickel, Dissolved | 0.019 | 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: 06/06/25 06:33, 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 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75289.05 (continued)

Sample Tag: SUMP-E-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 06:33, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|------------|-------|
| 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 | |
| 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 | |



Analytical Laboratory Report

Lab Sample ID: S75289.05 (continued)

Sample Tag: SUMP-E-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 06:33, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 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: S75289.06

Sample Tag: SUMP-F-20250603

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

Matrix: Wastewater

COC Reference: 184996

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 Plastic | HNO3 | Yes | 2.4 | IR |
| 1 | 1L Plastic | None | 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 | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:24, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 3,720 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/06/25 19:27, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 33.8 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:22, Analyst: CCM

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------------|--------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | 0.011 | 0.005 | | mg/L | 5 | 7440-47-3 | |
| Copper, Dissolved | 0.156 | 0.005 | | mg/L | 5 | 7440-50-8 | |
| Nickel, Dissolved | 0.048 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | 0.019 | 0.005 | | mg/L | 5 | 7440-66-6 | |

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 06:56, 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 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75289.06 (continued)

Sample Tag: SUMP-F-20250603

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

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|------------|-------|
| 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 | |
| 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 | |



Analytical Laboratory Report

Lab Sample ID: S75289.06 (continued)

Sample Tag: SUMP-F-20250603

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

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 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: S75289.07

Sample Tag: SUMP-DUP-20250603

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

Matrix: Wastewater

COC Reference: 184996

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 Plastic | HNO3 | Yes | 2.4 | IR |
| 1 | 1L Plastic | None | 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 | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:26, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 3,940 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/06/25 19:51, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 68.5 | 2 | | mg/L | 2 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:35, Analyst: CCM

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------------|--------|-------|-----|-------|----------|-----------|-------|
| Chromium, Dissolved | 0.076 | 0.005 | | mg/L | 5 | 7440-47-3 | |
| Copper, Dissolved | 1.05 | 0.005 | | mg/L | 5 | 7440-50-8 | |
| Nickel, Dissolved | 0.253 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | 0.005 | 0.005 | | mg/L | 5 | 7440-66-6 | |

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 07:20, 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 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75289.07 (continued)

Sample Tag: SUMP-DUP-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 07:20, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|------------|-------|
| 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 | |
| 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 | |



Analytical Laboratory Report

Lab Sample ID: S75289.07 (continued)

Sample Tag: SUMP-DUP-20250603

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 06/06/25 07:20, Analyst: NDK (continued)

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------------------------|--------------|----|-----|-------|----------|----------|-------|
| 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: S75289.08

Sample Tag: Trip Blank-20250603

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

Matrix: Water

COC Reference: 184996

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 10:45 | 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

Lab Sample ID: S75289.08 (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 | |

Merit Laboratories Login Checklist

Lab Set ID:S75289

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 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: S75289 Submitted: 06/04/2025 14:00

Client: RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Initial Preservation Check: 06/04/2025 16:50 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 |
|-----------|-----------------------|-----------|--------|----------|-------|
| S75289.01 | 125ml Plastic HNO3 | <2 | | | |
| S75289.02 | 125ml Plastic HNO3 | <2 | | | |
| S75289.03 | 125ml Plastic HNO3 | <2 | | | |
| S75289.04 | 125ml Plastic HNO3 | <2 | | | |
| S75289.05 | 125ml Plastic HNO3 | <2 | | | |
| S75289.06 | 125ml Plastic HNO3 | <2 | | | |
| S75289.07 | 125ml Plastic HNO3 | <2 | | | |



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. _____ CELL NO. 313-333-0211 P.O. NO. 194001180 Task 1
 E-MAIL ADDRESS Kevin.schneider@ramboll.com QUOTE NO. _____
Clifford.Yantz@ramboll.com

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 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=WIPE A=AIR WS=WASTE

Containers & Preservatives

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

| MERIT LAB NO. <small>FOR LAB USE ONLY</small> | COLLECTION | | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX | # OF BOTTLES | NONE | HCl | HNO ₃ | H ₂ SO ₄ | NaOH | MeOH | OTHER | VOLs | TOC | Dissolved metals | Specific conductivity | TSS | | | | | |
|--|------------|------|---------------------------------------|--------|--------------|------|-----|------------------|--------------------------------|------|------|-------|------|-----|------------------|-----------------------|-----|--|--|--|--|--|
| | DATE | TIME | | | | | | | | | | | | | | | | | | | | |
| 7528P.01 | 6/3/25 | 1104 | SUMP-A-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | | | | | |
| .02 | | 1150 | SUMP-B-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | | | | | |
| .03 | | 1230 | SUMP-C-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | | | | | |
| .04 | | 1400 | SUMP-D-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | | | | | |
| .05 | | 1440 | SUMP-E-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | | | | | |
| .06 | | 1515 | SUMP-F-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | | | | | |
| .07 | | | SUMP-DUP-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | | | | | |
| .08 | | | Trip Blank-20250603 | L | 1 | 1 | | | | | | | X | | | | | | | | | |

dissolved metals were field filtered
Metals ARE: Cr, Cu, Ni, Zn

RELINQUISHED BY: Savannah Threlkoff Sampler DATE 6-4-25 TIME 1300
 RECEIVED BY: [Signature] DATE 6/4/25 TIME 1130
 RELINQUISHED BY: [Signature] DATE 6/4/25 TIME 1400
 RECEIVED BY: [Signature] DATE 6/4/25 TIME 1400

RELINQUISHED BY: _____ DATE _____ TIME _____
 RECEIVED BY: _____ DATE _____ TIME _____
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____
 SEAL NO. _____ SEAL INTACT YES NO INITIALS _____
 ICE (SOLID) BLUE ICE 24
 ICE (MELTED) NONE



Quality Control Report

Report ID: QC-S75289-01
Generated on 06/12/2025

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): S75289.01-S75289.08
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 2-9)
- Prep Batch Summary (Pages 10-11)
- Surrogates per Lab Sample (Pages 12-19)
- Surrogates per QC Sample (Pages 20-21)
- Batch QC Results (Pages 22-36)

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: S75289.01

Sample Tag: SUMP-A-20250603

Collected Date/Time: 06/03/2025 11:04

Matrix: Wastewater

COC Reference: 184996

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|------------------------------------|---------------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:14 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/06/25 17:24 | TOC250606-W1 | TOC250606-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| <i>Organics - Volatiles</i> | | | | | | |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 05:22 | 250605B11 | VF250605W4 | Yes | BLK/LCS/LCSD |

QC Report - Analysis Summary

Lab Sample ID: S75289.02

Sample Tag: SUMP-B-20250603

Collected Date/Time: 06/03/2025 11:50

Matrix: Wastewater

COC Reference: 184996

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|------------------------------------|---------------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:16 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/06/25 17:49 | TOC250606-W1 | TOC250606-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| <i>Organics - Volatiles</i> | | | | | | |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 05:45 | 250605B11 | VF250605W4 | Yes | BLK/LCS/LCSD |

QC Report - Analysis Summary

Lab Sample ID: S75289.03

Sample Tag: SUMP-C-20250603

Collected Date/Time: 06/03/2025 12:30

Matrix: Wastewater

COC Reference: 184996

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|------------------------------------|---------------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:18 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/06/25 18:13 | TOC250606-W1 | TOC250606-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| <i>Organics - Volatiles</i> | | | | | | |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 06:09 | 250605B11 | VF250605W4 | Yes | BLK/LCS/LCSD |

QC Report - Analysis Summary

Lab Sample ID: S75289.04

Sample Tag: SUMP-D-20250603

Collected Date/Time: 06/03/2025 14:00

Matrix: Wastewater

COC Reference: 184996

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|------------------------------------|---------------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:20 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/06/25 18:38 | TOC250606-W1 | TOC250606-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| <i>Organics - Volatiles</i> | | | | | | |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/07/25 05:20 | 250606B11 | VF250606W4 | Yes | BLK/LCS/LCSD |

QC Report - Analysis Summary

Lab Sample ID: S75289.05

Sample Tag: SUMP-E-20250603

Collected Date/Time: 06/03/2025 14:40

Matrix: Wastewater

COC Reference: 184996

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|------------------------------------|---------------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:22 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/06/25 19:02 | TOC250606-W1 | TOC250606-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| <i>Organics - Volatiles</i> | | | | | | |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 06:33 | 250605B11 | VF250605W4 | Yes | BLK/LCS/LCSD |

QC Report - Analysis Summary

Lab Sample ID: S75289.06

Sample Tag: SUMP-F-20250603

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

Matrix: Wastewater

COC Reference: 184996

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|------------------------------------|---------------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:24 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/06/25 19:27 | TOC250606-W1 | TOC250606-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| <i>Organics - Volatiles</i> | | | | | | |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 06:56 | 250605B11 | VF250605W4 | Yes | BLK/LCS/LCSD |

QC Report - Analysis Summary

Lab Sample ID: S75289.07

Sample Tag: SUMP-DUP-20250603

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

Matrix: Wastewater

COC Reference: 184996

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|------------------------------------|---------------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:26 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/06/25 19:51 | TOC250606-W1 | TOC250606-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| <i>Organics - Volatiles</i> | | | | | | |
| Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 07:20 | 250605B11 | VF250605W4 | Yes | BLK/LCS/LCSD |

QC Report - Analysis Summary

Lab Sample ID: S75289.08

Sample Tag: Trip Blank-20250603

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

Matrix: Water

COC Reference: 184996

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

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: COND250611-W1

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|--------------|--------|----------------|---------------|
| S75289.01 | Conductivity | E120.1 | 06/11/25 12:14 | COND250611-W1 |
| S75289.02 | Conductivity | E120.1 | 06/11/25 12:16 | COND250611-W1 |
| S75289.03 | Conductivity | E120.1 | 06/11/25 12:18 | COND250611-W1 |
| S75289.04 | Conductivity | E120.1 | 06/11/25 12:20 | COND250611-W1 |
| S75289.05 | Conductivity | E120.1 | 06/11/25 12:22 | COND250611-W1 |
| S75289.06 | Conductivity | E120.1 | 06/11/25 12:24 | COND250611-W1 |
| S75289.07 | Conductivity | E120.1 | 06/11/25 12:26 | COND250611-W1 |

Inorganics, Prep Batch ID: TOC250606-W1

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|----------|---------|----------------|--------------|
| S75289.01 | TOC | SM5310C | 06/06/25 17:24 | TOC250606-W1 |
| S75289.02 | TOC | SM5310C | 06/06/25 17:49 | TOC250606-W1 |
| S75289.03 | TOC | SM5310C | 06/06/25 18:13 | TOC250606-W1 |
| S75289.04 | TOC | SM5310C | 06/06/25 18:38 | TOC250606-W1 |
| S75289.05 | TOC | SM5310C | 06/06/25 19:02 | TOC250606-W1 |
| S75289.06 | TOC | SM5310C | 06/06/25 19:27 | TOC250606-W1 |
| S75289.07 | TOC | SM5310C | 06/06/25 19:51 | TOC250606-W1 |

Inorganics, Prep Batch ID: TSS250606A

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|------------------------|---------|----------------|------------|
| S75289.01 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75289.02 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75289.03 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75289.04 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75289.05 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75289.06 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75289.07 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |

Metals, Prep Batch ID: MTD-060525-5

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|---------------------|--------|----------------|--------------|
| S75289.01 | Chromium, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A |
| S75289.01 | Copper, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A |
| S75289.01 | Nickel, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A |
| S75289.01 | Zinc, Dissolved | E200.8 | 06/05/25 13:14 | MT4-25-0605A |
| S75289.02 | Chromium, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A |
| S75289.02 | Copper, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A |
| S75289.02 | Nickel, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A |
| S75289.02 | Zinc, Dissolved | E200.8 | 06/05/25 13:16 | MT4-25-0605A |
| S75289.03 | Chromium, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A |
| S75289.03 | Copper, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A |
| S75289.03 | Nickel, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A |
| S75289.03 | Zinc, Dissolved | E200.8 | 06/05/25 13:18 | MT4-25-0605A |
| S75289.04 | Chromium, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A |
| S75289.04 | Copper, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A |
| S75289.04 | Nickel, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A |
| S75289.04 | Zinc, Dissolved | E200.8 | 06/05/25 13:19 | MT4-25-0605A |
| S75289.05 | Chromium, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A |

QC Report - Prep Batch Summary

Metals, Prep Batch ID: MTD-060525-5 (continued)

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|---------------------|--------|----------------|--------------|
| S75289.05 | Copper, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A |
| S75289.05 | Nickel, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A |
| S75289.05 | Zinc, Dissolved | E200.8 | 06/05/25 13:20 | MT4-25-0605A |
| S75289.06 | Chromium, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A |
| S75289.06 | Copper, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A |
| S75289.06 | Nickel, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A |
| S75289.06 | Zinc, Dissolved | E200.8 | 06/05/25 13:22 | MT4-25-0605A |
| S75289.07 | Chromium, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A |
| S75289.07 | Copper, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A |
| S75289.07 | Nickel, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A |
| S75289.07 | Zinc, Dissolved | E200.8 | 06/05/25 13:35 | MT4-25-0605A |

Organics - Volatiles, Prep Batch ID: VF250605W4

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|------------------------------|---------------|----------------|-----------|
| S75289.01 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 05:22 | 250605B11 |
| S75289.02 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 05:45 | 250605B11 |
| S75289.03 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 06:09 | 250605B11 |
| S75289.05 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 06:33 | 250605B11 |
| S75289.06 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 06:56 | 250605B11 |
| S75289.07 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 07:20 | 250605B11 |
| S75289.08 | Volatile Organics - DEQ List | SW5030C/8260C | 06/06/25 01:02 | 250605B11 |

Organics - Volatiles, Prep Batch ID: VF250606W4

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|------------------------------|---------------|----------------|-----------|
| S75289.04 | Volatile Organics - DEQ List | SW5030C/8260C | 06/07/25 05:20 | 250606B11 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.01

Sample Tag: SUMP-A-20250603

Collected Date/Time: 06/03/2025 11:04

Matrix: Wastewater

COC Reference: 184996

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605B11, Run Date: 06/06/2025 05:22, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 94.2 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 98.8 | 72.0 | 125.0 |
| Toluene-D8 | | 97.8 | 89.0 | 112.0 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.02

Sample Tag: SUMP-B-20250603

Collected Date/Time: 06/03/2025 11:50

Matrix: Wastewater

COC Reference: 184996

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605B11, Run Date: 06/06/2025 05:45, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 94.4 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 94.5 | 72.0 | 125.0 |
| Toluene-D8 | | 96.9 | 89.0 | 112.0 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.03

Sample Tag: SUMP-C-20250603

Collected Date/Time: 06/03/2025 12:30

Matrix: Wastewater

COC Reference: 184996

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605B11, Run Date: 06/06/2025 06:09, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 93.3 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 99.1 | 72.0 | 125.0 |
| Toluene-D8 | | 96.6 | 89.0 | 112.0 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.04

Sample Tag: SUMP-D-20250603

Collected Date/Time: 06/03/2025 14:00

Matrix: Wastewater

COC Reference: 184996

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250606B11, Run Date: 06/07/2025 05:20, Matrix: WW, Dilution: 10

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 93.3 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 97.4 | 72.0 | 125.0 |
| Toluene-D8 | | 97.9 | 89.0 | 112.0 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.05

Sample Tag: SUMP-E-20250603

Collected Date/Time: 06/03/2025 14:40

Matrix: Wastewater

COC Reference: 184996

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605B11, Run Date: 06/06/2025 06:33, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 93.8 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 98.5 | 72.0 | 125.0 |
| Toluene-D8 | | 97.5 | 89.0 | 112.0 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.06

Sample Tag: SUMP-F-20250603

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

Matrix: Wastewater

COC Reference: 184996

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605B11, Run Date: 06/06/2025 06:56, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 92.6 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 96.7 | 72.0 | 125.0 |
| Toluene-D8 | | 97.8 | 89.0 | 112.0 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.07

Sample Tag: SUMP-DUP-20250603

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

Matrix: Wastewater

COC Reference: 184996

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250605B11, Run Date: 06/06/2025 07:20, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 94.1 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 96.8 | 72.0 | 125.0 |
| Toluene-D8 | | 97.5 | 89.0 | 112.0 |

QC Report - Surrogates per Lab Sample

Lab Sample ID: S75289.08

Sample Tag: Trip Blank-20250603

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

Matrix: Water

COC Reference: 184996

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 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 - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF250606W4

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250606B11.BLKW06B

Run in Batch: 250606B11, Run Date: 06/07/2025 00:59, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 93.9 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 97.5 | 72.0 | 125.0 |
| Toluene-D8 | | 97.0 | 89.0 | 112.0 |

Laboratory Control Sample (LCS)

Lab Sample ID: 250606B11.LCSW06B

Run in Batch: 250606B11, Run Date: 06/06/2025 23:25, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 95.6 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 94.0 | 72.0 | 125.0 |
| Toluene-D8 | | 97.7 | 89.0 | 112.0 |

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250606B11.LCSDW06B, Parent Sample ID: 250606B11.LCSW06B

Run in Batch: 250606B11, Run Date: 06/06/2025 23:49, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Surrogate | Flags | %Rec | LCL | UCL |
|-----------------------|-------|------|------|-------|
| 4-Bromofluorobenzene | | 96.0 | 80.0 | 124.0 |
| 1,2-Dichloroethane-D4 | | 93.7 | 72.0 | 125.0 |
| Toluene-D8 | | 97.9 | 89.0 | 112.0 |

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: TOC250606-W1

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

Blank (BLK)

Lab Sample ID: TOC250606-W1.LRB1

Run in Batch: TOC250606-W1, Run Date: 06/06/2025 13:07, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: TOC250606-W1.LCS1

Run in Batch: TOC250606-W1, Run Date: 06/06/2025 14:16, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC | | 99 | 90 | 110 |

Matrix Spike (MS)

Lab Sample ID: TOC250606-W1.MS1, Parent Sample ID: S75191.03

Run in Batch: TOC250606-W1, Run Date: 06/06/2025 16:11, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------|-------|-------|-----|-----|
| TOC | | 98 | 80 | 120 |

Matrix Spike Duplicate (MSD)

Lab Sample ID: TOC250606-W1.MSD1, Parent Sample ID: TOC250606-W1.MS1

Run in Batch: TOC250606-W1, Run Date: 06/06/2025 16:35, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|---------|-------|-------|-----|-----|-----|--------|
| TOC | | 98 | 80 | 120 | 0 | 15 |

Duplicate (DUP)

Lab Sample ID: TOC250606-W1.DP1, Parent Sample ID: S75191.01

Run in Batch: TOC250606-W1, Run Date: 06/06/2025 15:23, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 1

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

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS250606A

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

Blank (BLK)

Lab Sample ID: TSS250606A.LRB1

Run in Batch: TSS250606A, Run Date: 06/06/2025 16:00, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|------------------------|-------|------|-----|-------|
| Total Suspended Solids | | ND | 3 | mg/L |

Laboratory Control Sample (LCS)

Lab Sample ID: TSS250606A.LCS1

Run in Batch: TSS250606A, Run Date: 06/06/2025 16:00, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL |
|------------------------|-------|-------|------|-----|
| Total Suspended Solids | | 94.9 | 80.9 | 112 |

Duplicate (DUP)

Lab Sample ID: TSS250606A.DP1, Parent Sample ID: S75260.01

Run in Batch: TSS250606A, Run Date: 06/06/2025 16:00, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 4

| Analyte | Flags | RPD | RPD CL |
|------------------------|-------|-----|--------|
| Total Suspended Solids | | 0.3 | 10 |

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-060525-5

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

Blank (BLK)

Lab Sample ID: MT4-25-0605A.058.LRB

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:02, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0605A.057.LCS

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:01, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chromium | | 103 | 85 | 115 |
| Copper | | 99 | 85 | 115 |
| Nickel | | 105 | 85 | 115 |
| Zinc | | 101 | 85 | 115 |

Matrix Spike (MS)

Lab Sample ID: MT4-25-0605A.071.MS, Parent Sample ID: S75290.21

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:25, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chromium | | 110 | 75 | 125 |
| Copper | | 104 | 75 | 125 |
| Nickel | | 110 | 75 | 125 |
| Zinc | | 106 | 75 | 125 |

Matrix Spike (MS)

Lab Sample ID: MT4-25-0605A.084.MS, Parent Sample ID: S75292.07

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:48, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chromium | | 114 | 75 | 125 |
| Copper | | 106 | 75 | 125 |
| Nickel | | 112 | 75 | 125 |
| Zinc | | 109 | 75 | 125 |

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0605A.072.MSD, Parent Sample ID: MT4-25-0605A.071.MS

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:26, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chromium | | 108 | 75 | 125 | 2 | 20 |
| Copper | | 104 | 75 | 125 | 0 | 20 |
| Nickel | | 107 | 75 | 125 | 2 | 20 |
| Zinc | | 108 | 75 | 125 | 1 | 20 |

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-060525-5 (continued)

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

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0605A.085.MSD, Parent Sample ID: MT4-25-0605A.084.MS

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:49, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chromium | | 113 | 75 | 125 | 1 | 20 |
| Copper | | 104 | 75 | 125 | 2 | 20 |
| Nickel | | 109 | 75 | 125 | 2 | 20 |
| Zinc | | 109 | 75 | 125 | 0 | 20 |

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 |

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250606W4

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

Blank (BLK)

Lab Sample ID: 250606B11.BLKW06B

Run in Batch: 250606B11, Run Date: 06/07/2025 00:59, Prep Date: 06/06/2025, 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: VF250606W4 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: 250606B11.BLKW06B

Run in Batch: 250606B11, Run Date: 06/07/2025 00:59, Prep Date: 06/06/2025, 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: 250606B11.LCSW06B

Run in Batch: 250606B11, Run Date: 06/06/2025 23:25, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|--------------------------------|-------|-------|------|-------|
| Diethyl ether | | 113.8 | 67.4 | 121.2 |
| Acetone | | 104.8 | 29.9 | 161.5 |
| Methyl iodide | | 95.5 | 68.8 | 116.4 |
| Carbon disulfide | | 105.4 | 63.8 | 137.4 |
| tert-Methyl butyl ether (MTBE) | | 110.2 | 73.2 | 122.4 |
| Acrylonitrile | | 111.4 | 69.9 | 128.9 |
| 2-Butanone (MEK) | | 107.4 | 44.0 | 134.4 |
| Dichlorodifluoromethane | | 99.3 | 10.0 | 222.8 |
| Chloromethane | | 117.1 | 23.8 | 166.5 |
| Vinyl chloride | | 81.9 | 43.5 | 149.1 |
| Bromomethane | | 86.3 | 56.8 | 151.3 |
| Chloroethane | * | 52.9 | 53.4 | 149.4 |
| Trichlorofluoromethane | | 76.9 | 59.7 | 151.8 |
| 1,1-Dichloroethene | | 103.0 | 69.6 | 139.4 |
| Methylene chloride | | 111.0 | 73.3 | 121.1 |
| trans-1,2-Dichloroethene | | 106.5 | 73.6 | 129.3 |
| 1,1-Dichloroethane | | 108.4 | 71.5 | 126.2 |
| cis-1,2-Dichloroethene | | 110.7 | 76.6 | 122.1 |
| Tetrahydrofuran | | 111.3 | 59.0 | 117.9 |
| Chloroform | | 108.1 | 78.4 | 124.0 |

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250606W4 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250606B11.LCSW06B

Run in Batch: 250606B11, Run Date: 06/06/2025 23:25, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|-----------------------------|-------|-------|------|-------|
| Bromochloromethane | | 109.2 | 78.2 | 120.8 |
| 1,1,1-Trichloroethane | | 103.8 | 79.4 | 130.9 |
| 4-Methyl-2-pentanone (MIBK) | | 106.6 | 71.6 | 125.2 |
| 2-Hexanone | | 107.6 | 55.4 | 136.9 |
| Carbon tetrachloride | | 99.0 | 72.6 | 133.0 |
| Benzene | | 109.9 | 79.9 | 124.9 |
| 1,2-Dichloroethane | | 102.8 | 76.0 | 126.3 |
| Trichloroethene | | 107.3 | 79.7 | 124.2 |
| 1,2-Dichloropropane | | 110.9 | 78.6 | 126.4 |
| Bromodichloromethane | | 107.6 | 80.4 | 128.2 |
| Dibromomethane | | 104.3 | 76.9 | 122.1 |
| cis-1,3-Dichloropropene | | 109.3 | 79.8 | 129.9 |
| Toluene | | 109.3 | 79.8 | 124.5 |
| trans-1,3-Dichloropropene | | 107.2 | 74.0 | 131.3 |
| 1,1,2-Trichloroethane | | 108.1 | 78.7 | 123.1 |
| Tetrachloroethene | | 102.9 | 74.5 | 124.5 |
| trans-1,4-Dichloro-2-butene | | 100.4 | 68.6 | 135.4 |
| Dibromochloromethane | | 107.9 | 74.6 | 127.2 |
| 1,2-Dibromoethane | | 109.3 | 70.3 | 133.7 |
| Chlorobenzene | | 108.5 | 79.2 | 122.7 |
| 1,1,1,2-Tetrachloroethane | | 108.6 | 80.3 | 128.2 |
| Ethylbenzene | | 109.1 | 79.5 | 129.1 |
| p,m-Xylene | | 110.8 | 79.4 | 132.2 |
| o-Xylene | | 110.5 | 80.2 | 131.0 |
| Styrene | | 113.2 | 69.5 | 126.7 |
| Isopropylbenzene | | 109.0 | 74.4 | 121.5 |
| Bromoform | | 103.7 | 69.4 | 128.0 |
| 1,1,2,2-Tetrachloroethane | | 109.2 | 79.8 | 126.3 |
| 1,2,3-Trichloropropane | | 108.7 | 78.3 | 138.8 |
| n-Propylbenzene | | 106.1 | 82.0 | 130.7 |
| Bromobenzene | | 109.1 | 78.7 | 124.6 |
| 1,3,5-Trimethylbenzene | | 110.5 | 81.3 | 128.9 |
| tert-Butylbenzene | | 108.4 | 80.7 | 128.9 |
| 1,2,4-Trimethylbenzene | | 113.8 | 81.4 | 130.8 |
| sec-Butylbenzene | | 109.1 | 77.4 | 129.8 |
| p-Isopropyltoluene | | 110.6 | 79.8 | 137.5 |
| 1,3-Dichlorobenzene | | 109.5 | 77.0 | 131.3 |
| 1,4-Dichlorobenzene | | 109.5 | 20.7 | 137.7 |
| 1,2-Dichlorobenzene | | 109.2 | 10.0 | 166.2 |
| 1,2,3-Trimethylbenzene | | 111.3 | 76.3 | 124.2 |
| n-Butylbenzene | | 106.2 | 80.0 | 133.3 |
| Hexachloroethane | | 109.4 | 23.8 | 138.1 |
| 1,2-Dibromo-3-chloropropane | | 108.8 | 21.2 | 189.4 |
| 1,2,4-Trichlorobenzene | | 108.1 | 27.4 | 143.4 |
| 1,2,3-Trichlorobenzene | | 107.0 | 75.4 | 131.4 |
| Naphthalene | | 108.4 | 32.9 | 135.8 |

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250606W4 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250606B11.LCSW06B

Run in Batch: 250606B11, Run Date: 06/06/2025 23:25, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|---------------------|-------|-------|------|-------|
| 2-Methylnaphthalene | | 105.8 | 25.5 | 165.5 |

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250606B11.LCSDW06B, Parent Sample ID: 250606B11.LCSW06B

Run in Batch: 250606B11, Run Date: 06/06/2025 23:49, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|--------------------------------|-------|-------|------|-------|------|--------|
| Diethyl ether | | 111.4 | 67.4 | 121.2 | 2.2 | 30.0 |
| Acetone | | 105.0 | 29.9 | 161.5 | 0.2 | 30.0 |
| Methyl iodide | | 99.3 | 68.8 | 116.4 | 3.9 | 30.0 |
| Carbon disulfide | | 104.4 | 63.8 | 137.4 | 0.9 | 30.0 |
| tert-Methyl butyl ether (MTBE) | | 110.5 | 73.2 | 122.4 | 0.2 | 30.0 |
| Acrylonitrile | | 110.4 | 69.9 | 128.9 | 0.8 | 30.0 |
| 2-Butanone (MEK) | | 116.8 | 44.0 | 134.4 | 8.4 | 30.0 |
| Dichlorodifluoromethane | | 99.4 | 10.0 | 222.8 | 0.1 | 30.0 |
| Chloromethane | | 113.2 | 23.8 | 166.5 | 3.4 | 30.0 |
| Vinyl chloride | | 93.5 | 43.5 | 149.1 | 13.1 | 30.0 |
| Bromomethane | | 78.9 | 56.8 | 151.3 | 8.9 | 30.0 |
| Chloroethane | * | 78.0 | 53.4 | 149.4 | 38.3 | 30.0 |
| Trichlorofluoromethane | | 88.9 | 59.7 | 151.8 | 14.5 | 30.0 |
| 1,1-Dichloroethene | | 100.5 | 69.6 | 139.4 | 2.4 | 30.0 |
| Methylene chloride | | 109.3 | 73.3 | 121.1 | 1.5 | 30.0 |
| trans-1,2-Dichloroethene | | 105.8 | 73.6 | 129.3 | 0.7 | 30.0 |
| 1,1-Dichloroethane | | 108.4 | 71.5 | 126.2 | 0.0 | 30.0 |
| cis-1,2-Dichloroethene | | 109.2 | 76.6 | 122.1 | 1.3 | 30.0 |
| Tetrahydrofuran | | 113.2 | 59.0 | 117.9 | 1.6 | 30.0 |
| Chloroform | | 107.8 | 78.4 | 124.0 | 0.3 | 30.0 |
| Bromochloromethane | | 108.3 | 78.2 | 120.8 | 0.8 | 30.0 |
| 1,1,1-Trichloroethane | | 102.5 | 79.4 | 130.9 | 1.3 | 30.0 |
| 4-Methyl-2-pentanone (MIBK) | | 106.3 | 71.6 | 125.2 | 0.3 | 30.0 |
| 2-Hexanone | | 107.1 | 55.4 | 136.9 | 0.4 | 30.0 |
| Carbon tetrachloride | | 97.6 | 72.6 | 133.0 | 1.4 | 30.0 |
| Benzene | | 108.3 | 79.9 | 124.9 | 1.5 | 30.0 |
| 1,2-Dichloroethane | | 101.4 | 76.0 | 126.3 | 1.4 | 30.0 |
| Trichloroethene | | 104.8 | 79.7 | 124.2 | 2.3 | 30.0 |
| 1,2-Dichloropropane | | 109.4 | 78.6 | 126.4 | 1.4 | 30.0 |
| Bromodichloromethane | | 105.4 | 80.4 | 128.2 | 2.1 | 30.0 |
| Dibromomethane | | 104.7 | 76.9 | 122.1 | 0.3 | 30.0 |
| cis-1,3-Dichloropropene | | 107.5 | 79.8 | 129.9 | 1.7 | 30.0 |
| Toluene | | 107.5 | 79.8 | 124.5 | 1.7 | 30.0 |
| trans-1,3-Dichloropropene | | 105.5 | 74.0 | 131.3 | 1.6 | 30.0 |
| 1,1,2-Trichloroethane | | 107.0 | 78.7 | 123.1 | 1.0 | 30.0 |
| Tetrachloroethene | | 101.4 | 74.5 | 124.5 | 1.4 | 30.0 |
| trans-1,4-Dichloro-2-butene | | 109.6 | 68.6 | 135.4 | 8.7 | 30.0 |
| Dibromochloromethane | | 108.0 | 74.6 | 127.2 | 0.1 | 30.0 |
| 1,2-Dibromoethane | | 109.2 | 70.3 | 133.7 | 0.1 | 30.0 |
| Chlorobenzene | | 108.8 | 79.2 | 122.7 | 0.3 | 30.0 |

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250606W4 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250606B11.LCSDW06B, Parent Sample ID: 250606B11.LCSW06B

Run in Batch: 250606B11, Run Date: 06/06/2025 23:49, Prep Date: 06/06/2025, Matrix: WW, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|-----------------------------|-------|-------|------|-------|-----|--------|
| 1,1,1,2-Tetrachloroethane | | 108.5 | 80.3 | 128.2 | 0.1 | 30.0 |
| Ethylbenzene | | 109.2 | 79.5 | 129.1 | 0.1 | 30.0 |
| p,m-Xylene | | 109.3 | 79.4 | 132.2 | 1.4 | 30.0 |
| o-Xylene | | 110.0 | 80.2 | 131.0 | 0.5 | 30.0 |
| Styrene | | 112.6 | 69.5 | 126.7 | 0.5 | 30.0 |
| Isopropylbenzene | | 107.8 | 74.4 | 121.5 | 1.2 | 30.0 |
| Bromoform | | 103.4 | 69.4 | 128.0 | 0.3 | 30.0 |
| 1,1,2,2-Tetrachloroethane | | 110.7 | 79.8 | 126.3 | 1.3 | 30.0 |
| 1,2,3-Trichloropropane | | 110.4 | 78.3 | 138.8 | 1.6 | 30.0 |
| n-Propylbenzene | | 108.3 | 82.0 | 130.7 | 2.1 | 30.0 |
| Bromobenzene | | 108.9 | 78.7 | 124.6 | 0.2 | 30.0 |
| 1,3,5-Trimethylbenzene | | 109.2 | 81.3 | 128.9 | 1.2 | 30.0 |
| tert-Butylbenzene | | 108.4 | 80.7 | 128.9 | 0.0 | 30.0 |
| 1,2,4-Trimethylbenzene | | 112.6 | 81.4 | 130.8 | 1.0 | 30.0 |
| sec-Butylbenzene | | 110.9 | 77.4 | 129.8 | 1.6 | 30.0 |
| p-Isopropyltoluene | | 112.2 | 79.8 | 137.5 | 1.5 | 30.0 |
| 1,3-Dichlorobenzene | | 112.8 | 77.0 | 131.3 | 2.9 | 30.0 |
| 1,4-Dichlorobenzene | | 108.0 | 20.7 | 137.7 | 1.4 | 30.0 |
| 1,2-Dichlorobenzene | | 113.0 | 10.0 | 166.2 | 3.4 | 30.0 |
| 1,2,3-Trimethylbenzene | | 114.0 | 76.3 | 124.2 | 2.4 | 30.0 |
| n-Butylbenzene | | 107.9 | 80.0 | 133.3 | 1.6 | 30.0 |
| Hexachloroethane | | 110.6 | 23.8 | 138.1 | 1.1 | 30.0 |
| 1,2-Dibromo-3-chloropropane | | 111.7 | 21.2 | 189.4 | 2.6 | 30.0 |
| 1,2,4-Trichlorobenzene | | 111.6 | 27.4 | 143.4 | 3.2 | 30.0 |
| 1,2,3-Trichlorobenzene | | 112.8 | 75.4 | 131.4 | 5.2 | 30.0 |
| Naphthalene | | 112.7 | 32.9 | 135.8 | 3.9 | 30.0 |
| 2-Methylnaphthalene | | 109.8 | 25.5 | 165.5 | 3.7 | 30.0 |



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

184996

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. CELL NO. 313-333-0211 P.O. NO. 194001180 Task 1
 E-MAIL ADDRESS Kevin.schneider@ramboll.com QUOTE NO. Clifford.Yantz@ramboll.com

CONTACT NAME SAME
 COMPANY
 ADDRESS
 CITY STATE ZIP CODE
 PHONE NO. E-MAIL ADDRESS

PROJECT NO./NAME RACER 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=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

| MERIT LAB NO. FOR LAB USE ONLY | COLLECTION | | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX | # OF BOTTLES | NONE | HCl | HNO ₃ | H ₂ SO ₄ | NaOH | MeOH | OTHER | VOLs | TOC | Dissolved metals | Specific conductivity | TSS | Certifications |
|-----------------------------------|------------|------|---------------------------------------|--------|--------------|------|-----|------------------|--------------------------------|------|------|-------|------|-----|------------------|-----------------------|-----|---|
| | DATE | TIME | | | | | | | | | | | | | | | | |
| 7528P.01 | 6/3/25 | 1104 | SUMP-A-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | 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 <u>Dissolved metals were field filtered</u> <u>Metals ARE: Cr, Cu, Ni, Zn</u> |
| .02 | | 1150 | SUMP-B-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | |
| .03 | | 1230 | SUMP-C-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | |
| .04 | | 1400 | SUMP-D-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | |
| .05 | | 1440 | SUMP-E-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | |
| .06 | | 1515 | SUMP-F-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | |
| .07 | | | SUMP-DUP-20250603 | WSW | 8 | 2 | 3 | 1 | 2 | | | | X | X | X | X | X | |
| .08 | | | Trip Blank-20250603 | L | 1 | 1 | | | | | | | X | | | | | |

RELINQUISHED BY: Savannah Threlkoff Sampler DATE 6-4-25 TIME 1300
 RECEIVED BY: [Signature] DATE 6/4/25 TIME 1130
 RELINQUISHED BY: [Signature] DATE 6/4/25 TIME 1400
 RECEIVED BY: [Signature] DATE 6/4/25 TIME 1400

RELINQUISHED BY: SIGNATURE/ORGANIZATION DATE TIME
 RECEIVED BY: SIGNATURE/ORGANIZATION DATE TIME
 SEAL NO. SEAL INTACT YES NO INITIALS
 SEAL NO. SEAL INTACT YES NO INITIALS
 TEMP. ON ARRIVAL ICE (SOLID) BLUE ICE 24
 ICE (MELTED) NONE

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



Analytical Laboratory Report

Report ID: S75292.01(01)
Generated on 06/11/2025

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

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): S75292.01-S75292.07
Project: RACER Coldwater Road
Collected Date(s): 06/03/2025
Submitted Date/Time: 06/04/2025 14:00
Sampled by: Kevin Schneider
P.O. #: 1940011180 TASK 001

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

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

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 |
| SM2540D | Standard Method 2540 D 2020 |
| SM5310C | Standard Method 5310C 2014 |
| SW3015A | SW 846 Method 3015A Revision 1 February 2007 |



Analytical Laboratory Report

Sample Summary (7 samples)

| Sample ID | Sample Tag | Matrix | Collected Date/Time |
|-----------|--------------------|------------|---------------------|
| S75292.01 | Vault-A-20250603 | Wastewater | 06/03/25 11:15 |
| S75292.02 | Vault-B-20250603 | Wastewater | 06/03/25 12:05 |
| S75292.03 | Vault-C-20250603 | Wastewater | 06/03/25 12:40 |
| S75292.04 | Vault-D-20250603 | Wastewater | 06/03/25 14:15 |
| S75292.05 | Vault-E-20250603 | Wastewater | 06/03/25 14:50 |
| S75292.06 | Vault-F-20250603 | Wastewater | 06/03/25 15:25 |
| S75292.07 | Vault-DUP-20250603 | Wastewater | 06/03/25 00:01 |



Analytical Laboratory Report

Lab Sample ID: S75292.01

Sample Tag: Vault-A-20250603

Collected Date/Time: 06/03/2025 11:15

Matrix: Wastewater

COC Reference: 184997

Sample Containers

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

Extraction / Prep.

| Parameter | Result | Method | Run Date | Analyst | Flags |
|-----------------|-----------|---------|----------------|---------|-------|
| Metal Digestion | Completed | SW3015A | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:28, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,331 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.1 | | 1 |

Method: SM5310C, Run Date: 06/09/25 14:08, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 3.1 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:37, 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 | |
| Nickel, Dissolved | 0.012 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-66-6 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75292.02

Sample Tag: Vault-B-20250603

Collected Date/Time: 06/03/2025 12:05

Matrix: Wastewater

COC Reference: 184997

Sample Containers

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

Extraction / Prep.

| Parameter | Result | Method | Run Date | Analyst | Flags |
|-----------------|-----------|---------|----------------|---------|-------|
| Metal Digestion | Completed | SW3015A | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:30, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 981 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.1 | | 1 |

Method: SM5310C, Run Date: 06/09/25 14:56, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 1.7 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:39, 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 | |
| Nickel, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-66-6 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75292.03

Sample Tag: Vault-C-20250603

Collected Date/Time: 06/03/2025 12:40

Matrix: Wastewater

COC Reference: 184997

Sample Containers

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

Extraction / Prep.

| Parameter | Result | Method | Run Date | Analyst | Flags |
|-----------------|-----------|---------|----------------|---------|-------|
| Metal Digestion | Completed | SW3015A | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:34, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,696 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/09/25 16:06, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 4.1 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:40, 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 | |
| Nickel, Dissolved | 0.008 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-66-6 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75292.04

Sample Tag: Vault-D-20250603

Collected Date/Time: 06/03/2025 14:15

Matrix: Wastewater

COC Reference: 184997

Sample Containers

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

Extraction / Prep.

| Parameter | Result | Method | Run Date | Analyst | Flags |
|-----------------|-----------|---------|----------------|---------|-------|
| Metal Digestion | Completed | SW3015A | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:36, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,402 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/09/25 16:30, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 3.6 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:41, 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 | |
| Nickel, Dissolved | 0.012 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | 0.008 | 0.005 | | mg/L | 5 | 7440-66-6 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75292.05

Sample Tag: Vault-E-20250603

Collected Date/Time: 06/03/2025 14:50

Matrix: Wastewater

COC Reference: 184997

Sample Containers

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

Extraction / Prep.

| Parameter | Result | Method | Run Date | Analyst | Flags |
|-----------------|-----------|---------|----------------|---------|-------|
| Metal Digestion | Completed | SW3015A | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:38, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,151 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.1 | | 1 |

Method: SM5310C, Run Date: 06/09/25 16:53, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 1.6 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:42, 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 | |
| Nickel, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-66-6 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75292.06

Sample Tag: Vault-F-20250603

Collected Date/Time: 06/03/2025 15:25

Matrix: Wastewater

COC Reference: 184997

Sample Containers

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

Extraction / Prep.

| Parameter | Result | Method | Run Date | Analyst | Flags |
|-----------------|-----------|---------|----------------|---------|-------|
| Metal Digestion | Completed | SW3015A | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:40, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,570 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.1 | | 1 |

Method: SM5310C, Run Date: 06/09/25 17:17, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 1.7 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:44, 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 | |
| Nickel, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-66-6 | |

1-Sample volume provided did not allow required target of 2.5mg of residue



Analytical Laboratory Report

Lab Sample ID: S75292.07

Sample Tag: Vault-DUP-20250603

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

Matrix: Wastewater

COC Reference: 184997

Sample Containers

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

Extraction / Prep.

| Parameter | Result | Method | Run Date | Analyst | Flags |
|-----------------|-----------|---------|----------------|---------|-------|
| Metal Digestion | Completed | SW3015A | 06/05/25 11:15 | CCM | |

Inorganics

Method: E120.1, Run Date: 06/11/25 12:42, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|--------------|--------|----|-----|----------|----------|------|-------|
| Conductivity | 1,706 | 1 | | umhos/cm | 1 | | |

Method: SM2540D, Run Date: 06/06/25 16:00, Analyst: SRH

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|------------------------|--------------|----|-----|-------|----------|------|-------|
| Total Suspended Solids | Not detected | 3 | | mg/L | 1.2 | | 1 |

Method: SM5310C, Run Date: 06/09/25 17:41, Analyst: JKB

| Parameter | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|-----------|--------|----|-----|-------|----------|------|-------|
| TOC | 4.1 | 1 | | mg/L | 1 | | |

Metals

Method: E200.8, Run Date: 06/05/25 13:45, 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 | |
| Nickel, Dissolved | 0.009 | 0.005 | | mg/L | 5 | 7440-02-0 | |
| Zinc, Dissolved | Not detected | 0.005 | | mg/L | 5 | 7440-66-6 | |

1-Sample volume provided did not allow required target of 2.5mg of residue

Merit Laboratories Login Checklist

Lab Set ID:S75292

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 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: S75292 Submitted: 06/04/2025 14:00

Client: RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Initial Preservation Check: 06/04/2025 16:58 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 |
|-----------|-----------------------|-----------|--------|----------|-------|
| S75292.01 | 125ml Plastic HNO3 | <2 | | | |
| S75292.02 | 125ml Plastic HNO3 | <2 | | | |
| S75292.03 | 125ml Plastic HNO3 | <2 | | | |
| S75292.04 | 125ml Plastic HNO3 | <2 | | | |
| S75292.05 | 125ml Plastic HNO3 | <2 | | | |
| S75292.06 | 125ml Plastic HNO3 | <2 | | | |
| S75292.07 | 125ml Plastic HNO3 | <2 | | | |



Quality Control Report

Report ID: QC-S75292-01
Generated on 06/12/2025

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): S75292.01-S75292.07
Project: RACER Coldwater Road
Submitted Date/Time: 06/04/2025 14:00
Sampled by: Kevin Schneider
P.O. #: 1940011180 TASK 001

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-8)
Prep Batch Summary (Pages 9-10)
Batch QC Results (Pages 11-15)

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: S75292.01

Sample Tag: Vault-A-20250603

Collected Date/Time: 06/03/2025 11:15

Matrix: Wastewater

COC Reference: 184997

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|--------------------------|---------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:28 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/09/25 14:08 | TOC250609-W1 | TOC250609-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |

QC Report - Analysis Summary

Lab Sample ID: S75292.02

Sample Tag: Vault-B-20250603

Collected Date/Time: 06/03/2025 12:05

Matrix: Wastewater

COC Reference: 184997

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|--------------------------|---------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:30 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/09/25 14:56 | TOC250609-W1 | TOC250609-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |

QC Report - Analysis Summary

Lab Sample ID: S75292.03

Sample Tag: Vault-C-20250603

Collected Date/Time: 06/03/2025 12:40

Matrix: Wastewater

COC Reference: 184997

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|--------------------------|---------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:34 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/09/25 16:06 | TOC250609-W1 | TOC250609-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |

QC Report - Analysis Summary

Lab Sample ID: S75292.04

Sample Tag: Vault-D-20250603

Collected Date/Time: 06/03/2025 14:15

Matrix: Wastewater

COC Reference: 184997

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|--------------------------|---------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:36 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/09/25 16:30 | TOC250609-W1 | TOC250609-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |

QC Report - Analysis Summary

Lab Sample ID: S75292.05

Sample Tag: Vault-E-20250603

Collected Date/Time: 06/03/2025 14:50

Matrix: Wastewater

COC Reference: 184997

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|--------------------------|---------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:38 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/09/25 16:53 | TOC250609-W1 | TOC250609-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |

QC Report - Analysis Summary

Lab Sample ID: S75292.06

Sample Tag: Vault-F-20250603

Collected Date/Time: 06/03/2025 15:25

Matrix: Wastewater

COC Reference: 184997

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|--------------------------|---------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:40 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/09/25 17:17 | TOC250609-W1 | TOC250609-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |

QC Report - Analysis Summary

Lab Sample ID: S75292.07

Sample Tag: Vault-DUP-20250603

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

Matrix: Wastewater

COC Reference: 184997

| Analysis | Method | Run Date/Time | Batch ID | Prep ID | Surr | QC Types |
|--------------------------|---------|----------------|---------------|---------------|------|-------------------|
| <i>Inorganics</i> | | | | | | |
| Conductivity | E120.1 | 06/11/25 12:42 | COND250611-W1 | COND250611-W1 | No | BLK/LCS/DUP |
| TOC | SM5310C | 06/09/25 17:41 | TOC250609-W1 | TOC250609-W1 | No | BLK/LCS/MS/MSD/DU |
| Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A | TSS250606A | No | BLK/LCS/DUP |
| <i>Metals</i> | | | | | | |
| Chromium, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Copper, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Nickel, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |
| Zinc, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A | MTD-060525-5 | No | BLK/LCS/MS/MSD |

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: COND250611-W1

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|--------------|--------|----------------|---------------|
| S75292.01 | Conductivity | E120.1 | 06/11/25 12:28 | COND250611-W1 |
| S75292.02 | Conductivity | E120.1 | 06/11/25 12:30 | COND250611-W1 |
| S75292.03 | Conductivity | E120.1 | 06/11/25 12:34 | COND250611-W1 |
| S75292.04 | Conductivity | E120.1 | 06/11/25 12:36 | COND250611-W1 |
| S75292.05 | Conductivity | E120.1 | 06/11/25 12:38 | COND250611-W1 |
| S75292.06 | Conductivity | E120.1 | 06/11/25 12:40 | COND250611-W1 |
| S75292.07 | Conductivity | E120.1 | 06/11/25 12:42 | COND250611-W1 |

Inorganics, Prep Batch ID: TOC250609-W1

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|----------|---------|----------------|--------------|
| S75292.01 | TOC | SM5310C | 06/09/25 14:08 | TOC250609-W1 |
| S75292.02 | TOC | SM5310C | 06/09/25 14:56 | TOC250609-W1 |
| S75292.03 | TOC | SM5310C | 06/09/25 16:06 | TOC250609-W1 |
| S75292.04 | TOC | SM5310C | 06/09/25 16:30 | TOC250609-W1 |
| S75292.05 | TOC | SM5310C | 06/09/25 16:53 | TOC250609-W1 |
| S75292.06 | TOC | SM5310C | 06/09/25 17:17 | TOC250609-W1 |
| S75292.07 | TOC | SM5310C | 06/09/25 17:41 | TOC250609-W1 |

Inorganics, Prep Batch ID: TSS250606A

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|------------------------|---------|----------------|------------|
| S75292.01 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75292.02 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75292.03 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75292.04 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75292.05 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75292.06 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |
| S75292.07 | Total Suspended Solids | SM2540D | 06/06/25 16:00 | TSS250606A |

Metals, Prep Batch ID: MTD-060525-5

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|---------------------|--------|----------------|--------------|
| S75292.01 | Chromium, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A |
| S75292.01 | Copper, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A |
| S75292.01 | Nickel, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A |
| S75292.01 | Zinc, Dissolved | E200.8 | 06/05/25 13:37 | MT4-25-0605A |
| S75292.02 | Chromium, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A |
| S75292.02 | Copper, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A |
| S75292.02 | Nickel, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A |
| S75292.02 | Zinc, Dissolved | E200.8 | 06/05/25 13:39 | MT4-25-0605A |
| S75292.03 | Chromium, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A |
| S75292.03 | Copper, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A |
| S75292.03 | Nickel, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A |
| S75292.03 | Zinc, Dissolved | E200.8 | 06/05/25 13:40 | MT4-25-0605A |
| S75292.04 | Chromium, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A |
| S75292.04 | Copper, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A |
| S75292.04 | Nickel, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A |
| S75292.04 | Zinc, Dissolved | E200.8 | 06/05/25 13:41 | MT4-25-0605A |
| S75292.05 | Chromium, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A |

QC Report - Prep Batch Summary

Metals, Prep Batch ID: MTD-060525-5 (continued)

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

| Sample ID | Analysis | Method | Run Date/Time | Batch ID |
|-----------|---------------------|--------|----------------|--------------|
| S75292.05 | Copper, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A |
| S75292.05 | Nickel, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A |
| S75292.05 | Zinc, Dissolved | E200.8 | 06/05/25 13:42 | MT4-25-0605A |
| S75292.06 | Chromium, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A |
| S75292.06 | Copper, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A |
| S75292.06 | Nickel, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A |
| S75292.06 | Zinc, Dissolved | E200.8 | 06/05/25 13:44 | MT4-25-0605A |
| S75292.07 | Chromium, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A |
| S75292.07 | Copper, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A |
| S75292.07 | Nickel, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A |
| S75292.07 | Zinc, Dissolved | E200.8 | 06/05/25 13:45 | MT4-25-0605A |

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: 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

Inorganics, Prep Batch ID: TSS250606A

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

Blank (BLK)

Lab Sample ID: TSS250606A.LRB1

Run in Batch: TSS250606A, Run Date: 06/06/2025 16:00, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | Conc | RDL | Units |
|------------------------|-------|------|-----|-------|
| Total Suspended Solids | | ND | 3 | mg/L |

Laboratory Control Sample (LCS)

Lab Sample ID: TSS250606A.LCS1

Run in Batch: TSS250606A, Run Date: 06/06/2025 16:00, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 10

| Analyte | Flags | % Rec | LCL | UCL |
|------------------------|-------|-------|------|-----|
| Total Suspended Solids | | 94.9 | 80.9 | 112 |

Duplicate (DUP)

Lab Sample ID: TSS250606A.DP1, Parent Sample ID: S75260.01

Run in Batch: TSS250606A, Run Date: 06/06/2025 16:00, Prep Date: 06/06/2025, Matrix: Liquid, Dilution: 4

| Analyte | Flags | RPD | RPD CL |
|------------------------|-------|-----|--------|
| Total Suspended Solids | | 0.3 | 10 |

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-060525-5

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

Blank (BLK)

Lab Sample ID: MT4-25-0605A.058.LRB

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:02, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0605A.057.LCS

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:01, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 1

| Analyte | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chromium | | 103 | 85 | 115 |
| Copper | | 99 | 85 | 115 |
| Nickel | | 105 | 85 | 115 |
| Zinc | | 101 | 85 | 115 |

Matrix Spike (MS)

Lab Sample ID: MT4-25-0605A.071.MS, Parent Sample ID: S75290.21

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:25, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chromium | | 110 | 75 | 125 |
| Copper | | 104 | 75 | 125 |
| Nickel | | 110 | 75 | 125 |
| Zinc | | 106 | 75 | 125 |

Matrix Spike (MS)

Lab Sample ID: MT4-25-0605A.084.MS, Parent Sample ID: S75292.07

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:48, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL |
|----------|-------|-------|-----|-----|
| Chromium | | 114 | 75 | 125 |
| Copper | | 106 | 75 | 125 |
| Nickel | | 112 | 75 | 125 |
| Zinc | | 109 | 75 | 125 |

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0605A.072.MSD, Parent Sample ID: MT4-25-0605A.071.MS

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:26, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chromium | | 108 | 75 | 125 | 2 | 20 |
| Copper | | 104 | 75 | 125 | 0 | 20 |
| Nickel | | 107 | 75 | 125 | 2 | 20 |
| Zinc | | 108 | 75 | 125 | 1 | 20 |

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-060525-5 (continued)

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

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0605A.085.MSD, Parent Sample ID: MT4-25-0605A.084.MS

Run in Batch: MT4-25-0605A, Run Date: 06/05/2025 13:49, Prep Date: 06/05/2025, Matrix: Liquid, Dilution: 5

| Analyte | Flags | % Rec | LCL | UCL | RPD | RPD CL |
|----------|-------|-------|-----|-----|-----|--------|
| Chromium | | 113 | 75 | 125 | 1 | 20 |
| Copper | | 104 | 75 | 125 | 2 | 20 |
| Nickel | | 109 | 75 | 125 | 2 | 20 |
| Zinc | | 109 | 75 | 125 | 0 | 20 |

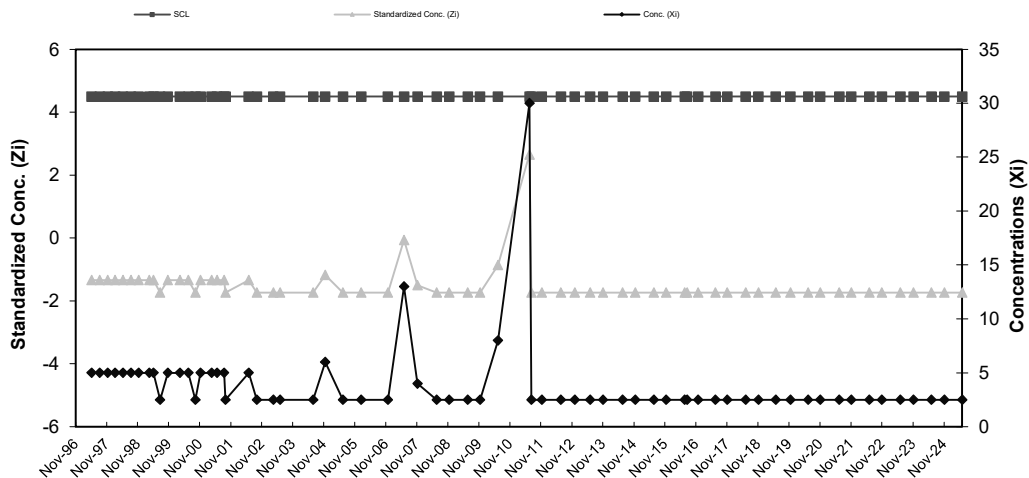
APPENDIX C
LEAK DETECTION VAULT CONTROL CHARTS

**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault A - Chromium**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 10 | 13.38 | 6.25 |
| 2 | Jun-95 | 24 | | |
| 3 | Aug-95 | 10 | | |
| 4 | Nov-95 | 23 | | |
| 5 | Mar-96 | 10 | | |
| 6 | Jun-96 | 10 | | |
| 7 | Aug-96 | 10 | | |
| 8 | Nov-96 | 10 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-97 | 4.5 | 5 | -1.34 | 46 | Nov-11 | 4.5 | 2.5 | -1.74 |
| 10 | Aug-97 | 4.5 | 5 | -1.34 | 47 | Jun-12 | 4.5 | 2.5 | -1.74 |
| 11 | Nov-97 | 4.5 | 5 | -1.34 | 48 | Dec-12 | 4.5 | 2.5 | -1.74 |
| 12 | Feb-98 | 4.5 | 5 | -1.34 | 49 | Jun-13 | 4.5 | 2.5 | -1.74 |
| 13 | May-98 | 4.5 | 5 | -1.34 | 50 | Nov-13 | 4.5 | 2.5 | -1.74 |
| 14 | Aug-98 | 4.5 | 5 | -1.34 | 51 | Jun-14 | 4.5 | 2.5 | -1.74 |
| 15 | Nov-98 | 4.5 | 5 | -1.34 | 52 | Nov-14 | 4.5 | 2.5 | -1.74 |
| 16 | Mar-99 | 4.5 | 5 | -1.34 | 53 | Jun-15 | 4.5 | 2.5 | -1.74 |
| 17 | May-99 | 4.5 | 5 | -1.34 | 54 | Nov-15 | 4.5 | 2.5 | -1.74 |
| 18 | Jul-99 | 4.5 | 2.5 | -1.74 | 55 | Jun-16 | 4.5 | 2.5 | -1.74 |
| 19 | Oct-99 | 4.5 | 5 | -1.34 | 56 | Jul-16 | 4.5 | 2.5 | -1.74 |
| 20 | Mar-00 | 4.5 | 5 | -1.34 | 57 | Nov-16 | 4.5 | 2.5 | -1.74 |
| 21 | Jun-00 | 4.5 | 5 | -1.34 | 58 | Jun-17 | 4.5 | 2.5 | -1.74 |
| 22 | Sep-00 | 4.5 | 2.5 | -1.74 | 59 | Nov-17 | 4.5 | 2.5 | -1.74 |
| 23 | Nov-00 | 4.5 | 5 | -1.34 | 60 | Jun-18 | 4.5 | 2.5 | -1.74 |
| 24 | Mar-01 | 4.5 | 5 | -1.34 | 61 | Nov-18 | 4.5 | 2.5 | -1.74 |
| 25 | May-01 | 4.5 | 5 | -1.34 | 62 | May-19 | 4.5 | 2.5 | -1.74 |
| 26 | Aug-01 | 4.5 | 2.5 | -1.74 | 63 | Nov-19 | 4.5 | 2.5 | -1.74 |
| 27 | Aug-01 | 4.5 | 5 | -1.34 | 64 | Jun-20 | 4.5 | 2.5 | -1.74 |
| 28 | May-02 | 4.5 | 5 | -1.34 | 65 | Nov-20 | 4.5 | 2.5 | -1.74 |
| 29 | Sep-02 | 4.5 | 2.5 | -1.74 | 66 | Jun-21 | 4.5 | 2.5 | -1.74 |
| 30 | Mar-03 | 4.5 | 2.5 | -1.74 | 67 | Nov-21 | 4.5 | 2.5 | -1.74 |
| 31 | Jun-03 | 4.5 | 2.5 | -1.74 | 68 | Jun-22 | 4.5 | 2.5 | -1.74 |
| 32 | Jun-04 | 4.5 | 2.5 | -1.74 | 69 | Nov-22 | 4.5 | 2.5 | -1.74 |
| 33 | Nov-04 | 4.5 | 6 | -1.18 | 70 | Jun-23 | 4.5 | 2.5 | -1.74 |
| 34 | Jun-05 | 4.5 | 2.5 | -1.74 | 71 | Nov-23 | 4.5 | 2.5 | -1.74 |
| 35 | Jan-06 | 4.5 | 2.5 | -1.74 | 72 | Jun-24 | 4.5 | 2.5 | -1.74 |
| 36 | Nov-06 | 4.5 | 2.5 | -1.74 | 73 | Nov-24 | 4.5 | 2.5 | -1.74 |
| 37 | Jun-07 | 4.5 | 13 | -0.06 | 74 | Jun-25 | 4.5 | 2.5 | -1.74 |
| 38 | Nov-07 | 4.5 | 4 | -1.50 | | | | | |
| 39 | Jun-08 | 4.5 | 2.5 | -1.74 | | | | | |
| 40 | Nov-08 | 4.5 | 2.5 | -1.74 | | | | | |
| 41 | Jun-09 | 4.5 | 2.5 | -1.74 | | | | | |
| 42 | Nov-09 | 4.5 | 2.5 | -1.74 | | | | | |
| 43 | Jun-10 | 4.5 | 8 | -0.86 | | | | | |
| 44 | Jun-11 | 4.5 | 30 | 2.66 | | | | | |
| 45 | Jul-11 | 4.5 | 2.5 | -1.74 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

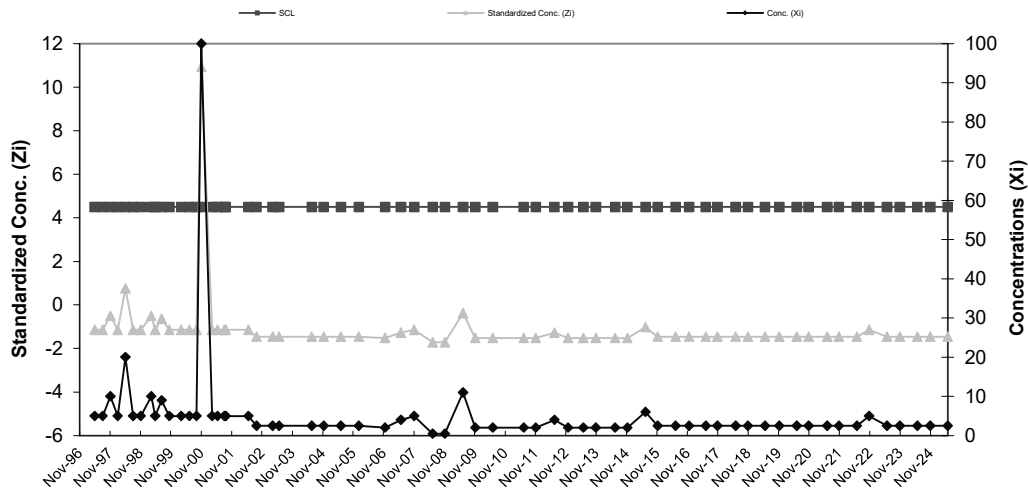


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault A - Copper**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 10 | 14 | 7.87 |
| 2 | Jun-95 | 21 | | |
| 3 | Aug-95 | 10 | | |
| 4 | Nov-95 | 31 | | |
| 5 | Mar-96 | 10 | | |
| 6 | Jun-96 | 10 | | |
| 7 | Aug-96 | 10 | | |
| 8 | Nov-96 | 10 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-97 | 4.5 | 5 | -1.14 | 45 | Nov-11 | 4.5 | 2 | -1.52 |
| 10 | Aug-97 | 4.5 | 5 | -1.14 | 46 | Jun-12 | 4.5 | 4 | -1.27 |
| 11 | Nov-97 | 4.5 | 10 | -0.51 | 47 | Dec-12 | 4.5 | 2 | -1.52 |
| 12 | Feb-98 | 4.5 | 5 | -1.14 | 48 | Jun-13 | 4.5 | 2 | -1.52 |
| 13 | May-98 | 4.5 | 20 | 0.76 | 49 | Nov-13 | 4.5 | 2 | -1.52 |
| 14 | Aug-98 | 4.5 | 5 | -1.14 | 50 | Jun-14 | 4.5 | 2 | -1.52 |
| 15 | Nov-98 | 4.5 | 5 | -1.14 | 51 | Nov-14 | 4.5 | 2 | -1.52 |
| 16 | Mar-99 | 4.5 | 10 | -0.51 | 52 | Jun-15 | 4.5 | 6 | -1.02 |
| 17 | May-99 | 4.5 | 5 | -1.14 | 53 | Nov-15 | 4.5 | 2.5 | -1.46 |
| 18 | Jul-99 | 4.5 | 9 | -0.64 | 54 | Jun-16 | 4.5 | 2.5 | -1.46 |
| 19 | Oct-99 | 4.5 | 5 | -1.14 | 55 | Nov-16 | 4.5 | 2.5 | -1.46 |
| 20 | Mar-00 | 4.5 | 5 | -1.14 | 56 | Jun-17 | 4.5 | 2.5 | -1.46 |
| 21 | Jun-00 | 4.5 | 5 | -1.14 | 57 | Nov-17 | 4.5 | 2.5 | -1.46 |
| 22 | Sep-00 | 4.5 | 5 | -1.14 | 58 | Jun-18 | 4.5 | 2.5 | -1.46 |
| 23 | Nov-00 | 4.5 | 100 | 10.92 | 59 | Nov-18 | 4.5 | 2.5 | -1.46 |
| 24 | Mar-01 | 4.5 | 5 | -1.14 | 60 | May-19 | 4.5 | 2.5 | -1.46 |
| 25 | May-01 | 4.5 | 5 | -1.14 | 61 | Nov-19 | 4.5 | 2.5 | -1.46 |
| 26 | Aug-01 | 4.5 | 5 | -1.14 | 62 | Jun-20 | 4.5 | 2.5 | -1.46 |
| 27 | Aug-01 | 4.5 | 5 | -1.14 | 63 | Nov-20 | 4.5 | 2.5 | -1.46 |
| 28 | May-02 | 4.5 | 5 | -1.14 | 64 | Jun-21 | 4.5 | 2.5 | -1.46 |
| 29 | Sep-02 | 4.5 | 2.5 | -1.46 | 65 | Nov-21 | 4.5 | 2.5 | -1.46 |
| 30 | Mar-03 | 4.5 | 2.5 | -1.46 | 66 | Jun-22 | 4.5 | 2.5 | -1.46 |
| 31 | Jun-03 | 4.5 | 2.5 | -1.46 | 67 | Nov-22 | 4.5 | 5 | -1.14 |
| 32 | Jun-04 | 4.5 | 2.5 | -1.46 | 68 | Jun-23 | 4.5 | 2.5 | -1.46 |
| 33 | Nov-04 | 4.5 | 2.5 | -1.46 | 69 | Nov-23 | 4.5 | 2.5 | -1.46 |
| 34 | Jun-05 | 4.5 | 2.5 | -1.46 | 70 | Jun-24 | 4.5 | 2.5 | -1.46 |
| 35 | Jan-06 | 4.5 | 2.5 | -1.46 | 71 | Nov-24 | 4.5 | 2.5 | -1.46 |
| 36 | Nov-06 | 4.5 | 2 | -1.52 | 72 | Jun-25 | 4.5 | 2.5 | -1.46 |
| 37 | Jun-07 | 4.5 | 4 | -1.27 | | | | | |
| 38 | Nov-07 | 4.5 | 5 | -1.14 | | | | | |
| 39 | Jun-08 | 4.5 | 0.5 | -1.71 | | | | | |
| 40 | Nov-08 | 4.5 | 0.5 | -1.71 | | | | | |
| 41 | Jun-09 | 4.5 | 11 | -0.38 | | | | | |
| 42 | Nov-09 | 4.5 | 2 | -1.52 | | | | | |
| 43 | Jun-10 | 4.5 | 2 | -1.52 | | | | | |
| 44 | Jun-11 | 4.5 | 2 | -1.52 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

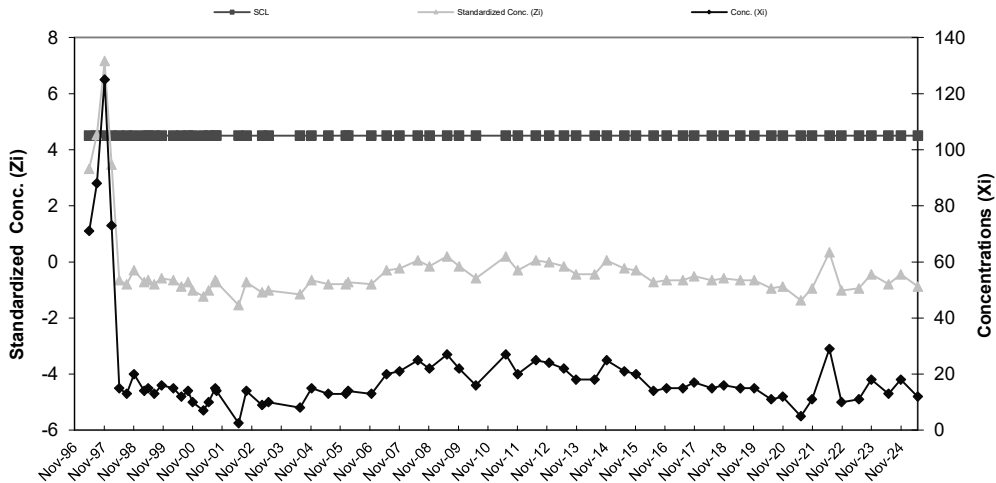


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault A - Nickel**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 20 | 24.25 | 14.07 |
| 2 | Jun-95 | 15 | | |
| 3 | Aug-95 | 20 | | |
| 4 | Nov-95 | 43 | | |
| 5 | Mar-96 | 46 | | |
| 6 | Jun-96 | 10 | | |
| 7 | Aug-96 | 10 | | |
| 8 | Nov-96 | 30 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-97 | 4.5 | 71 | 3.32 | 46 | Nov-11 | 4.5 | 20 | -0.30 |
| 10 | Aug-97 | 4.5 | 88 | 4.53 | 47 | Jun-12 | 4.5 | 25 | 0.05 |
| 11 | Nov-97 | 4.5 | 125 | 7.16 | 48 | Dec-12 | 4.5 | 24 | -0.02 |
| 12 | Feb-98 | 4.5 | 73 | 3.47 | 49 | Jun-13 | 4.5 | 22 | -0.16 |
| 13 | May-98 | 4.5 | 15 | -0.66 | 50 | Nov-13 | 4.5 | 18 | -0.44 |
| 14 | Aug-98 | 4.5 | 13 | -0.80 | 51 | Jun-14 | 4.5 | 18 | -0.44 |
| 15 | Nov-98 | 4.5 | 20 | -0.30 | 52 | Nov-14 | 4.5 | 25 | 0.05 |
| 16 | Mar-99 | 4.5 | 14 | -0.73 | 53 | Jun-15 | 4.5 | 21 | -0.23 |
| 17 | May-99 | 4.5 | 15 | -0.66 | 54 | Nov-15 | 4.5 | 20 | -0.30 |
| 18 | Jul-99 | 4.5 | 13 | -0.80 | 55 | Jun-16 | 4.5 | 14 | -0.73 |
| 19 | Oct-99 | 4.5 | 16 | -0.59 | 56 | Nov-16 | 4.5 | 15 | -0.66 |
| 20 | Mar-00 | 4.5 | 15 | -0.66 | 57 | Jun-17 | 4.5 | 15 | -0.66 |
| 21 | Jun-00 | 4.5 | 12 | -0.87 | 58 | Nov-17 | 4.5 | 17 | -0.52 |
| 22 | Sep-00 | 4.5 | 14 | -0.73 | 59 | Jun-18 | 4.5 | 15 | -0.66 |
| 23 | Nov-00 | 4.5 | 10 | -1.01 | 60 | Nov-18 | 4.5 | 16 | -0.59 |
| 24 | Mar-01 | 4.5 | 7 | -1.23 | 61 | May-19 | 4.5 | 15 | -0.66 |
| 25 | May-01 | 4.5 | 10 | -1.01 | 62 | Nov-19 | 4.5 | 15 | -0.66 |
| 26 | Aug-01 | 4.5 | 14 | -0.73 | 63 | Jun-20 | 4.5 | 11 | -0.94 |
| 27 | Aug-01 | 4.5 | 15 | -0.66 | 64 | Nov-20 | 4.5 | 12 | -0.87 |
| 28 | May-02 | 4.5 | 2.5 | -1.55 | 65 | Jun-21 | 4.5 | 5 | -1.37 |
| 29 | Sep-02 | 4.5 | 14 | -0.73 | 66 | Nov-21 | 4.5 | 11 | -0.94 |
| 30 | Mar-03 | 4.5 | 9 | -1.08 | 67 | Jun-22 | 4.5 | 29 | 0.34 |
| 31 | Jun-03 | 4.5 | 10 | -1.01 | 68 | Nov-22 | 4.5 | 10 | -1.01 |
| 32 | Jun-04 | 4.5 | 8 | -1.16 | 69 | Jun-23 | 4.5 | 11 | -0.94 |
| 33 | Nov-04 | 4.5 | 15 | -0.66 | 70 | Nov-23 | 4.5 | 18 | -0.44 |
| 34 | Jun-05 | 4.5 | 13 | -0.80 | 71 | Jun-24 | 4.5 | 13 | -0.80 |
| 35 | Jan-06 | 4.5 | 13 | -0.80 | 72 | Nov-24 | 4.5 | 18 | -0.44 |
| 36 | Feb-06 | 4.5 | 14 | -0.73 | 73 | Jun-25 | 4.5 | 12 | -0.87 |
| 37 | Nov-06 | 4.5 | 13 | -0.80 | | | | | |
| 38 | Jun-07 | 4.5 | 20 | -0.30 | | | | | |
| 39 | Nov-07 | 4.5 | 21 | -0.23 | | | | | |
| 40 | Jun-08 | 4.5 | 25 | 0.05 | | | | | |
| 41 | Nov-08 | 4.5 | 22 | -0.16 | | | | | |
| 42 | Jun-09 | 4.5 | 27 | 0.20 | | | | | |
| 43 | Nov-09 | 4.5 | 22 | -0.16 | | | | | |
| 44 | Jun-10 | 4.5 | 16 | -0.59 | | | | | |
| 45 | Jun-11 | 4.5 | 27 | 0.20 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

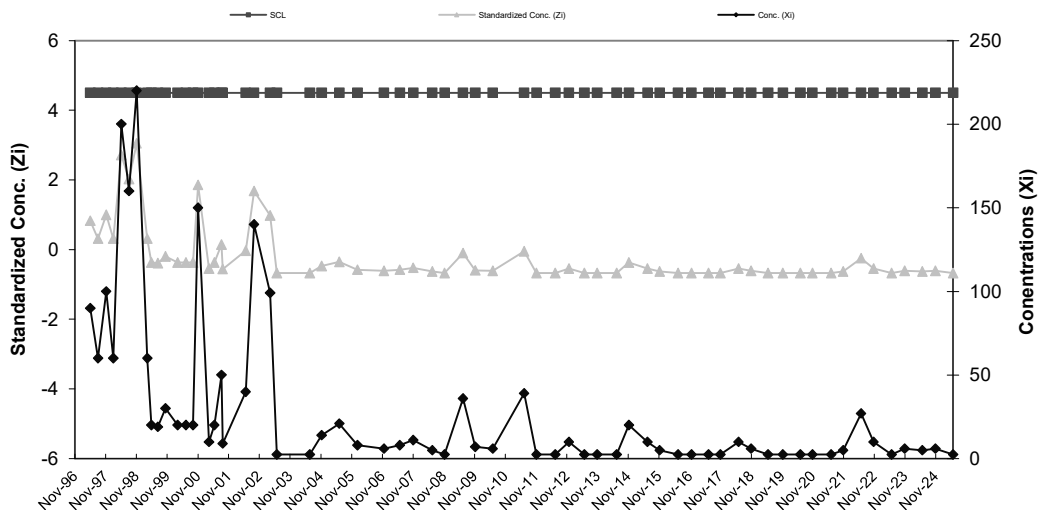


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault A - Zinc

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 180 | 41.75 | 58.47 |
| 2 | Jun-95 | 10 | | |
| 3 | Aug-95 | 10 | | |
| 4 | Nov-95 | 24 | | |
| 5 | Mar-96 | 10 | | |
| 6 | Jun-96 | 10 | | |
| 7 | Aug-96 | 30 | | |
| 8 | Nov-96 | 60 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-97 | 4.5 | 90 | 0.83 | 45 | Nov-11 | 4.5 | 2.5 | -0.67 |
| 10 | Aug-97 | 4.5 | 60 | 0.31 | 46 | Jun-12 | 4.5 | 2.5 | -0.67 |
| 11 | Nov-97 | 4.5 | 100 | 1.00 | 47 | Dec-12 | 4.5 | 10 | -0.54 |
| 12 | Feb-98 | 4.5 | 60 | 0.31 | 48 | Jun-13 | 4.5 | 2.5 | -0.67 |
| 13 | May-98 | 4.5 | 200 | 2.71 | 49 | Nov-13 | 4.5 | 2.5 | -0.67 |
| 14 | Aug-98 | 4.5 | 160 | 2.02 | 50 | Jun-14 | 4.5 | 2.5 | -0.67 |
| 15 | Nov-98 | 4.5 | 220 | 3.05 | 51 | Nov-14 | 4.5 | 20 | -0.37 |
| 16 | Mar-99 | 4.5 | 60 | 0.31 | 52 | Jun-15 | 4.5 | 10 | -0.54 |
| 17 | May-99 | 4.5 | 20 | -0.37 | 53 | Nov-15 | 4.5 | 5 | -0.63 |
| 18 | Jul-99 | 4.5 | 19 | -0.39 | 54 | Jun-16 | 4.5 | 2.5 | -0.67 |
| 19 | Oct-99 | 4.5 | 30 | -0.20 | 55 | Nov-16 | 4.5 | 2.5 | -0.67 |
| 20 | Mar-00 | 4.5 | 20 | -0.37 | 56 | Jun-17 | 4.5 | 2.5 | -0.67 |
| 21 | Jun-00 | 4.5 | 20 | -0.37 | 57 | Nov-17 | 4.5 | 2.5 | -0.67 |
| 22 | Sep-00 | 4.5 | 20 | -0.37 | 58 | Jun-18 | 4.5 | 10 | -0.54 |
| 23 | Nov-00 | 4.5 | 150 | 1.85 | 59 | Nov-18 | 4.5 | 6 | -0.61 |
| 24 | Mar-01 | 4.5 | 10 | -0.54 | 60 | May-19 | 4.5 | 2.5 | -0.67 |
| 25 | May-01 | 4.5 | 20 | -0.37 | 61 | Nov-19 | 4.5 | 2.5 | -0.67 |
| 26 | Aug-01 | 4.5 | 9 | -0.56 | 62 | Jun-20 | 4.5 | 2.5 | -0.67 |
| 27 | Aug-01 | 4.5 | 50 | 0.14 | 63 | Nov-20 | 4.5 | 2.5 | -0.67 |
| 28 | May-02 | 4.5 | 40 | -0.03 | 64 | Jun-21 | 4.5 | 2.5 | -0.67 |
| 29 | Sep-02 | 4.5 | 140 | 1.68 | 65 | Nov-21 | 4.5 | 5 | -0.63 |
| 30 | Mar-03 | 4.5 | 99 | 0.98 | 66 | Jun-22 | 4.5 | 27 | -0.25 |
| 31 | Jun-03 | 4.5 | 2.5 | -0.67 | 67 | Nov-22 | 4.5 | 10 | -0.54 |
| 32 | Jun-04 | 4.5 | 2.5 | -0.67 | 68 | Jun-23 | 4.5 | 2.5 | -0.67 |
| 33 | Nov-04 | 4.5 | 14 | -0.47 | 69 | Nov-23 | 4.5 | 6 | -0.61 |
| 34 | Jun-05 | 4.5 | 21 | -0.35 | 70 | Jun-24 | 4.5 | 5 | -0.63 |
| 35 | Jan-06 | 4.5 | 8 | -0.58 | 71 | Nov-24 | 4.5 | 6 | -0.61 |
| 36 | Nov-06 | 4.5 | 6 | -0.61 | 72 | Jun-25 | 4.5 | 2.5 | -0.67 |
| 37 | Jun-07 | 4.5 | 8 | -0.58 | | | | | |
| 38 | Nov-07 | 4.5 | 11 | -0.53 | | | | | |
| 39 | Jun-08 | 4.5 | 5 | -0.63 | | | | | |
| 40 | Nov-08 | 4.5 | 2.5 | -0.67 | | | | | |
| 41 | Jun-09 | 4.5 | 36 | -0.10 | | | | | |
| 42 | Nov-09 | 4.5 | 7 | -0.59 | | | | | |
| 43 | Jun-10 | 4.5 | 6 | -0.61 | | | | | |
| 44 | Jun-11 | 4.5 | 39 | -0.05 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

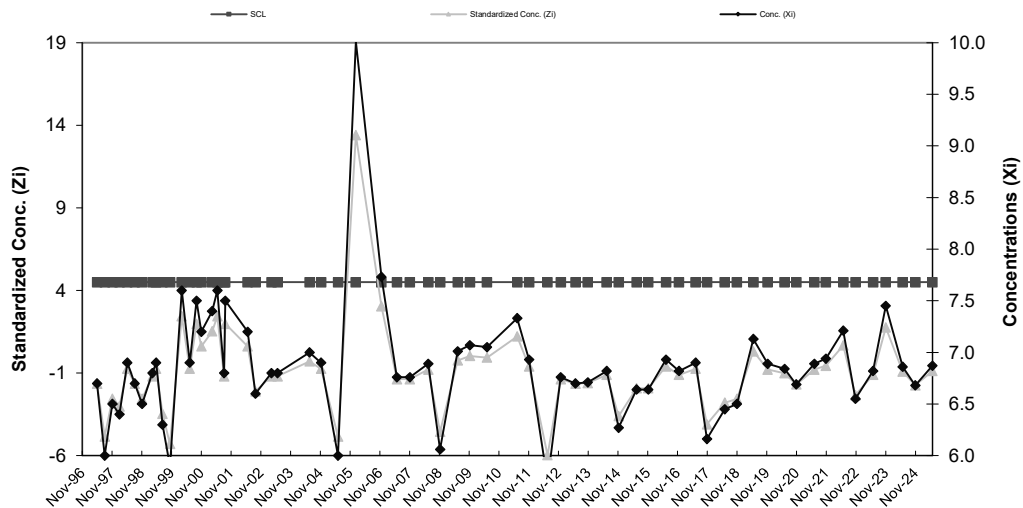


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault A - pH**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 7.5 | 7.06 | 0.22 |
| 2 | Jun-95 | 6.8 | | |
| 3 | Aug-95 | 6.9 | | |
| 4 | Nov-95 | 7 | | |
| 5 | Mar-96 | 7.2 | | |
| 6 | Jun-96 | 6.9 | | |
| 7 | Aug-96 | 7.1 | | |
| 8 | Nov-96 | 7.1 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-97 | 4.5 | 6.70 | -1.65 | 45 | Nov-11 | 4.5 | 6.93 | -0.60 |
| 10 | Aug-97 | 4.5 | 6.00 | -4.83 | 46 | Jun-12 | 4.5 | 5.75 | -5.97 |
| 11 | Nov-97 | 4.5 | 6.50 | -2.56 | 47 | Dec-12 | 4.5 | 6.76 | -1.38 |
| 12 | Feb-98 | 4.5 | 6.40 | -3.01 | 48 | Jun-13 | 4.5 | 6.70 | -1.65 |
| 13 | May-98 | 4.5 | 6.90 | -0.74 | 49 | Nov-13 | 4.5 | 6.71 | -1.60 |
| 14 | Aug-98 | 4.5 | 6.70 | -1.65 | 50 | Jun-14 | 4.5 | 6.82 | -1.10 |
| 15 | Nov-98 | 4.5 | 6.50 | -2.56 | 51 | Nov-14 | 4.5 | 6.27 | -3.60 |
| 16 | Mar-99 | 4.5 | 6.80 | -1.19 | 52 | Jun-15 | 4.5 | 6.64 | -1.92 |
| 17 | May-99 | 4.5 | 6.90 | -0.74 | 53 | Nov-15 | 4.5 | 6.64 | -1.92 |
| 18 | Jul-99 | 4.5 | 6.30 | -3.47 | 54 | Jun-16 | 4.5 | 6.93 | -0.60 |
| 19 | Oct-99 | 4.5 | 5.90 | -5.28 | 55 | Nov-16 | 4.5 | 6.82 | -1.10 |
| 20 | Mar-00 | 4.5 | 7.60 | 2.44 | 56 | Jun-17 | 4.5 | 6.90 | -0.74 |
| 21 | Jun-00 | 4.5 | 6.90 | -0.74 | 57 | Nov-17 | 4.5 | 6.16 | -4.10 |
| 22 | Sep-00 | 4.5 | 7.50 | 1.99 | 58 | Jun-18 | 4.5 | 6.45 | -2.78 |
| 23 | Nov-00 | 4.5 | 7.20 | 0.63 | 59 | Nov-18 | 4.5 | 6.50 | -2.56 |
| 24 | Mar-01 | 4.5 | 7.40 | 1.53 | 60 | May-19 | 4.5 | 7.13 | 0.31 |
| 25 | May-01 | 4.5 | 7.60 | 2.44 | 61 | Nov-19 | 4.5 | 6.89 | -0.78 |
| 26 | Aug-01 | 4.5 | 7.50 | 1.99 | 62 | Jun-20 | 4.5 | 6.84 | -1.01 |
| 27 | Aug-01 | 4.5 | 6.80 | -1.19 | 63 | Nov-20 | 4.5 | 6.69 | -1.69 |
| 28 | May-02 | 4.5 | 7.20 | 0.63 | 64 | Jun-21 | 4.5 | 6.89 | -0.78 |
| 29 | Sep-02 | 4.5 | 6.60 | -2.10 | 65 | Nov-21 | 4.5 | 6.94 | -0.56 |
| 30 | Mar-03 | 4.5 | 6.80 | -1.19 | 66 | Jun-22 | 4.5 | 7.21 | 0.67 |
| 31 | Jun-03 | 4.5 | 6.80 | -1.19 | 67 | Nov-22 | 4.5 | 6.55 | -2.33 |
| 32 | Jun-04 | 4.5 | 7.00 | -0.28 | 68 | Jun-23 | 4.5 | 6.82 | -1.10 |
| 33 | Nov-04 | 4.5 | 6.90 | -0.74 | 69 | Nov-23 | 4.5 | 7.45 | 1.76 |
| 34 | Jun-05 | 4.5 | 6.00 | -4.83 | 70 | Jun-24 | 4.5 | 6.86 | -0.92 |
| 35 | Jan-06 | 4.5 | 10.01 | 13.40 | 71 | Nov-24 | 4.5 | 6.68 | -1.74 |
| 36 | Nov-06 | 4.5 | 7.73 | 3.03 | 72 | Jun-25 | 4.5 | 6.87 | -0.88 |
| 37 | Jun-07 | 4.5 | 6.76 | -1.38 | | | | | |
| 38 | Nov-07 | 4.5 | 6.76 | -1.38 | | | | | |
| 39 | Jun-08 | 4.5 | 6.89 | -0.78 | | | | | |
| 40 | Nov-08 | 4.5 | 6.06 | -4.56 | | | | | |
| 41 | Jun-09 | 4.5 | 7.01 | -0.24 | | | | | |
| 42 | Nov-09 | 4.5 | 7.07 | 0.03 | | | | | |
| 43 | Jun-10 | 4.5 | 7.05 | -0.06 | | | | | |
| 44 | Jun-11 | 4.5 | 7.33 | 1.22 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

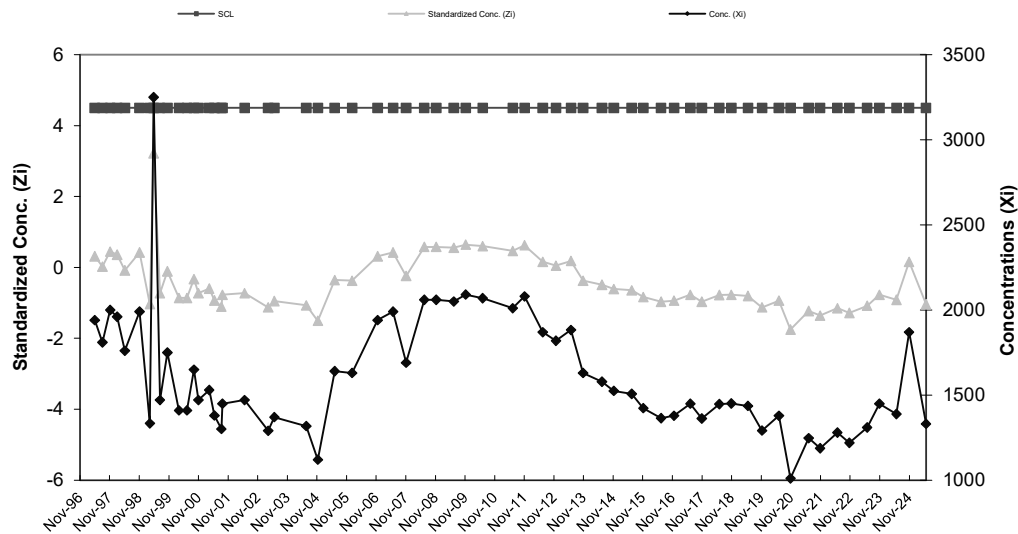


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault A - SpC**

| Baseline Data | | | | |
|---------------|--------|-------|----------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 690 | 1,798.75 | 450.73 |
| 2 | Jun-95 | 1900 | | |
| 3 | Aug-95 | 2000 | | |
| 4 | Nov-95 | 1900 | | |
| 5 | Mar-96 | 2000 | | |
| 6 | Jun-96 | 2000 | | |
| 7 | Aug-96 | 1900 | | |
| 8 | Nov-96 | 2000 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-97 | 4.5 | 1940 | 0.31 | 43 | Nov-11 | 4.5 | 2080 | 0.62 |
| 10 | Aug-97 | 4.5 | 1810 | 0.02 | 44 | Jun-12 | 4.5 | 1870 | 0.16 |
| 11 | Nov-97 | 4.5 | 2000 | 0.45 | 45 | Dec-12 | 4.5 | 1820 | 0.05 |
| 12 | Feb-98 | 4.5 | 1960 | 0.36 | 46 | Jun-13 | 4.5 | 1882 | 0.18 |
| 13 | May-98 | 4.5 | 1760 | -0.09 | 47 | Nov-13 | 4.5 | 1630 | -0.37 |
| 14 | Nov-98 | 4.5 | 1990 | 0.42 | 48 | Jun-14 | 4.5 | 1579 | -0.49 |
| 15 | Mar-99 | 4.5 | 1334 | -1.03 | 49 | Nov-14 | 4.5 | 1525 | -0.61 |
| 16 | May-99 | 4.5 | 3250 | 3.22 | 50 | Jun-15 | 4.5 | 1507 | -0.65 |
| 17 | Jul-99 | 4.5 | 1470 | -0.73 | 51 | Nov-15 | 4.5 | 1423 | -0.83 |
| 18 | Oct-99 | 4.5 | 1750 | -0.11 | 52 | Jun-16 | 4.5 | 1364 | -0.96 |
| 19 | Mar-00 | 4.5 | 1410 | -0.86 | 53 | Nov-16 | 4.5 | 1378 | -0.93 |
| 20 | Jun-00 | 4.5 | 1410 | -0.86 | 54 | Jun-17 | 4.5 | 1450 | -0.77 |
| 21 | Sep-00 | 4.5 | 1650 | -0.33 | 55 | Nov-17 | 4.5 | 1363 | -0.97 |
| 22 | Nov-00 | 4.5 | 1470 | -0.73 | 56 | Jun-18 | 4.5 | 1447 | -0.78 |
| 23 | Mar-01 | 4.5 | 1530 | -0.60 | 57 | Nov-18 | 4.5 | 1451 | -0.77 |
| 24 | May-01 | 4.5 | 1380 | -0.93 | 58 | May-19 | 4.5 | 1436 | -0.80 |
| 25 | Aug-01 | 4.5 | 1450 | -0.77 | 59 | Nov-19 | 4.5 | 1291 | -1.13 |
| 26 | Aug-01 | 4.5 | 1300 | -1.11 | 60 | Jun-20 | 4.5 | 1378 | -0.93 |
| 27 | May-02 | 4.5 | 1470 | -0.73 | 61 | Nov-20 | 4.5 | 1010 | -1.75 |
| 28 | Mar-03 | 4.5 | 1290 | -1.13 | 62 | Jun-21 | 4.5 | 1247 | -1.22 |
| 29 | Jun-03 | 4.5 | 1370 | -0.95 | 63 | Nov-21 | 4.5 | 1187 | -1.36 |
| 30 | Jun-04 | 4.5 | 1318 | -1.07 | 64 | Jun-22 | 4.5 | 1280 | -1.15 |
| 31 | Nov-04 | 4.5 | 1120 | -1.51 | 65 | Nov-22 | 4.5 | 1219 | -1.29 |
| 32 | Jun-05 | 4.5 | 1640 | -0.35 | 66 | Jun-23 | 4.5 | 1310 | -1.08 |
| 33 | Jan-06 | 4.5 | 1630 | -0.37 | 67 | Nov-23 | 4.5 | 1450 | -0.77 |
| 34 | Nov-06 | 4.5 | 1940 | 0.31 | 68 | Jun-24 | 4.5 | 1389 | -0.91 |
| 35 | Jun-07 | 4.5 | 1990 | 0.42 | 69 | Nov-24 | 4.5 | 1869 | 0.16 |
| 36 | Nov-07 | 4.5 | 1690 | -0.24 | 70 | Jun-25 | 4.5 | 1331 | -1.04 |
| 37 | Jun-08 | 4.5 | 2060 | 0.58 | | | | | |
| 38 | Nov-08 | 4.5 | 2060 | 0.58 | | | | | |
| 39 | Jun-09 | 4.5 | 2050 | 0.56 | | | | | |
| 40 | Nov-09 | 4.5 | 2090 | 0.65 | | | | | |
| 41 | Jun-10 | 4.5 | 2070 | 0.60 | | | | | |
| 42 | Jun-11 | 4.5 | 2010 | 0.47 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

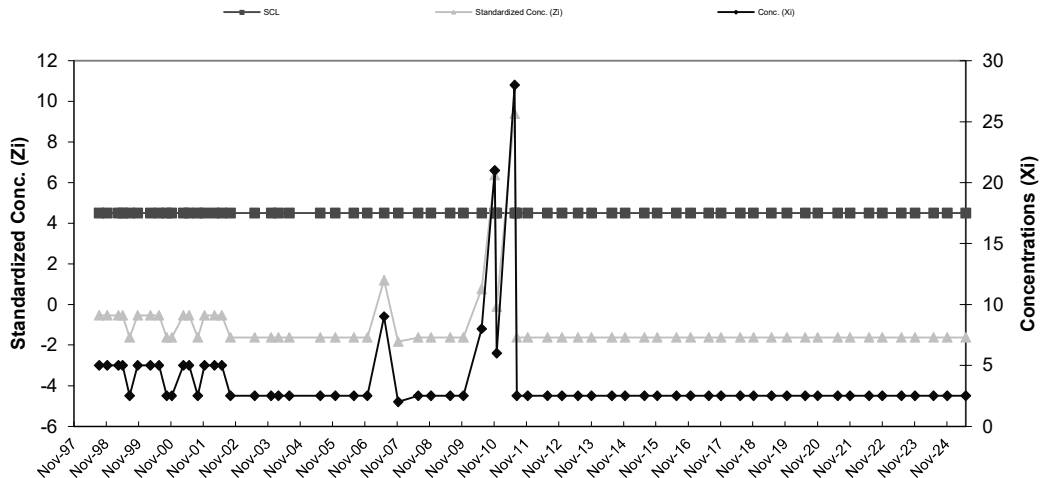


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault B - Chromium**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-96 | 10 | 6.25 | 2.31 |
| 2 | Nov-96 | 10 | | |
| 3 | Feb-97 | 5 | | |
| 4 | May-97 | 5 | | |
| 5 | Aug-97 | 5 | | |
| 6 | Nov-97 | 5 | | |
| 7 | Feb-98 | 5 | | |
| 8 | May-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-98 | 4.5 | 5 | -0.54 | 45 | Nov-11 | 4.5 | 2.5 | -1.62 |
| 10 | Nov-98 | 4.5 | 5 | -0.54 | 46 | Jun-12 | 4.5 | 2.5 | -1.62 |
| 11 | Mar-99 | 4.5 | 5 | -0.54 | 47 | Dec-12 | 4.5 | 2.5 | -1.62 |
| 12 | May-99 | 4.5 | 5 | -0.54 | 48 | Jun-13 | 4.5 | 2.5 | -1.62 |
| 13 | Jul-99 | 4.5 | 2.5 | -1.62 | 49 | Nov-13 | 4.5 | 2.5 | -1.62 |
| 14 | Oct-99 | 4.5 | 5 | -0.54 | 50 | Jun-14 | 4.5 | 2.5 | -1.62 |
| 15 | Mar-00 | 4.5 | 5 | -0.54 | 51 | Nov-14 | 4.5 | 2.5 | -1.62 |
| 16 | Jun-00 | 4.5 | 5 | -0.54 | 52 | Jun-15 | 4.5 | 2.5 | -1.62 |
| 17 | Sep-00 | 4.5 | 2.5 | -1.62 | 53 | Nov-15 | 4.5 | 2.5 | -1.62 |
| 18 | Nov-00 | 4.5 | 2.5 | -1.62 | 54 | Jun-16 | 4.5 | 2.5 | -1.62 |
| 19 | Mar-01 | 4.5 | 5 | -0.54 | 55 | Nov-16 | 4.5 | 2.5 | -1.62 |
| 20 | May-01 | 4.5 | 5 | -0.54 | 56 | Jun-17 | 4.5 | 2.5 | -1.62 |
| 21 | Aug-01 | 4.5 | 2.5 | -1.62 | 57 | Nov-17 | 4.5 | 2.5 | -1.62 |
| 22 | Nov-01 | 4.5 | 5 | -0.54 | 58 | Jun-18 | 4.5 | 2.5 | -1.62 |
| 23 | Mar-02 | 4.5 | 5 | -0.54 | 59 | Nov-18 | 4.5 | 2.5 | -1.62 |
| 24 | May-02 | 4.5 | 5 | -0.54 | 60 | May-19 | 4.5 | 2.5 | -1.62 |
| 25 | Sep-02 | 4.5 | 2.5 | -1.62 | 61 | Nov-19 | 4.5 | 2.5 | -1.62 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.62 | 62 | Jun-20 | 4.5 | 2.5 | -1.62 |
| 27 | Dec-03 | 4.5 | 2.5 | -1.62 | 63 | Nov-20 | 4.5 | 2.5 | -1.62 |
| 28 | Feb-04 | 4.5 | 2.5 | -1.62 | 64 | Jun-21 | 4.5 | 2.5 | -1.62 |
| 29 | Jun-04 | 4.5 | 2.5 | -1.62 | 65 | Nov-21 | 4.5 | 2.5 | -1.62 |
| 30 | Jun-05 | 4.5 | 2.5 | -1.62 | 66 | Jun-22 | 4.5 | 2.5 | -1.62 |
| 31 | Dec-05 | 4.5 | 2.5 | -1.62 | 67 | Nov-22 | 4.5 | 2.5 | -1.62 |
| 32 | Jun-06 | 4.5 | 2.5 | -1.62 | 68 | Jun-23 | 4.5 | 2.5 | -1.62 |
| 33 | Nov-06 | 4.5 | 2.5 | -1.62 | 69 | Nov-23 | 4.5 | 2.5 | -1.62 |
| 34 | Jun-07 | 4.5 | 9 | 1.19 | 70 | Jun-24 | 4.5 | 2.5 | -1.62 |
| 35 | Nov-07 | 4.5 | 2 | -1.84 | 71 | Nov-24 | 4.5 | 2.5 | -1.62 |
| 36 | Jun-08 | 4.5 | 2.5 | -1.62 | 72 | Jun-25 | 4.5 | 2.5 | -1.62 |
| 37 | Nov-08 | 4.5 | 2.5 | -1.62 | | | | | |
| 38 | Jun-09 | 4.5 | 2.5 | -1.62 | | | | | |
| 39 | Nov-09 | 4.5 | 2.5 | -1.62 | | | | | |
| 40 | Jun-10 | 4.5 | 8 | 0.76 | | | | | |
| 41 | Nov-10 | 4.5 | 21 | 6.37 | | | | | |
| 42 | Dec-10 | 4.5 | 6 | -0.11 | | | | | |
| 43 | Jun-11 | 4.5 | 28 | 9.40 | | | | | |
| 44 | Jul-11 | 4.5 | 2.5 | -1.62 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

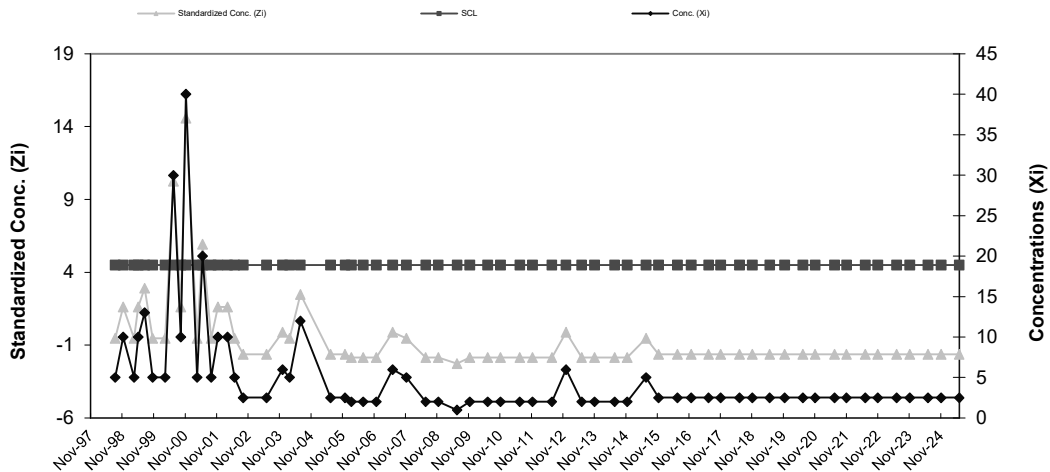


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault B - Copper**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-96 | 10 | 6.25 | 2.31 |
| 2 | Nov-96 | 10 | | |
| 3 | Feb-97 | 5 | | |
| 4 | May-97 | 5 | | |
| 5 | Aug-97 | 5 | | |
| 6 | Nov-97 | 5 | | |
| 7 | Feb-98 | 5 | | |
| 8 | May-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-98 | 4.5 | 5 | -0.54 | 44 | Nov-11 | 4.5 | 2 | -1.84 |
| 10 | Nov-98 | 4.5 | 10 | 1.62 | 45 | Jun-12 | 4.5 | 2 | -1.84 |
| 11 | Mar-99 | 4.5 | 5 | -0.54 | 46 | Dec-12 | 4.5 | 6 | -0.11 |
| 12 | May-99 | 4.5 | 10 | 1.62 | 47 | Jun-13 | 4.5 | 2 | -1.84 |
| 13 | Jul-99 | 4.5 | 13 | 2.92 | 48 | Nov-13 | 4.5 | 2 | -1.84 |
| 14 | Oct-99 | 4.5 | 5 | -0.54 | 49 | Jun-14 | 4.5 | 2 | -1.84 |
| 15 | Mar-00 | 4.5 | 5 | -0.54 | 50 | Nov-14 | 4.5 | 2 | -1.84 |
| 16 | Jun-00 | 4.5 | 30 | 10.26 | 51 | Jun-15 | 4.5 | 5 | -0.54 |
| 17 | Sep-00 | 4.5 | 10 | 1.62 | 52 | Nov-15 | 4.5 | 2.5 | -1.62 |
| 18 | Nov-00 | 4.5 | 40 | 14.58 | 53 | Jun-16 | 4.5 | 2.5 | -1.62 |
| 19 | Mar-01 | 4.5 | 5 | -0.54 | 54 | Nov-16 | 4.5 | 2.5 | -1.62 |
| 20 | May-01 | 4.5 | 20 | 5.94 | 55 | Jun-17 | 4.5 | 2.5 | -1.62 |
| 21 | Aug-01 | 4.5 | 5 | -0.54 | 56 | Nov-17 | 4.5 | 2.5 | -1.62 |
| 22 | Nov-01 | 4.5 | 10 | 1.62 | 57 | Jun-18 | 4.5 | 2.5 | -1.62 |
| 23 | Mar-02 | 4.5 | 10 | 1.62 | 58 | Nov-18 | 4.5 | 2.5 | -1.62 |
| 24 | May-02 | 4.5 | 5 | -0.54 | 59 | May-19 | 4.5 | 2.5 | -1.62 |
| 25 | Sep-02 | 4.5 | 2.5 | -1.62 | 60 | Nov-19 | 4.5 | 2.5 | -1.62 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.62 | 61 | Jun-20 | 4.5 | 2.5 | -1.62 |
| 27 | Dec-03 | 4.5 | 6 | -0.11 | 62 | Nov-20 | 4.5 | 2.5 | -1.62 |
| 28 | Feb-04 | 4.5 | 5 | -0.54 | 63 | Jun-21 | 4.5 | 2.5 | -1.62 |
| 29 | Jun-04 | 4.5 | 12 | 2.48 | 64 | Nov-21 | 4.5 | 2.5 | -1.62 |
| 30 | Jun-05 | 4.5 | 2.5 | -1.62 | 65 | Jun-22 | 4.5 | 2.5 | -1.62 |
| 31 | Dec-05 | 4.5 | 2.5 | -1.62 | 66 | Nov-22 | 4.5 | 2.5 | -1.62 |
| 32 | Feb-06 | 4.5 | 2 | -1.84 | 67 | Jun-23 | 4.5 | 2.5 | -1.62 |
| 33 | Jun-06 | 4.5 | 2 | -1.84 | 68 | Nov-23 | 4.5 | 2.5 | -1.62 |
| 34 | Nov-06 | 4.5 | 2 | -1.84 | 69 | Jun-24 | 4.5 | 2.5 | -1.62 |
| 35 | Jun-07 | 4.5 | 6 | -0.11 | 70 | Nov-24 | 4.5 | 2.5 | -1.62 |
| 36 | Nov-07 | 4.5 | 5 | -0.54 | 71 | Jun-25 | 4.5 | 2.5 | -1.62 |
| 37 | Jun-08 | 4.5 | 2 | -1.84 | | | | | |
| 38 | Nov-08 | 4.5 | 2 | -1.84 | | | | | |
| 39 | Jun-09 | 4.5 | 1 | -2.27 | | | | | |
| 40 | Nov-09 | 4.5 | 2 | -1.84 | | | | | |
| 41 | Jun-10 | 4.5 | 2 | -1.84 | | | | | |
| 42 | Nov-10 | 4.5 | 2 | -1.84 | | | | | |
| 43 | Jun-11 | 4.5 | 2 | -1.84 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

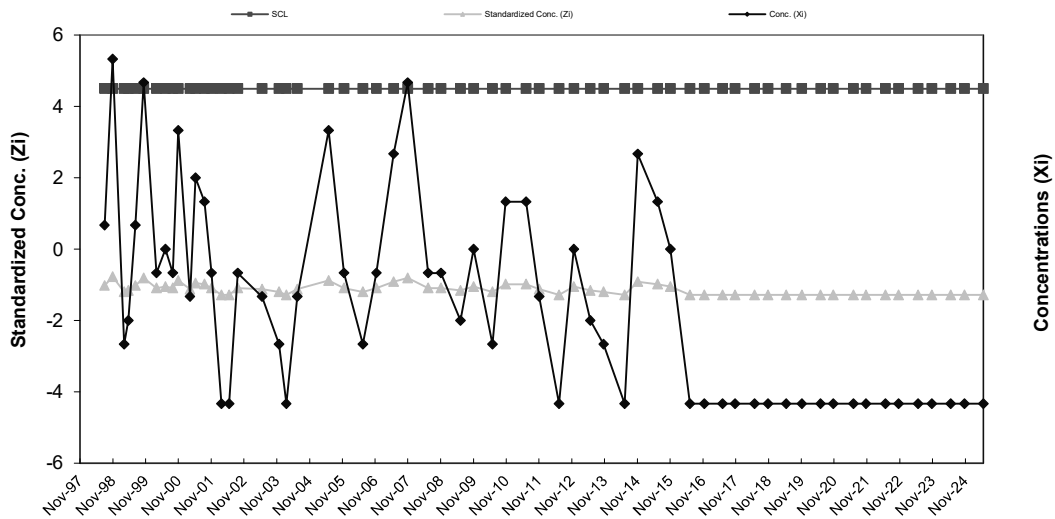


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault B - Nickel**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-96 | 10 | 38.88 | 28.34 |
| 2 | Nov-96 | 20 | | |
| 3 | Feb-97 | 43 | | |
| 4 | May-97 | 45 | | |
| 5 | Aug-97 | 26 | | |
| 6 | Nov-97 | 96 | | |
| 7 | Feb-98 | 57 | | |
| 8 | May-98 | 14 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-98 | 4.5 | 10 | -1.02 | 43 | Nov-11 | 4.5 | 7 | -1.12 |
| 10 | Nov-98 | 4.5 | 17 | -0.77 | 44 | Jun-12 | 4.5 | 2.5 | -1.28 |
| 11 | Mar-99 | 4.5 | 5 | -1.20 | 45 | Dec-12 | 4.5 | 9 | -1.05 |
| 12 | May-99 | 4.5 | 6 | -1.16 | 46 | Jun-13 | 4.5 | 6 | -1.16 |
| 13 | Jul-99 | 4.5 | 10 | -1.02 | 47 | Nov-13 | 4.5 | 5 | -1.20 |
| 14 | Oct-99 | 4.5 | 16 | -0.81 | 48 | Jun-14 | 4.5 | 2.5 | -1.28 |
| 15 | Mar-00 | 4.5 | 8 | -1.09 | 49 | Nov-14 | 4.5 | 13 | -0.91 |
| 16 | Jun-00 | 4.5 | 9 | -1.05 | 50 | Jun-15 | 4.5 | 11 | -0.98 |
| 17 | Sep-00 | 4.5 | 8 | -1.09 | 51 | Nov-15 | 4.5 | 9 | -1.05 |
| 18 | Nov-00 | 4.5 | 14 | -0.88 | 52 | Jun-16 | 4.5 | 2.5 | -1.28 |
| 19 | Mar-01 | 4.5 | 7 | -1.12 | 53 | Nov-16 | 4.5 | 2.5 | -1.28 |
| 20 | May-01 | 4.5 | 12 | -0.95 | 54 | Jun-17 | 4.5 | 2.5 | -1.28 |
| 21 | Aug-01 | 4.5 | 11 | -0.98 | 55 | Nov-17 | 4.5 | 2.5 | -1.28 |
| 22 | Nov-01 | 4.5 | 8 | -1.09 | 56 | Jun-18 | 4.5 | 2.5 | -1.28 |
| 23 | Mar-02 | 4.5 | 2.5 | -1.28 | 57 | Nov-18 | 4.5 | 2.5 | -1.28 |
| 24 | May-02 | 4.5 | 2.5 | -1.28 | 58 | May-19 | 4.5 | 2.5 | -1.28 |
| 25 | Sep-02 | 4.5 | 8 | -1.09 | 59 | Nov-19 | 4.5 | 2.5 | -1.28 |
| 26 | Jun-03 | 4.5 | 7 | -1.12 | 60 | Jun-20 | 4.5 | 2.5 | -1.28 |
| 27 | Dec-03 | 4.5 | 5 | -1.20 | 61 | Nov-20 | 4.5 | 2.5 | -1.28 |
| 28 | Feb-04 | 4.5 | 2.5 | -1.28 | 62 | Jun-21 | 4.5 | 2.5 | -1.28 |
| 29 | Jun-04 | 4.5 | 7 | -1.12 | 63 | Nov-21 | 4.5 | 2.5 | -1.28 |
| 30 | Jun-05 | 4.5 | 14 | -0.88 | 64 | Jun-22 | 4.5 | 2.5 | -1.28 |
| 31 | Dec-05 | 4.5 | 8 | -1.09 | 65 | Nov-22 | 4.5 | 2.5 | -1.28 |
| 32 | Jun-06 | 4.5 | 5 | -1.20 | 66 | Jun-23 | 4.5 | 2.5 | -1.28 |
| 33 | Nov-06 | 4.5 | 8 | -1.09 | 67 | Nov-23 | 4.5 | 2.5 | -1.28 |
| 34 | Jun-07 | 4.5 | 13 | -0.91 | 68 | Jun-24 | 4.5 | 2.5 | -1.28 |
| 35 | Nov-07 | 4.5 | 16 | -0.81 | 69 | Nov-24 | 4.5 | 2.5 | -1.28 |
| 36 | Jun-08 | 4.5 | 8 | -1.09 | 70 | Jun-25 | 4.5 | 2.5 | -1.28 |
| 37 | Nov-08 | 4.5 | 8 | -1.09 | | | | | |
| 38 | Jun-09 | 4.5 | 6 | -1.16 | | | | | |
| 39 | Nov-09 | 4.5 | 9 | -1.05 | | | | | |
| 40 | Jun-10 | 4.5 | 5 | -1.20 | | | | | |
| 41 | Nov-10 | 4.5 | 11 | -0.98 | | | | | |
| 42 | Jun-11 | 4.5 | 11 | -0.98 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

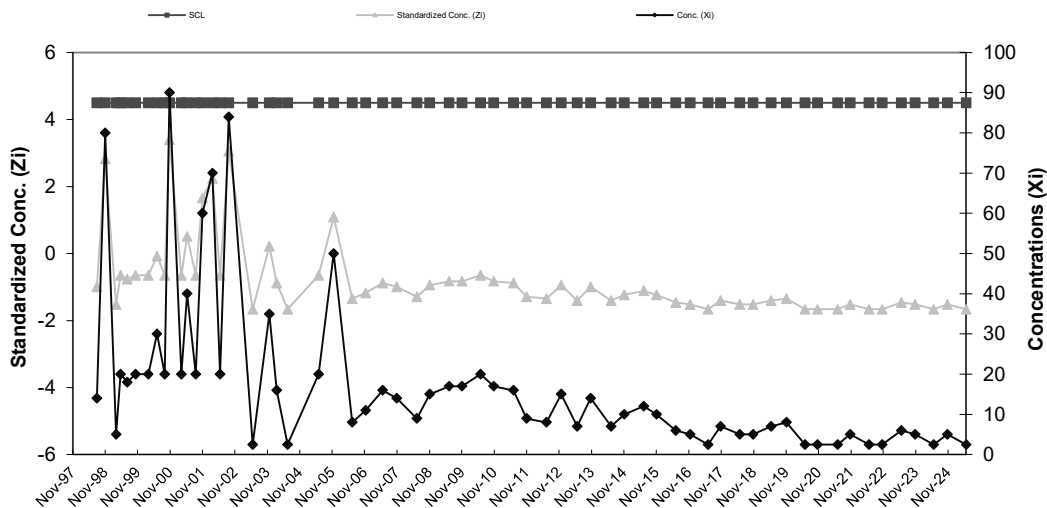


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault B - Zinc**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-96 | 10 | 31.25 | 17.27 |
| 2 | Nov-96 | 40 | | |
| 3 | Feb-97 | 20 | | |
| 4 | May-97 | 20 | | |
| 5 | Aug-97 | 60 | | |
| 6 | Nov-97 | 50 | | |
| 7 | Feb-98 | 20 | | |
| 8 | May-98 | 30 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-98 | 4.5 | 14 | -1.00 | 43 | Nov-11 | 4.5 | 9 | -1.29 |
| 10 | Nov-98 | 4.5 | 80 | 2.82 | 44 | Jun-12 | 4.5 | 8 | -1.35 |
| 11 | Mar-99 | 4.5 | 5 | -1.52 | 45 | Dec-12 | 4.5 | 15 | -0.94 |
| 12 | May-99 | 4.5 | 20 | -0.65 | 46 | Jun-13 | 4.5 | 7 | -1.40 |
| 13 | Jul-99 | 4.5 | 18 | -0.77 | 47 | Nov-13 | 4.5 | 14 | -1.00 |
| 14 | Oct-99 | 4.5 | 20 | -0.65 | 48 | Jun-14 | 4.5 | 7 | -1.40 |
| 15 | Mar-00 | 4.5 | 20 | -0.65 | 49 | Nov-14 | 4.5 | 10 | -1.23 |
| 16 | Jun-00 | 4.5 | 30 | -0.07 | 50 | Jun-15 | 4.5 | 12 | -1.11 |
| 17 | Sep-00 | 4.5 | 20 | -0.65 | 51 | Nov-15 | 4.5 | 10 | -1.23 |
| 18 | Nov-00 | 4.5 | 90 | 3.40 | 52 | Jun-16 | 4.5 | 6 | -1.46 |
| 19 | Mar-01 | 4.5 | 20 | -0.65 | 53 | Nov-16 | 4.5 | 5 | -1.52 |
| 20 | May-01 | 4.5 | 40 | 0.51 | 54 | Jun-17 | 4.5 | 2.5 | -1.66 |
| 21 | Aug-01 | 4.5 | 20 | -0.65 | 55 | Nov-17 | 4.5 | 7 | -1.40 |
| 22 | Nov-01 | 4.5 | 60 | 1.66 | 56 | Jun-18 | 4.5 | 5 | -1.52 |
| 23 | Mar-02 | 4.5 | 70 | 2.24 | 57 | Nov-18 | 4.5 | 5 | -1.52 |
| 24 | May-02 | 4.5 | 20 | -0.65 | 58 | May-19 | 4.5 | 7 | -1.40 |
| 25 | Sep-02 | 4.5 | 84 | 3.05 | 59 | Nov-19 | 4.5 | 8 | -1.35 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.66 | 60 | Jun-20 | 4.5 | 2.5 | -1.66 |
| 27 | Dec-03 | 4.5 | 35 | 0.22 | 61 | Nov-20 | 4.5 | 2.5 | -1.66 |
| 28 | Feb-04 | 4.5 | 16 | -0.88 | 62 | Jun-21 | 4.5 | 2.5 | -1.66 |
| 29 | Jun-04 | 4.5 | 2.5 | -1.66 | 63 | Nov-21 | 4.5 | 5 | -1.52 |
| 30 | Jun-05 | 4.5 | 20 | -0.65 | 64 | Jun-22 | 4.5 | 2.5 | -1.66 |
| 31 | Dec-05 | 4.5 | 50 | 1.09 | 65 | Nov-22 | 4.5 | 2.5 | -1.66 |
| 32 | Jun-06 | 4.5 | 8 | -1.35 | 66 | Jun-23 | 4.5 | 6 | -1.46 |
| 33 | Nov-06 | 4.5 | 11 | -1.17 | 67 | Nov-23 | 4.5 | 5 | -1.52 |
| 34 | Jun-07 | 4.5 | 16 | -0.88 | 68 | Jun-24 | 4.5 | 2.5 | -1.66 |
| 35 | Nov-07 | 4.5 | 14 | -1.00 | 69 | Nov-24 | 4.5 | 5 | -1.52 |
| 36 | Jun-08 | 4.5 | 9 | -1.29 | 70 | Jun-25 | 4.5 | 2.5 | -1.66 |
| 37 | Nov-08 | 4.5 | 15 | -0.94 | | | | | |
| 38 | Jun-09 | 4.5 | 17 | -0.83 | | | | | |
| 39 | Nov-09 | 4.5 | 17 | -0.83 | | | | | |
| 40 | Jun-10 | 4.5 | 20 | -0.65 | | | | | |
| 41 | Nov-10 | 4.5 | 17 | -0.83 | | | | | |
| 42 | Jun-11 | 4.5 | 16 | -0.88 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

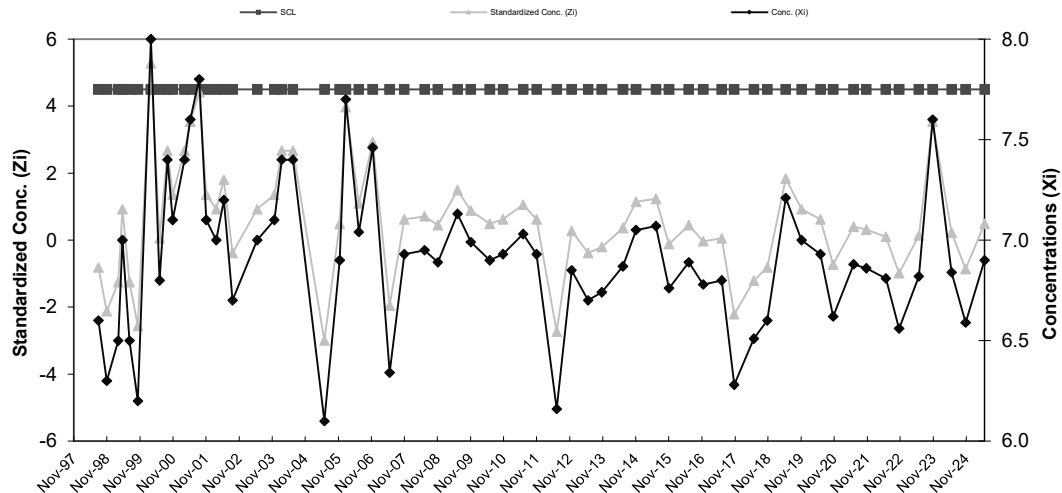


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault B - pH**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-96 | 6.9 | 6.79 | 0.23 |
| 2 | Nov-96 | 7 | | |
| 3 | Feb-97 | 7.1 | | |
| 4 | May-97 | 6.5 | | |
| 5 | Aug-97 | 6.5 | | |
| 6 | Nov-97 | 6.8 | | |
| 7 | Feb-98 | 6.6 | | |
| 8 | May-98 | 6.9 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-98 | 4.5 | 6.60 | -0.82 | 44 | Nov-11 | 4.5 | 6.93 | 0.62 |
| 10 | Nov-98 | 4.5 | 6.30 | -2.12 | 45 | Jun-12 | 4.5 | 6.16 | -2.73 |
| 11 | Mar-99 | 4.5 | 6.50 | -1.25 | 46 | Dec-12 | 4.5 | 6.85 | 0.27 |
| 12 | May-99 | 4.5 | 7.00 | 0.93 | 47 | Jun-13 | 4.5 | 6.70 | -0.38 |
| 13 | Jul-99 | 4.5 | 6.50 | -1.25 | 48 | Nov-13 | 4.5 | 6.74 | -0.21 |
| 14 | Oct-99 | 4.5 | 6.20 | -2.56 | 49 | Jun-14 | 4.5 | 6.87 | 0.36 |
| 15 | Mar-00 | 4.5 | 8.00 | 5.28 | 50 | Nov-14 | 4.5 | 7.05 | 1.14 |
| 16 | Jun-00 | 4.5 | 6.80 | 0.05 | 51 | Jun-15 | 4.5 | 7.07 | 1.23 |
| 17 | Sep-00 | 4.5 | 7.40 | 2.67 | 52 | Nov-15 | 4.5 | 6.76 | -0.12 |
| 18 | Nov-00 | 4.5 | 7.10 | 1.36 | 53 | Jun-16 | 4.5 | 6.89 | 0.45 |
| 19 | Mar-01 | 4.5 | 7.40 | 2.67 | 54 | Nov-16 | 4.5 | 6.78 | -0.03 |
| 20 | May-01 | 4.5 | 7.60 | 3.54 | 55 | Jun-17 | 4.5 | 6.80 | 0.05 |
| 21 | Aug-01 | 4.5 | 7.80 | 4.41 | 56 | Nov-17 | 4.5 | 6.28 | -2.21 |
| 22 | Nov-01 | 4.5 | 7.10 | 1.36 | 57 | Jun-18 | 4.5 | 6.51 | -1.21 |
| 23 | Mar-02 | 4.5 | 7.00 | 0.93 | 58 | Nov-18 | 4.5 | 6.6 | -0.82 |
| 24 | May-02 | 4.5 | 7.20 | 1.80 | 59 | May-19 | 4.5 | 7.21 | 1.84 |
| 25 | Sep-02 | 4.5 | 6.70 | -0.38 | 60 | Nov-19 | 4.5 | 7.00 | 0.93 |
| 26 | Jun-03 | 4.5 | 7.00 | 0.93 | 61 | Jun-20 | 4.5 | 6.93 | 0.62 |
| 27 | Dec-03 | 4.5 | 7.10 | 1.36 | 62 | Nov-20 | 4.5 | 6.62 | -0.73 |
| 28 | Feb-04 | 4.5 | 7.40 | 2.67 | 63 | Jun-21 | 4.5 | 6.88 | 0.40 |
| 29 | Jun-04 | 4.5 | 7.40 | 2.67 | 64 | Nov-21 | 4.5 | 6.86 | 0.32 |
| 30 | Jun-05 | 4.5 | 6.10 | -3.00 | 65 | Jun-22 | 4.5 | 6.81 | 0.10 |
| 31 | Dec-05 | 4.5 | 6.90 | 0.49 | 66 | Nov-22 | 4.5 | 6.56 | -0.99 |
| 32 | Feb-06 | 4.5 | 7.70 | 3.98 | 67 | Jun-23 | 4.5 | 6.82 | 0.14 |
| 33 | Jun-06 | 4.5 | 7.04 | 1.10 | 68 | Nov-23 | 4.5 | 7.60 | 3.54 |
| 34 | Nov-06 | 4.5 | 7.46 | 2.93 | 69 | Jun-24 | 4.5 | 6.84 | 0.23 |
| 35 | Jun-07 | 4.5 | 6.34 | -1.95 | 70 | Nov-24 | 4.5 | 6.59 | -0.86 |
| 36 | Nov-07 | 4.5 | 6.93 | 0.62 | 71 | Jun-25 | 4.5 | 6.90 | 0.49 |
| 37 | Jun-08 | 4.5 | 6.95 | 0.71 | | | | | |
| 38 | Nov-08 | 4.5 | 6.89 | 0.45 | | | | | |
| 39 | Jun-09 | 4.5 | 7.13 | 1.49 | | | | | |
| 40 | Nov-09 | 4.5 | 6.99 | 0.88 | | | | | |
| 41 | Jun-10 | 4.5 | 6.90 | 0.49 | | | | | |
| 42 | Nov-10 | 4.5 | 6.93 | 0.62 | | | | | |
| 43 | Jun-11 | 4.5 | 7.03 | 1.06 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

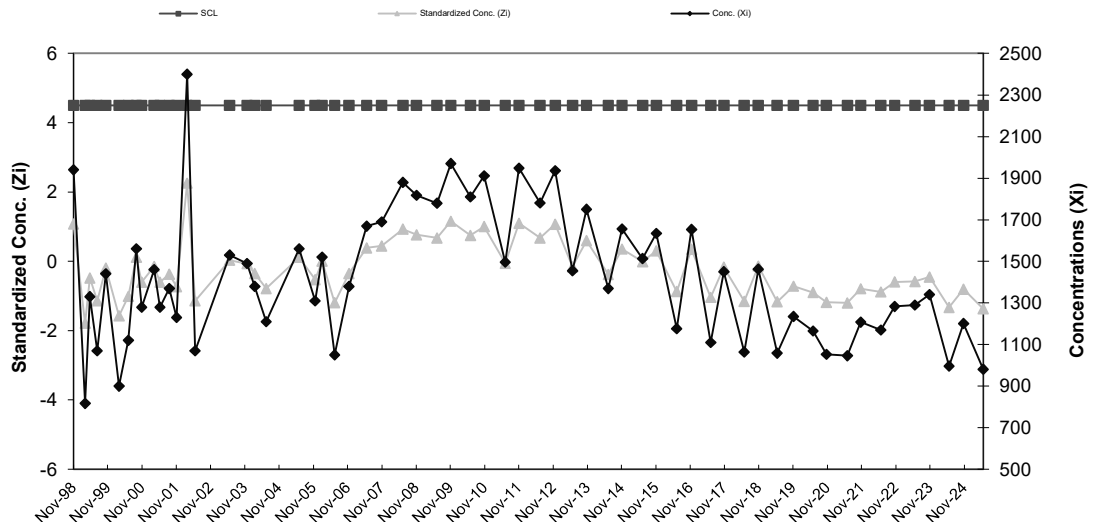


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault B - SpC**

| Baseline Data | | | | |
|---------------|--------|-------|----------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-96 | 1900 | 1,516.63 | 391.89 |
| 2 | Nov-96 | 1600 | | |
| 3 | Feb-97 | 1590 | | |
| 4 | May-97 | 1930 | | |
| 5 | Aug-97 | 663 | | |
| 6 | Nov-97 | 1400 | | |
| 7 | Feb-98 | 1560 | | |
| 8 | May-98 | 1490 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Nov-98 | 4.5 | 1940 | 1.08 | 42 | Nov-11 | 4.5 | 1948 | 1.10 |
| 10 | Mar-99 | 4.5 | 817 | -1.79 | 43 | Jun-12 | 4.5 | 1781 | 0.67 |
| 11 | May-99 | 4.5 | 1330 | -0.48 | 44 | Dec-12 | 4.5 | 1936 | 1.07 |
| 12 | Jul-99 | 4.5 | 1070 | -1.14 | 45 | Jun-13 | 4.5 | 1455 | -0.16 |
| 13 | Oct-99 | 4.5 | 1440 | -0.20 | 46 | Nov-13 | 4.5 | 1750 | 0.60 |
| 14 | Mar-00 | 4.5 | 900 | -1.57 | 47 | Jun-14 | 4.5 | 1369 | -0.38 |
| 15 | Jun-00 | 4.5 | 1120 | -1.01 | 48 | Nov-14 | 4.5 | 1656 | 0.36 |
| 16 | Sep-00 | 4.5 | 1560 | 0.11 | 49 | Jun-15 | 4.5 | 1513 | -0.01 |
| 17 | Nov-00 | 4.5 | 1280 | -0.60 | 50 | Nov-15 | 4.5 | 1635 | 0.30 |
| 18 | Mar-01 | 4.5 | 1460 | -0.14 | 51 | Jun-16 | 4.5 | 1176 | -0.87 |
| 19 | May-01 | 4.5 | 1280 | -0.60 | 52 | Nov-16 | 4.5 | 1654 | 0.35 |
| 20 | Aug-01 | 4.5 | 1370 | -0.37 | 53 | Jun-17 | 4.5 | 1110 | -1.04 |
| 21 | Nov-01 | 4.5 | 1230 | -0.73 | 54 | Nov-17 | 4.5 | 1450 | -0.17 |
| 22 | Mar-02 | 4.5 | 2400 | 2.25 | 55 | Jun-18 | 4.5 | 1064 | -1.15 |
| 23 | May-02 | 4.5 | 1070 | -1.14 | 56 | Nov-18 | 4.5 | 1463 | -0.14 |
| 24 | Jun-03 | 4.5 | 1530 | 0.03 | 57 | May-19 | 4.5 | 1058 | -1.17 |
| 25 | Dec-03 | 4.5 | 1490 | -0.07 | 58 | Nov-19 | 4.5 | 1235 | -0.72 |
| 26 | Feb-04 | 4.5 | 1380 | -0.35 | 59 | Jun-20 | 4.5 | 1165 | -0.90 |
| 27 | Jun-04 | 4.5 | 1210 | -0.78 | 60 | Nov-20 | 4.5 | 1053 | -1.18 |
| 28 | Jun-05 | 4.5 | 1560 | 0.11 | 61 | Jun-21 | 4.5 | 1046 | -1.20 |
| 29 | Dec-05 | 4.5 | 1310 | -0.53 | 62 | Nov-21 | 4.5 | 1208 | -0.79 |
| 30 | Feb-06 | 4.5 | 1520 | 0.01 | 63 | Jun-22 | 4.5 | 1170 | -0.88 |
| 31 | Jun-06 | 4.5 | 1050 | -1.19 | 64 | Nov-22 | 4.5 | 1283 | -0.60 |
| 32 | Nov-06 | 4.5 | 1380 | -0.35 | 65 | Jun-23 | 4.5 | 1290 | -0.58 |
| 33 | Jun-07 | 4.5 | 1670 | 0.39 | 66 | Nov-23 | 4.5 | 1340 | -0.45 |
| 34 | Nov-07 | 4.5 | 1690 | 0.44 | 67 | Jun-24 | 4.5 | 997 | -1.33 |
| 35 | Jun-08 | 4.5 | 1880 | 0.93 | 68 | Nov-24 | 4.5 | 1201 | -0.81 |
| 36 | Nov-08 | 4.5 | 1818 | 0.77 | 69 | Jun-25 | 4.5 | 981 | -1.37 |
| 37 | Jun-09 | 4.5 | 1780 | 0.67 | | | | | |
| 38 | Nov-09 | 4.5 | 1970 | 1.16 | | | | | |
| 39 | Jun-10 | 4.5 | 1810 | 0.75 | | | | | |
| 40 | Nov-10 | 4.5 | 1911 | 1.01 | | | | | |
| 41 | Jun-11 | 4.5 | 1496 | -0.05 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

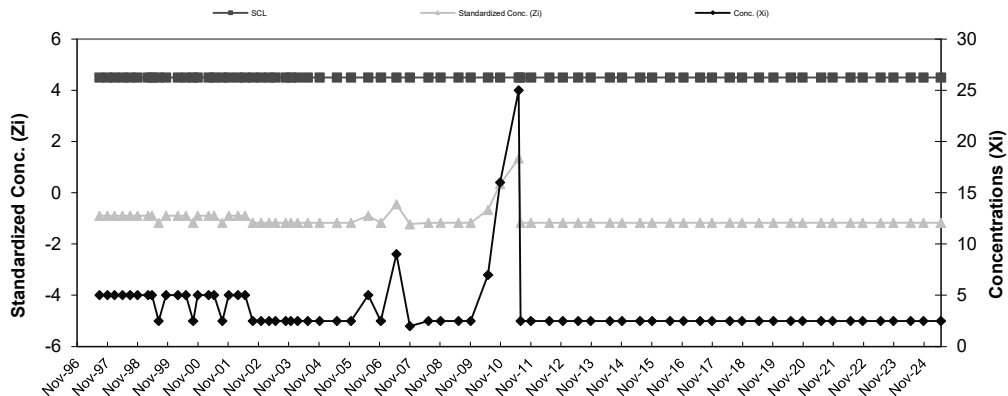


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault C - Chromium**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 25 | 13.00 | 8.98 |
| 2 | Aug-95 | 10 | | |
| 3 | Nov-95 | 29 | | |
| 4 | Jun-96 | 10 | | |
| 5 | Aug-96 | 10 | | |
| 6 | Nov-96 | 10 | | |
| 7 | Feb-97 | 5 | | |
| 8 | May-97 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-97 | 4.5 | 5 | -0.89 | 53 | Nov-11 | 4.5 | 2.5 | -1.17 |
| 10 | Nov-97 | 4.5 | 5 | -0.89 | 54 | Jun-12 | 4.5 | 2.5 | -1.17 |
| 11 | Feb-98 | 4.5 | 5 | -0.89 | 55 | Dec-12 | 4.5 | 2.5 | -1.17 |
| 12 | May-98 | 4.5 | 5 | -0.89 | 56 | Jun-13 | 4.5 | 2.5 | -1.17 |
| 14 | Aug-98 | 4.5 | 5 | -0.89 | 57 | Nov-13 | 4.5 | 2.5 | -1.17 |
| 15 | Nov-98 | 4.5 | 5 | -0.89 | 58 | Jun-14 | 4.5 | 2.5 | -1.17 |
| 16 | Mar-99 | 4.5 | 5 | -0.89 | 59 | Nov-14 | 4.5 | 2.5 | -1.17 |
| 17 | May-99 | 4.5 | 5 | -0.89 | 60 | Jun-15 | 4.5 | 2.5 | -1.17 |
| 18 | Jul-99 | 4.5 | 2.5 | -1.17 | 61 | Nov-15 | 4.5 | 2.5 | -1.17 |
| 19 | Oct-99 | 4.5 | 5 | -0.89 | 62 | Jun-16 | 4.5 | 2.5 | -1.17 |
| 20 | Mar-00 | 4.5 | 5 | -0.89 | 63 | Nov-16 | 4.5 | 2.5 | -1.17 |
| 21 | Jun-00 | 4.5 | 5 | -0.89 | 64 | Jun-17 | 4.5 | 2.5 | -1.17 |
| 22 | Sep-00 | 4.5 | 2.5 | -1.17 | 65 | Nov-17 | 4.5 | 2.5 | -1.17 |
| 23 | Nov-00 | 4.5 | 5 | -0.89 | 66 | Jun-18 | 4.5 | 2.5 | -1.17 |
| 24 | Mar-01 | 4.5 | 5 | -0.89 | 67 | Nov-18 | 4.5 | 2.5 | -1.17 |
| 25 | May-01 | 4.5 | 5 | -0.89 | 68 | May-19 | 4.5 | 2.5 | -1.17 |
| 26 | Aug-01 | 4.5 | 2.5 | -1.17 | 69 | Nov-19 | 4.5 | 2.5 | -1.17 |
| 27 | Nov-01 | 4.5 | 5 | -0.89 | 70 | Jun-20 | 4.5 | 2.5 | -1.17 |
| 28 | Mar-02 | 4.5 | 5 | -0.89 | 71 | Nov-20 | 4.5 | 2.5 | -1.17 |
| 29 | May-02 | 4.5 | 5 | -0.89 | 72 | Jun-21 | 4.5 | 2.5 | -1.17 |
| 30 | Sep-02 | 4.5 | 2.5 | -1.17 | 73 | Nov-21 | 4.5 | 2.5 | -1.17 |
| 31 | Dec-02 | 4.5 | 2.5 | -1.17 | 74 | Jun-22 | 4.5 | 2.5 | -1.17 |
| 32 | Mar-03 | 4.5 | 2.5 | -1.17 | 75 | Nov-22 | 4.5 | 2.5 | -1.17 |
| 33 | Jun-03 | 4.5 | 2.5 | -1.17 | 76 | Jun-23 | 4.5 | 2.5 | -1.17 |
| 34 | Oct-03 | 4.5 | 2.5 | -1.17 | 77 | Nov-23 | 4.5 | 2.5 | -1.17 |
| 35 | Dec-03 | 4.5 | 2.5 | -1.17 | 78 | Jun-24 | 4.5 | 2.5 | -1.17 |
| 36 | Feb-04 | 4.5 | 2.5 | -1.17 | 79 | Nov-24 | 4.5 | 2.5 | -1.17 |
| 37 | Jun-04 | 4.5 | 2.5 | -1.17 | 80 | Jun-25 | 4.5 | 2.5 | -1.17 |
| 38 | Nov-04 | 4.5 | 2.5 | -1.17 | | | | | |
| 39 | Jun-05 | 4.5 | 2.5 | -1.17 | | | | | |
| 40 | Dec-05 | 4.5 | 2.5 | -1.17 | | | | | |
| 41 | Jun-06 | 4.5 | 5 | -0.89 | | | | | |
| 42 | Nov-06 | 4.5 | 2.5 | -1.17 | | | | | |
| 43 | Jun-07 | 4.5 | 9 | -0.45 | | | | | |
| 44 | Nov-07 | 4.5 | 2 | -1.23 | | | | | |
| 45 | Jun-08 | 4.5 | 2.5 | -1.17 | | | | | |
| 46 | Nov-08 | 4.5 | 2.5 | -1.17 | | | | | |
| 47 | Jun-09 | 4.5 | 2.5 | -1.17 | | | | | |
| 48 | Nov-09 | 4.5 | 2.5 | -1.17 | | | | | |
| 49 | Jun-10 | 4.5 | 7 | -0.67 | | | | | |
| 50 | Nov-10 | 4.5 | 16 | 0.33 | | | | | |
| 51 | Jun-11 | 4.5 | 25 | 1.34 | | | | | |
| 52 | Jul-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

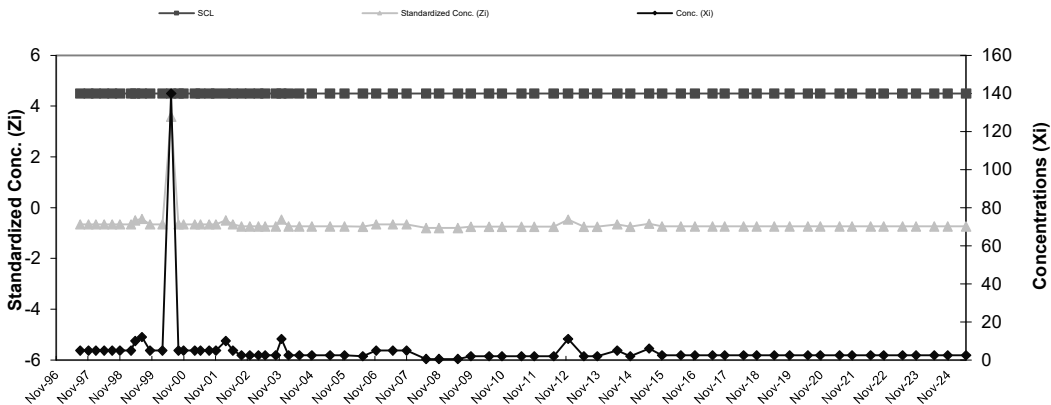


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault C - Copper**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 25 | 25.88 | 31.76 |
| 2 | Aug-95 | 10 | | |
| 3 | Nov-95 | 37 | | |
| 4 | Jun-96 | 10 | | |
| 5 | Aug-96 | 10 | | |
| 6 | Nov-96 | 10 | | |
| 7 | Feb-97 | 5 | | |
| 8 | May-97 | 100 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-97 | 4.5 | 5 | -0.66 | 52 | Nov-11 | 4.5 | 2 | -0.75 |
| 10 | Nov-97 | 4.5 | 5 | -0.66 | 53 | Jun-12 | 4.5 | 2 | -0.75 |
| 11 | Feb-98 | 4.5 | 5 | -0.66 | 54 | Dec-12 | 4.5 | 11 | -0.47 |
| 12 | May-98 | 4.5 | 5 | -0.66 | 55 | Jun-13 | 4.5 | 2 | -0.75 |
| 14 | Aug-98 | 4.5 | 5 | -0.66 | 56 | Nov-13 | 4.5 | 2 | -0.75 |
| 15 | Nov-98 | 4.5 | 5 | -0.66 | 57 | Jun-14 | 4.5 | 5 | -0.66 |
| 16 | Mar-99 | 4.5 | 5 | -0.66 | 58 | Nov-14 | 4.5 | 2 | -0.75 |
| 17 | May-99 | 4.5 | 10 | -0.50 | 59 | Jun-15 | 4.5 | 6 | -0.63 |
| 18 | Jul-99 | 4.5 | 12 | -0.44 | 60 | Nov-15 | 4.5 | 2.5 | -0.74 |
| 19 | Oct-99 | 4.5 | 5 | -0.66 | 61 | Jun-16 | 4.5 | 2.5 | -0.74 |
| 20 | Mar-00 | 4.5 | 5 | -0.66 | 62 | Nov-16 | 4.5 | 2.5 | -0.74 |
| 21 | Jun-00 | 4.5 | 140 | 3.59 | 63 | Jun-17 | 4.5 | 2.5 | -0.74 |
| 22 | Sep-00 | 4.5 | 5 | -0.66 | 64 | Nov-17 | 4.5 | 2.5 | -0.74 |
| 23 | Nov-00 | 4.5 | 5 | -0.66 | 65 | Jun-18 | 4.5 | 2.5 | -0.74 |
| 24 | Mar-01 | 4.5 | 5 | -0.66 | 66 | Nov-18 | 4.5 | 2.5 | -0.74 |
| 25 | May-01 | 4.5 | 5 | -0.66 | 67 | May-19 | 4.5 | 2.5 | -0.74 |
| 26 | Aug-01 | 4.5 | 5 | -0.66 | 68 | Nov-19 | 4.5 | 2.5 | -0.74 |
| 27 | Nov-01 | 4.5 | 5 | -0.66 | 69 | Jun-20 | 4.5 | 2.5 | -0.74 |
| 28 | Mar-02 | 4.5 | 10 | -0.50 | 70 | Nov-20 | 4.5 | 2.5 | -0.74 |
| 29 | May-02 | 4.5 | 5 | -0.66 | 71 | Jun-21 | 4.5 | 2.5 | -0.74 |
| 30 | Sep-02 | 4.5 | 2.5 | -0.74 | 72 | Nov-21 | 4.5 | 2.5 | -0.74 |
| 31 | Dec-02 | 4.5 | 2.5 | -0.74 | 73 | Jun-22 | 4.5 | 2.5 | -0.74 |
| 32 | Mar-03 | 4.5 | 2.5 | -0.74 | 74 | Nov-22 | 4.5 | 2.5 | -0.74 |
| 33 | Jun-03 | 4.5 | 2.5 | -0.74 | 75 | Jun-23 | 4.5 | 2.5 | -0.74 |
| 34 | Oct-03 | 4.5 | 2.5 | -0.74 | 76 | Nov-23 | 4.5 | 2.5 | -0.74 |
| 35 | Dec-03 | 4.5 | 11 | -0.47 | 77 | Jun-24 | 4.5 | 2.5 | -0.74 |
| 36 | Feb-04 | 4.5 | 2.5 | -0.74 | 78 | Nov-24 | 4.5 | 2.5 | -0.74 |
| 37 | Jun-04 | 4.5 | 2.5 | -0.74 | 79 | Jun-25 | 4.5 | 2.5 | -0.74 |
| 38 | Nov-04 | 4.5 | 2.5 | -0.74 | | | | | |
| 39 | Jun-05 | 4.5 | 2.5 | -0.74 | | | | | |
| 40 | Dec-05 | 4.5 | 2.5 | -0.74 | | | | | |
| 41 | Jun-06 | 4.5 | 2 | -0.75 | | | | | |
| 42 | Nov-06 | 4.5 | 5 | -0.66 | | | | | |
| 43 | Jun-07 | 4.5 | 5 | -0.66 | | | | | |
| 44 | Nov-07 | 4.5 | 5 | -0.66 | | | | | |
| 45 | Jun-08 | 4.5 | 0.5 | -0.80 | | | | | |
| 46 | Nov-08 | 4.5 | 0.5 | -0.80 | | | | | |
| 47 | Jun-09 | 4.5 | 0.5 | -0.80 | | | | | |
| 48 | Nov-09 | 4.5 | 2 | -0.75 | | | | | |
| 49 | Jun-10 | 4.5 | 2 | -0.75 | | | | | |
| 50 | Nov-10 | 4.5 | 2 | -0.75 | | | | | |
| 51 | Jun-11 | 4.5 | 2 | -0.75 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

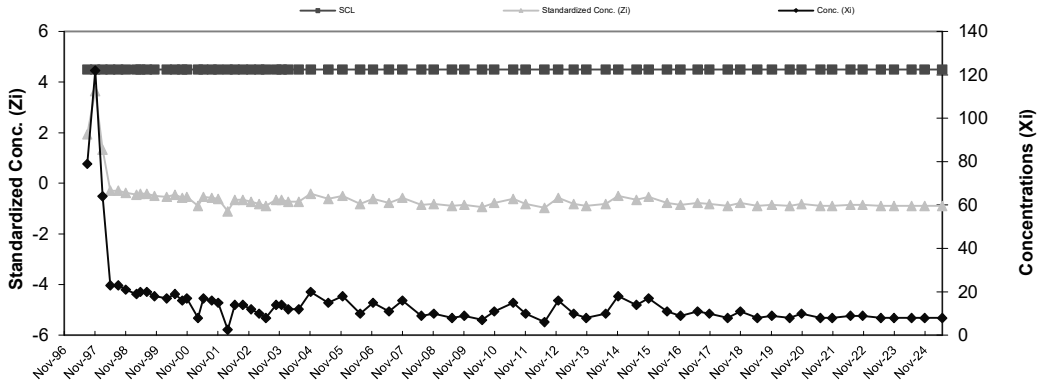


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault C - Nickel

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 15 | 30.38 | 25.11 |
| 2 | Aug-95 | 20 | | |
| 3 | Nov-95 | 67 | | |
| 4 | Jun-96 | 10 | | |
| 5 | Aug-96 | 10 | | |
| 6 | Nov-96 | 10 | | |
| 7 | Feb-97 | 45 | | |
| 8 | May-97 | 66 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-97 | 4.5 | 79 | 1.94 | 52 | Nov-11 | 4.5 | 10 | -0.81 |
| 10 | Nov-97 | 4.5 | 122 | 3.65 | 53 | Jun-12 | 4.5 | 6 | -0.97 |
| 11 | Feb-98 | 4.5 | 64 | 1.34 | 54 | Dec-12 | 4.5 | 16 | -0.57 |
| 12 | May-98 | 4.5 | 23 | -0.29 | 55 | Jun-13 | 4.5 | 10 | -0.81 |
| 14 | Aug-98 | 4.5 | 23 | -0.29 | 56 | Nov-13 | 4.5 | 8 | -0.89 |
| 15 | Nov-98 | 4.5 | 21 | -0.37 | 57 | Jun-14 | 4.5 | 10 | -0.81 |
| 16 | Mar-99 | 4.5 | 19 | -0.45 | 58 | Nov-14 | 4.5 | 18 | -0.49 |
| 17 | May-99 | 4.5 | 20 | -0.41 | 59 | Jun-15 | 4.5 | 14 | -0.65 |
| 18 | Jul-99 | 4.5 | 20 | -0.41 | 60 | Nov-15 | 4.5 | 17 | -0.53 |
| 19 | Oct-99 | 4.5 | 18 | -0.49 | 61 | Jun-16 | 4.5 | 11 | -0.77 |
| 20 | Mar-00 | 4.5 | 17 | -0.53 | 62 | Nov-16 | 4.5 | 9 | -0.85 |
| 21 | Jun-00 | 4.5 | 19 | -0.45 | 63 | Jun-17 | 4.5 | 11 | -0.77 |
| 22 | Sep-00 | 4.5 | 16 | -0.57 | 64 | Nov-17 | 4.5 | 10 | -0.81 |
| 23 | Nov-00 | 4.5 | 17 | -0.53 | 65 | Jun-18 | 4.5 | 8 | -0.89 |
| 24 | Mar-01 | 4.5 | 8 | -0.89 | 66 | Nov-18 | 4.5 | 11 | -0.77 |
| 25 | May-01 | 4.5 | 17 | -0.53 | 67 | May-19 | 4.5 | 8 | -0.89 |
| 26 | Aug-01 | 4.5 | 16 | -0.57 | 68 | Nov-19 | 4.5 | 9 | -0.85 |
| 27 | Nov-01 | 4.5 | 15 | -0.61 | 69 | Jun-20 | 4.5 | 8 | -0.89 |
| 28 | Mar-02 | 4.5 | 2.5 | -1.11 | 70 | Nov-20 | 4.5 | 10 | -0.81 |
| 29 | May-02 | 4.5 | 14 | -0.65 | 71 | Jun-21 | 4.5 | 8 | -0.89 |
| 30 | Sep-02 | 4.5 | 14 | -0.65 | 72 | Nov-21 | 4.5 | 8 | -0.89 |
| 31 | Dec-02 | 4.5 | 12 | -0.73 | 73 | Jun-22 | 4.5 | 9 | -0.85 |
| 32 | Mar-03 | 4.5 | 10 | -0.81 | 74 | Nov-22 | 4.5 | 9 | -0.85 |
| 33 | Jun-03 | 4.5 | 8 | -0.89 | 75 | Jun-23 | 4.5 | 8 | -0.89 |
| 34 | Oct-03 | 4.5 | 14 | -0.65 | 76 | Nov-23 | 4.5 | 8 | -0.89 |
| 35 | Dec-03 | 4.5 | 14 | -0.65 | 77 | Jun-24 | 4.5 | 8 | -0.89 |
| 36 | Feb-04 | 4.5 | 12 | -0.73 | 78 | Nov-24 | 4.5 | 8 | -0.89 |
| 37 | Jun-04 | 4.5 | 12 | -0.73 | 79 | Jun-25 | 4.5 | 8 | -0.89 |
| 38 | Nov-04 | 4.5 | 20 | -0.41 | | | | | |
| 39 | Jun-05 | 4.5 | 15 | -0.61 | | | | | |
| 40 | Dec-05 | 4.5 | 18 | -0.49 | | | | | |
| 41 | Jun-06 | 4.5 | 10 | -0.81 | | | | | |
| 42 | Nov-06 | 4.5 | 15 | -0.61 | | | | | |
| 43 | Jun-07 | 4.5 | 11 | -0.77 | | | | | |
| 44 | Nov-07 | 4.5 | 16 | -0.57 | | | | | |
| 45 | Jun-08 | 4.5 | 9 | -0.85 | | | | | |
| 46 | Nov-08 | 4.5 | 10 | -0.81 | | | | | |
| 47 | Jun-09 | 4.5 | 8 | -0.89 | | | | | |
| 48 | Nov-09 | 4.5 | 9 | -0.85 | | | | | |
| 49 | Jun-10 | 4.5 | 7 | -0.93 | | | | | |
| 50 | Nov-10 | 4.5 | 11 | -0.77 | | | | | |
| 51 | Jun-11 | 4.5 | 15 | -0.61 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

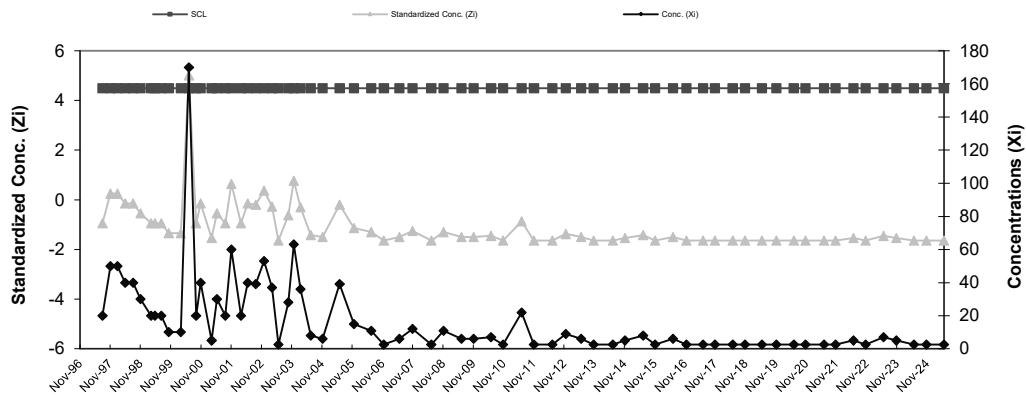


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault C - Zinc

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 60 | 43.75 | 25.24 |
| 2 | Aug-95 | 74 | | |
| 3 | Nov-95 | 36 | | |
| 4 | Jun-96 | 10 | | |
| 5 | Aug-96 | 40 | | |
| 6 | Nov-96 | 80 | | |
| 7 | Feb-97 | 30 | | |
| 8 | May-97 | 20 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-97 | 4.5 | 20 | -0.94 | 52 | Nov-11 | 4.5 | 2.5 | -1.63 |
| 10 | Nov-97 | 4.5 | 50 | 0.25 | 53 | Jun-12 | 4.5 | 2.5 | -1.63 |
| 11 | Feb-98 | 4.5 | 50 | 0.25 | 54 | Dec-12 | 4.5 | 9 | -1.38 |
| 12 | May-98 | 4.5 | 40 | -0.15 | 55 | Jun-13 | 4.5 | 6 | -1.50 |
| 14 | Aug-98 | 4.5 | 40 | -0.15 | 56 | Nov-13 | 4.5 | 2.5 | -1.63 |
| 15 | Nov-98 | 4.5 | 30 | -0.54 | 57 | Jun-14 | 4.5 | 2.5 | -1.63 |
| 16 | Mar-99 | 4.5 | 20 | -0.94 | 58 | Nov-14 | 4.5 | 5 | -1.54 |
| 17 | May-99 | 4.5 | 20 | -0.94 | 59 | Jun-15 | 4.5 | 8 | -1.42 |
| 18 | Jul-99 | 4.5 | 20 | -0.94 | 60 | Nov-15 | 4.5 | 2.5 | -1.63 |
| 19 | Oct-99 | 4.5 | 10 | -1.34 | 61 | Jun-16 | 4.5 | 6 | -1.50 |
| 20 | Mar-00 | 4.5 | 10 | -1.34 | 62 | Nov-16 | 4.5 | 2.5 | -1.63 |
| 21 | Jun-00 | 4.5 | 170 | 5.00 | 63 | Jun-17 | 4.5 | 2.5 | -1.63 |
| 22 | Sep-00 | 4.5 | 20 | -0.94 | 64 | Nov-17 | 4.5 | 2.5 | -1.63 |
| 23 | Nov-00 | 4.5 | 40 | -0.15 | 65 | Jun-18 | 4.5 | 2.5 | -1.63 |
| 24 | Mar-01 | 4.5 | 5 | -1.54 | 66 | Nov-18 | 4.5 | 2.5 | -1.63 |
| 25 | May-01 | 4.5 | 30 | -0.54 | 67 | May-19 | 4.5 | 2.5 | -1.63 |
| 26 | Aug-01 | 4.5 | 20 | -0.94 | 68 | Nov-19 | 4.5 | 2.5 | -1.63 |
| 27 | Nov-01 | 4.5 | 60 | 0.64 | 69 | Jun-20 | 4.5 | 2.5 | -1.63 |
| 28 | Mar-02 | 4.5 | 20 | -0.94 | 70 | Nov-20 | 4.5 | 2.5 | -1.63 |
| 29 | May-02 | 4.5 | 40 | -0.15 | 71 | Jun-21 | 4.5 | 2.5 | -1.63 |
| 30 | Sep-02 | 4.5 | 39 | -0.19 | 72 | Nov-21 | 4.5 | 2.5 | -1.63 |
| 31 | Dec-02 | 4.5 | 53 | 0.37 | 73 | Jun-22 | 4.5 | 5 | -1.54 |
| 32 | Mar-03 | 4.5 | 37 | -0.27 | 74 | Nov-22 | 4.5 | 2.5 | -1.63 |
| 33 | Jun-03 | 4.5 | 2.5 | -1.63 | 75 | Jun-23 | 4.5 | 7 | -1.46 |
| 34 | Oct-03 | 4.5 | 28 | -0.62 | 76 | Nov-23 | 4.5 | 5 | -1.54 |
| 35 | Dec-03 | 4.5 | 63 | 0.76 | 77 | Jun-24 | 4.5 | 2.5 | -1.63 |
| 36 | Feb-04 | 4.5 | 36 | -0.31 | 78 | Nov-24 | 4.5 | 2.5 | -1.63 |
| 37 | Jun-04 | 4.5 | 8 | -1.42 | 79 | Jun-25 | 4.5 | 2.5 | -1.63 |
| 38 | Nov-04 | 4.5 | 6 | -1.50 | | | | | |
| 39 | Jun-05 | 4.5 | 39 | -0.19 | | | | | |
| 40 | Dec-05 | 4.5 | 15 | -1.14 | | | | | |
| 41 | Jun-06 | 4.5 | 11 | -1.30 | | | | | |
| 42 | Nov-06 | 4.5 | 2.5 | -1.63 | | | | | |
| 43 | Jun-07 | 4.5 | 6 | -1.50 | | | | | |
| 44 | Nov-07 | 4.5 | 12 | -1.26 | | | | | |
| 45 | Jun-08 | 4.5 | 2.5 | -1.63 | | | | | |
| 46 | Nov-08 | 4.5 | 11 | -1.30 | | | | | |
| 47 | Jun-09 | 4.5 | 6 | -1.50 | | | | | |
| 48 | Nov-09 | 4.5 | 6 | -1.50 | | | | | |
| 49 | Jun-10 | 4.5 | 7 | -1.46 | | | | | |
| 50 | Nov-10 | 4.5 | 2.5 | -1.63 | | | | | |
| 51 | Jun-11 | 4.5 | 22 | -0.86 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

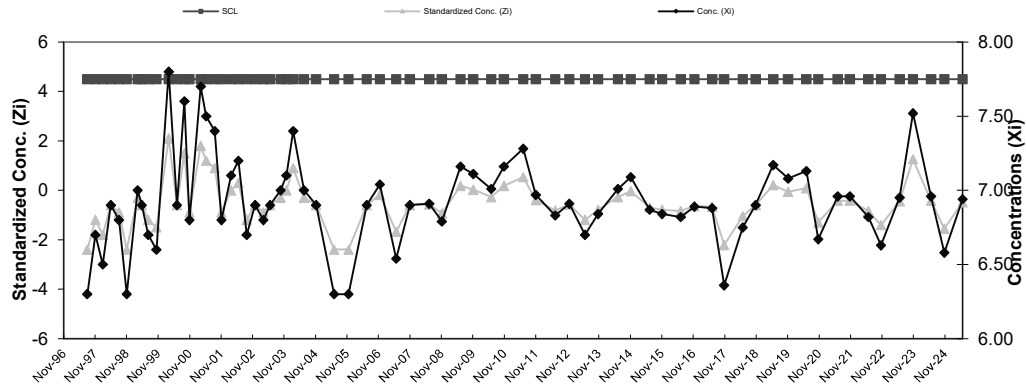


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault C - pH**

| Baseline Data | | | | |
|---------------|--------|-------|-------------|-------------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 7.4 | 7.10 | 0.33 |
| 2 | Aug-95 | 7.4 | | |
| 3 | Nov-95 | 7 | | |
| 4 | Jun-96 | 6.9 | | |
| 5 | Aug-96 | 6.9 | | |
| 6 | Nov-96 | 7 | | |
| 7 | Feb-97 | 7.6 | | |
| 8 | May-97 | 6.6 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-97 | 4.5 | 6.30 | -2.40 | 52 | Nov-11 | 4.5 | 6.97 | -0.39 |
| 10 | Nov-97 | 4.5 | 6.70 | -1.20 | 53 | Jun-12 | 4.5 | 6.83 | -0.81 |
| 11 | Feb-98 | 4.5 | 6.50 | -1.80 | 54 | Dec-12 | 4.5 | 6.91 | -0.57 |
| 12 | May-98 | 4.5 | 6.90 | -0.60 | 55 | Jun-13 | 4.5 | 6.70 | -1.20 |
| 14 | Aug-98 | 4.5 | 6.80 | -0.90 | 56 | Nov-13 | 4.5 | 6.84 | -0.78 |
| 15 | Nov-98 | 4.5 | 6.30 | -2.40 | 57 | Jun-14 | 4.5 | 7.01 | -0.27 |
| 16 | Mar-99 | 4.5 | 7.00 | -0.30 | 58 | Nov-14 | 4.5 | 7.09 | -0.03 |
| 17 | May-99 | 4.5 | 6.90 | -0.60 | 59 | Jun-15 | 4.5 | 6.87 | -0.69 |
| 18 | Jul-99 | 4.5 | 6.70 | -1.20 | 60 | Nov-15 | 4.5 | 6.84 | -0.78 |
| 19 | Oct-99 | 4.5 | 6.60 | -1.50 | 61 | Jun-16 | 4.5 | 6.82 | -0.84 |
| 20 | Mar-00 | 4.5 | 7.80 | 2.10 | 62 | Nov-16 | 4.5 | 6.89 | -0.63 |
| 21 | Jun-00 | 4.5 | 6.90 | -0.60 | 63 | Jun-17 | 4.5 | 6.88 | -0.66 |
| 22 | Sep-00 | 4.5 | 7.60 | 1.50 | 64 | Nov-17 | 4.5 | 6.36 | -2.22 |
| 23 | Nov-00 | 4.5 | 6.80 | -0.90 | 65 | Jun-18 | 4.5 | 6.75 | -1.05 |
| 24 | Mar-01 | 4.5 | 7.70 | 1.80 | 66 | Nov-18 | 4.5 | 6.90 | -0.60 |
| 25 | May-01 | 4.5 | 7.50 | 1.20 | 67 | May-19 | 4.5 | 7.17 | 0.21 |
| 26 | Aug-01 | 4.5 | 7.40 | 0.90 | 68 | Nov-19 | 4.5 | 7.08 | -0.06 |
| 27 | Nov-01 | 4.5 | 6.80 | -0.90 | 69 | Jun-20 | 4.5 | 7.13 | 0.09 |
| 28 | Mar-02 | 4.5 | 7.10 | 0.00 | 70 | Nov-20 | 4.5 | 6.67 | -1.29 |
| 29 | May-02 | 4.5 | 7.20 | 0.30 | 71 | Jun-21 | 4.5 | 6.96 | -0.42 |
| 30 | Sep-02 | 4.5 | 6.70 | -1.20 | 72 | Nov-21 | 4.5 | 6.96 | -0.42 |
| 31 | Dec-02 | 4.5 | 6.90 | -0.60 | 73 | Jun-22 | 4.5 | 6.82 | -0.84 |
| 32 | Mar-03 | 4.5 | 6.80 | -0.90 | 74 | Nov-22 | 4.5 | 6.63 | -1.41 |
| 33 | Jun-03 | 4.5 | 6.90 | -0.60 | 75 | Jun-23 | 4.5 | 6.95 | -0.45 |
| 34 | Oct-03 | 4.5 | 7.00 | -0.30 | 76 | Nov-23 | 4.5 | 7.52 | 1.26 |
| 35 | Dec-03 | 4.5 | 7.10 | 0.00 | 77 | Jun-24 | 4.5 | 6.96 | -0.42 |
| 36 | Feb-04 | 4.5 | 7.40 | 0.90 | 78 | Nov-24 | 4.5 | 6.58 | -1.56 |
| 37 | Jun-04 | 4.5 | 7.00 | -0.30 | 79 | Jun-25 | 4.5 | 6.94 | -0.48 |
| 38 | Nov-04 | 4.5 | 6.90 | -0.60 | | | | | |
| 39 | Jun-05 | 4.5 | 6.30 | -2.40 | | | | | |
| 40 | Dec-05 | 4.5 | 6.30 | -2.40 | | | | | |
| 41 | Jun-06 | 4.5 | 6.90 | -0.60 | | | | | |
| 42 | Nov-06 | 4.5 | 7.04 | -0.18 | | | | | |
| 43 | Jun-07 | 4.5 | 6.54 | -1.68 | | | | | |
| 44 | Nov-07 | 4.5 | 6.90 | -0.60 | | | | | |
| 45 | Jun-08 | 4.5 | 6.91 | -0.57 | | | | | |
| 46 | Nov-08 | 4.5 | 6.79 | -0.93 | | | | | |
| 47 | Jun-09 | 4.5 | 7.16 | 0.18 | | | | | |
| 48 | Nov-09 | 4.5 | 7.11 | 0.03 | | | | | |
| 49 | Jun-10 | 4.5 | 7.01 | -0.27 | | | | | |
| 50 | Nov-10 | 4.5 | 7.16 | 0.18 | | | | | |
| 51 | Jun-11 | 4.5 | 7.28 | 0.54 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

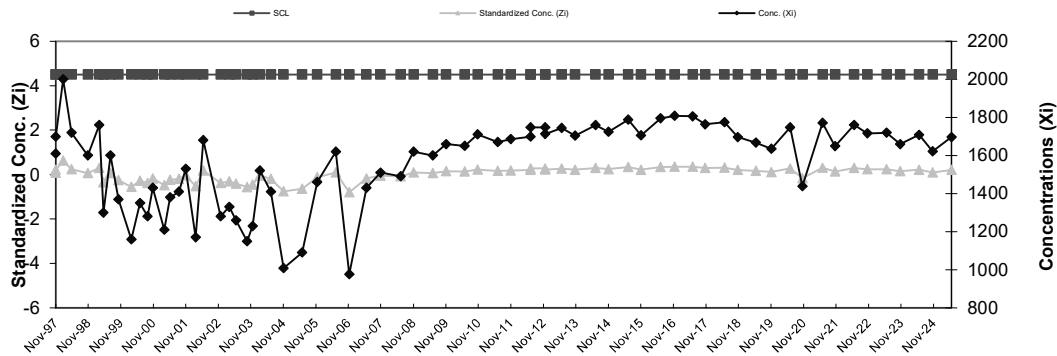


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault C - SpC

| Baseline Data | | | | |
|---------------|--------|-------|----------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 530 | 1,551.25 | 716.19 |
| 2 | Aug-95 | 340 | | |
| 3 | Nov-95 | 2200 | | |
| 4 | Jun-96 | 2000 | | |
| 5 | Aug-96 | 1900 | | |
| 6 | Nov-96 | 2100 | | |
| 7 | Feb-97 | 1610 | | |
| 8 | May-97 | 1730 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | Aug-97 | 4.5 | 1610 | 0.08 | 52 | Nov-11 | 4.5 | 1699 | 0.21 |
| 10 | Nov-97 | 4.5 | 2000 | 0.63 | 53 | Jun-12 | 4.5 | 1748 | 0.27 |
| 11 | Feb-98 | 4.5 | 1720 | 0.24 | 54 | Dec-12 | 4.5 | 1713 | 0.23 |
| 12 | May-98 | 4.5 | 1600 | 0.07 | 55 | Jun-13 | 4.5 | 1744 | 0.27 |
| 14 | Nov-98 | 4.5 | 1760 | 0.29 | 56 | Nov-13 | 4.5 | 1703 | 0.21 |
| 15 | Mar-99 | 4.5 | 1300 | -0.35 | 57 | Jun-14 | 4.5 | 1759 | 0.29 |
| 16 | May-99 | 4.5 | 1600 | 0.07 | 58 | Nov-14 | 4.5 | 1724 | 0.24 |
| 17 | Jul-99 | 4.5 | 1370 | -0.25 | 59 | Jun-15 | 4.5 | 1788 | 0.33 |
| 18 | Oct-99 | 4.5 | 1160 | -0.55 | 60 | Nov-15 | 4.5 | 1706 | 0.22 |
| 19 | Mar-00 | 4.5 | 1350 | -0.28 | 61 | Jun-16 | 4.5 | 1795 | 0.34 |
| 20 | Jun-00 | 4.5 | 1280 | -0.38 | 62 | Nov-16 | 4.5 | 1808 | 0.36 |
| 21 | Sep-00 | 4.5 | 1430 | -0.17 | 63 | Jun-17 | 4.5 | 1805 | 0.35 |
| 22 | Nov-00 | 4.5 | 1210 | -0.48 | 64 | Nov-17 | 4.5 | 1764 | 0.30 |
| 23 | Mar-01 | 4.5 | 1380 | -0.24 | 65 | Jun-18 | 4.5 | 1774 | 0.31 |
| 24 | May-01 | 4.5 | 1410 | -0.20 | 66 | Nov-18 | 4.5 | 1696 | 0.20 |
| 25 | Aug-01 | 4.5 | 1530 | -0.03 | 67 | May-19 | 4.5 | 1668 | 0.16 |
| 26 | Nov-01 | 4.5 | 1170 | -0.53 | 68 | Nov-19 | 4.5 | 1635 | 0.12 |
| 27 | Mar-02 | 4.5 | 1680 | 0.18 | 69 | Jun-20 | 4.5 | 1747 | 0.27 |
| 28 | May-02 | 4.5 | 1280 | -0.38 | 70 | Nov-20 | 4.5 | 1438 | -0.16 |
| 29 | Dec-02 | 4.5 | 1330 | -0.31 | 71 | Jun-21 | 4.5 | 1771 | 0.31 |
| 30 | Mar-03 | 4.5 | 1260 | -0.41 | 72 | Nov-21 | 4.5 | 1649 | 0.14 |
| 31 | Jun-03 | 4.5 | 1150 | -0.56 | 73 | Jun-22 | 4.5 | 1760 | 0.29 |
| 32 | Oct-03 | 4.5 | 1230 | -0.45 | 74 | Nov-22 | 4.5 | 1716 | 0.23 |
| 33 | Dec-03 | 4.5 | 1520 | -0.04 | 75 | Jun-23 | 4.5 | 1720 | 0.24 |
| 34 | Feb-04 | 4.5 | 1410 | -0.20 | 76 | Nov-23 | 4.5 | 1660 | 0.15 |
| 35 | Jun-04 | 4.5 | 1008 | -0.76 | 77 | Jun-24 | 4.5 | 1708 | 0.22 |
| 36 | Nov-04 | 4.5 | 1090 | -0.64 | 78 | Nov-24 | 4.5 | 1621 | 0.10 |
| 37 | Jun-05 | 4.5 | 1460 | -0.13 | 79 | Jun-25 | 4.5 | 1696 | 0.20 |
| 38 | Dec-05 | 4.5 | 1620 | 0.10 | | | | | |
| 39 | Jun-06 | 4.5 | 977 | -0.80 | | | | | |
| 40 | Nov-06 | 4.5 | 1430 | -0.17 | | | | | |
| 41 | Jun-07 | 4.5 | 1510 | -0.06 | | | | | |
| 42 | Nov-07 | 4.5 | 1490 | -0.09 | | | | | |
| 43 | Jun-08 | 4.5 | 1620 | 0.10 | | | | | |
| 44 | Nov-08 | 4.5 | 1600 | 0.07 | | | | | |
| 45 | Jun-09 | 4.5 | 1660 | 0.15 | | | | | |
| 46 | Nov-09 | 4.5 | 1650 | 0.14 | | | | | |
| 47 | Jun-10 | 4.5 | 1710 | 0.22 | | | | | |
| 50 | Nov-10 | 4.5 | 1670 | 0.17 | | | | | |
| 51 | Jun-11 | 4.5 | 1686 | 0.19 | | | | | |
| 52 | Nov-11 | 4.5 | 1699 | 0.21 | | | | | |
| 53 | Jun-12 | 4.5 | 1748 | 0.27 | | | | | |
| 54 | Dec-12 | 4.5 | 1713 | 0.23 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

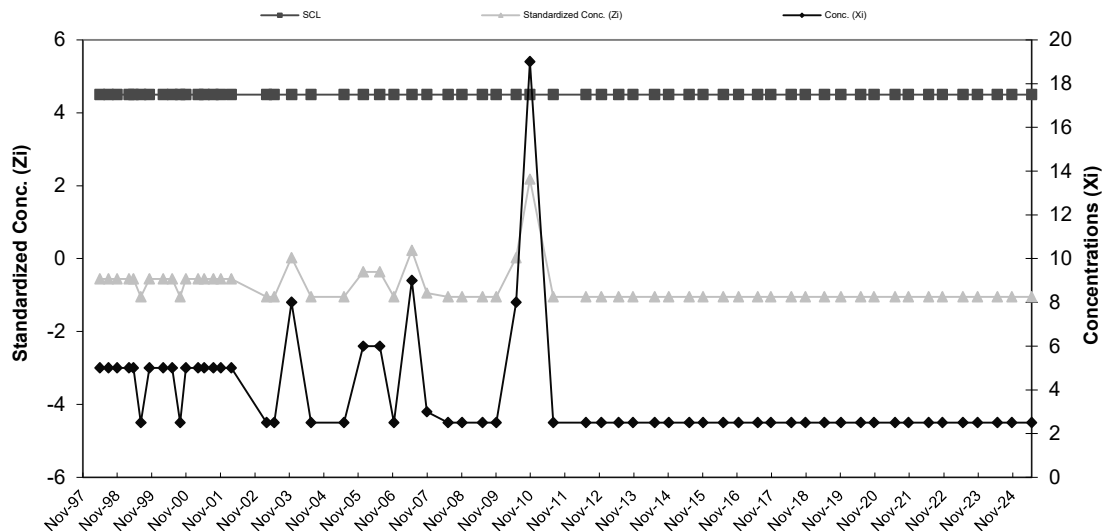


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault D - Chromium**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 13 | 7.86 | 5.11 |
| 2 | Jun-96 | 10 | | |
| 3 | Aug-96 | 10 | | |
| 4 | Nov-96 | 10 | | |
| 5 | May-97 | 5 | | |
| 6 | Aug-97 | 5 | | |
| 7 | Nov-97 | 5 | | |
| 8 | Feb-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 5 | -0.56 | 41 | Jul-11 | 4.5 | 2.5 | -1.05 |
| 10 | Aug-98 | 4.5 | 5 | -0.56 | 42 | Jun-12 | 4.5 | 2.5 | -1.05 |
| 11 | Nov-98 | 4.5 | 5 | -0.56 | 43 | Dec-12 | 4.5 | 2.5 | -1.05 |
| 12 | Mar-99 | 4.5 | 5 | -0.56 | 44 | Jun-13 | 4.5 | 2.5 | -1.05 |
| 13 | May-99 | 4.5 | 5 | -0.56 | 45 | Nov-13 | 4.5 | 2.5 | -1.05 |
| 14 | Jul-99 | 4.5 | 2.5 | -1.05 | 46 | Jun-14 | 4.5 | 2.5 | -1.05 |
| 15 | Oct-99 | 4.5 | 5 | -0.56 | 47 | Nov-14 | 4.5 | 2.5 | -1.05 |
| 16 | Mar-00 | 4.5 | 5 | -0.56 | 48 | Jun-15 | 4.5 | 2.5 | -1.05 |
| 17 | Jun-00 | 4.5 | 5 | -0.56 | 49 | Nov-15 | 4.5 | 2.5 | -1.05 |
| 18 | Sep-00 | 4.5 | 2.5 | -1.05 | 50 | Jun-16 | 4.5 | 2.5 | -1.05 |
| 19 | Nov-00 | 4.5 | 5 | -0.56 | 51 | Nov-16 | 4.5 | 2.5 | -1.05 |
| 20 | Mar-01 | 4.5 | 5 | -0.56 | 52 | Jun-17 | 4.5 | 2.5 | -1.05 |
| 21 | May-01 | 4.5 | 5 | -0.56 | 53 | Nov-17 | 4.5 | 2.5 | -1.05 |
| 22 | Aug-01 | 4.5 | 5 | -0.56 | 54 | Jun-18 | 4.5 | 2.5 | -1.05 |
| 23 | Nov-01 | 4.5 | 5 | -0.56 | 55 | Nov-18 | 4.5 | 2.5 | -1.05 |
| 24 | Mar-02 | 4.5 | 5 | -0.56 | 56 | May-19 | 4.5 | 2.5 | -1.05 |
| 25 | Mar-03 | 4.5 | 2.5 | -1.05 | 57 | Nov-19 | 4.5 | 2.5 | -1.05 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.05 | 58 | Jun-20 | 4.5 | 2.5 | -1.05 |
| 27 | Dec-03 | 4.5 | 8 | 0.03 | 59 | Nov-20 | 4.5 | 2.5 | -1.05 |
| 28 | Jun-04 | 4.5 | 2.5 | -1.05 | 60 | Jun-21 | 4.5 | 2.5 | -1.05 |
| 29 | Jun-05 | 4.5 | 2.5 | -1.05 | 61 | Nov-21 | 4.5 | 2.5 | -1.05 |
| 30 | Jan-06 | 4.5 | 6 | -0.36 | 62 | Jun-22 | 4.5 | 2.5 | -1.05 |
| 31 | Jun-06 | 4.5 | 6 | -0.36 | 63 | Nov-22 | 4.5 | 2.5 | -1.05 |
| 32 | Nov-06 | 4.5 | 2.5 | -1.05 | 64 | Jun-23 | 4.5 | 2.5 | -1.05 |
| 33 | Jun-07 | 4.5 | 9 | 0.22 | 65 | Nov-23 | 4.5 | 2.5 | -1.05 |
| 34 | Nov-07 | 4.5 | 3 | -0.95 | 66 | Jun-24 | 4.5 | 2.5 | -1.05 |
| 35 | Jun-08 | 4.5 | 2.5 | -1.05 | 67 | Nov-24 | 4.5 | 2.5 | -1.05 |
| 36 | Nov-08 | 4.5 | 2.5 | -1.05 | 68 | Jun-25 | 4.5 | 2.5 | -1.05 |
| 37 | Jun-09 | 4.5 | 2.5 | -1.05 | | | | | |
| 38 | Nov-09 | 4.5 | 2.5 | -1.05 | | | | | |
| 39 | Jun-10 | 4.5 | 8 | 0.03 | | | | | |
| 40 | Nov-10 | 4.5 | 19 | 2.18 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

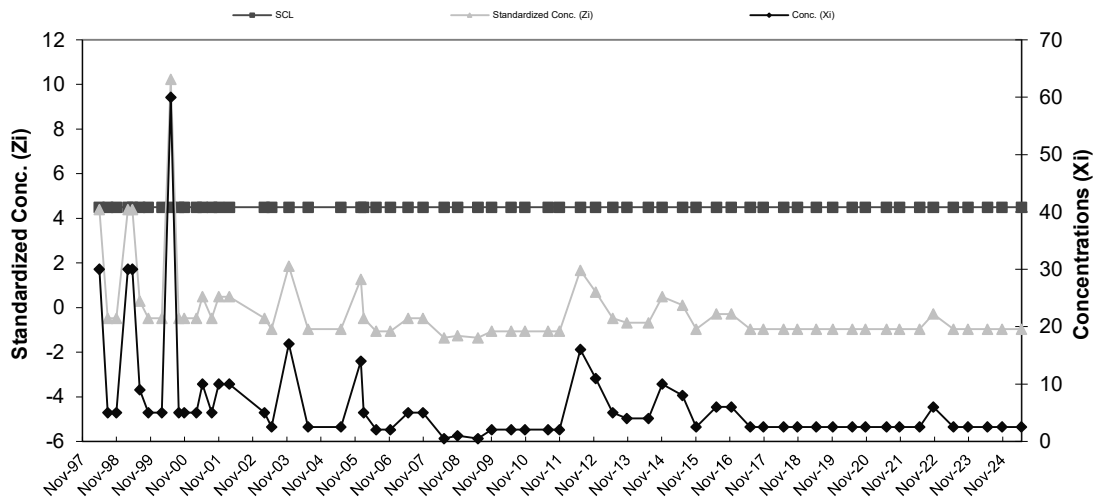


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault D - Copper**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 10 | 7.48 | 5.13 |
| 2 | Jun-96 | 10 | | |
| 3 | Aug-96 | 10 | | |
| 4 | Nov-96 | 10 | | |
| 5 | May-97 | 5 | | |
| 6 | Aug-97 | 5 | | |
| 7 | Nov-97 | 5 | | |
| 8 | Feb-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 30 | 4.39 | 41 | Nov-10 | 4.5 | 2 | -1.07 |
| 10 | Aug-98 | 4.5 | 5 | -0.48 | 42 | Jul-11 | 4.5 | 2 | -1.07 |
| 11 | Nov-98 | 4.5 | 5 | -0.48 | 43 | Nov-11 | 4.5 | 2 | -1.07 |
| 12 | Mar-99 | 4.5 | 30 | 4.39 | 44 | Jun-12 | 4.5 | 16 | 1.66 |
| 13 | May-99 | 4.5 | 30 | 4.39 | 45 | Dec-12 | 4.5 | 11 | 0.69 |
| 14 | Jul-99 | 4.5 | 9 | 0.30 | 46 | Jun-13 | 4.5 | 5 | -0.48 |
| 15 | Oct-99 | 4.5 | 5 | -0.48 | 47 | Nov-13 | 4.5 | 4 | -0.68 |
| 16 | Mar-00 | 4.5 | 5 | -0.48 | 48 | Jun-14 | 4.5 | 4 | -0.68 |
| 17 | Jun-00 | 4.5 | 60 | 10.24 | 49 | Nov-14 | 4.5 | 10 | 0.49 |
| 18 | Sep-00 | 4.5 | 5 | -0.48 | 50 | Jun-15 | 4.5 | 8 | 0.10 |
| 19 | Nov-00 | 4.5 | 5 | -0.48 | 51 | Nov-15 | 4.5 | 2.5 | -0.97 |
| 20 | Mar-01 | 4.5 | 5 | -0.48 | 52 | Jun-16 | 4.5 | 6 | -0.29 |
| 21 | May-01 | 4.5 | 10 | 0.49 | 53 | Nov-16 | 4.5 | 6 | -0.29 |
| 22 | Aug-01 | 4.5 | 5 | -0.48 | 54 | Jun-17 | 4.5 | 2.5 | -0.97 |
| 23 | Nov-01 | 4.5 | 10 | 0.49 | 55 | Nov-17 | 4.5 | 2.5 | -0.97 |
| 24 | Mar-02 | 4.5 | 10 | 0.49 | 56 | Jun-18 | 4.5 | 2.5 | -0.97 |
| 25 | Mar-03 | 4.5 | 5 | -0.48 | 57 | Nov-18 | 4.5 | 2.5 | -0.97 |
| 26 | Jun-03 | 4.5 | 2.5 | -0.97 | 58 | May-19 | 4.5 | 2.5 | -0.97 |
| 27 | Dec-03 | 4.5 | 17 | 1.86 | 59 | Nov-19 | 4.5 | 2.5 | -0.97 |
| 28 | Jun-04 | 4.5 | 2.5 | -0.97 | 60 | Jun-20 | 4.5 | 2.5 | -0.97 |
| 29 | Jun-05 | 4.5 | 2.5 | -0.97 | 61 | Nov-20 | 4.5 | 2.5 | -0.97 |
| 30 | Jan-06 | 4.5 | 14 | 1.27 | 62 | Jun-21 | 4.5 | 2.5 | -0.97 |
| 31 | Feb-06 | 4.5 | 5 | -0.48 | 63 | Nov-21 | 4.5 | 2.5 | -0.97 |
| 32 | Jun-06 | 4.5 | 2 | -1.07 | 64 | Jun-22 | 4.5 | 2.5 | -0.97 |
| 33 | Nov-06 | 4.5 | 2 | -1.07 | 65 | Nov-22 | 4.5 | 6 | -0.29 |
| 34 | Jun-07 | 4.5 | 5 | -0.48 | 66 | Jun-23 | 4.5 | 2.5 | -0.97 |
| 35 | Nov-07 | 4.5 | 5 | -0.48 | 67 | Nov-23 | 4.5 | 2.5 | -0.97 |
| 36 | Jun-08 | 4.5 | 0.5 | -1.36 | 68 | Jun-24 | 4.5 | 2.5 | -0.97 |
| 37 | Nov-08 | 4.5 | 1 | -1.26 | 69 | Nov-24 | 4.5 | 2.5 | -0.97 |
| 38 | Jun-09 | 4.5 | 0.5 | -1.36 | 70 | Jun-25 | 4.5 | 2.5 | -0.97 |
| 39 | Nov-09 | 4.5 | 2 | -1.07 | | | | | |
| 40 | Jun-10 | 4.5 | 2 | -1.07 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

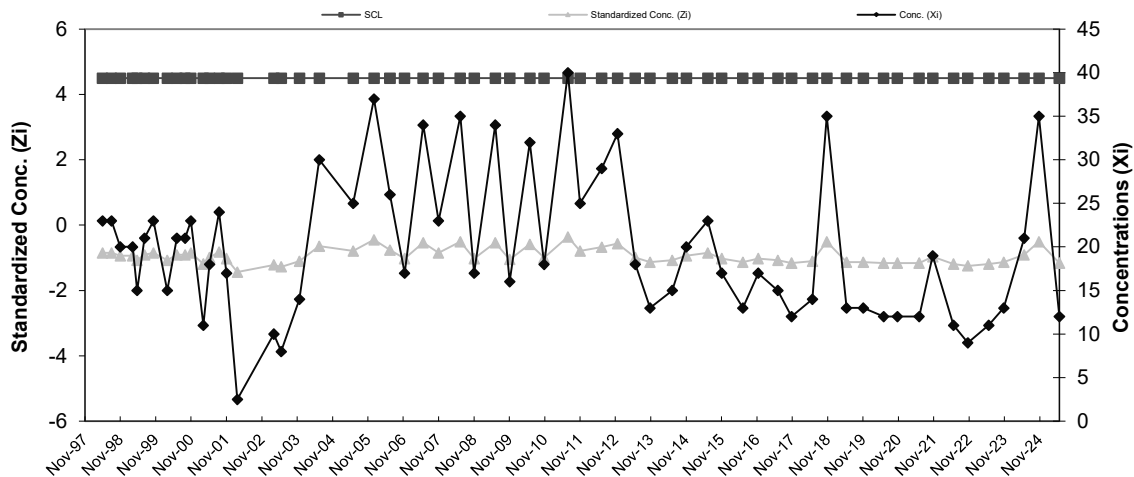


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault D - Nickel**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 44 | 52.63 | 35.01 |
| 2 | Jun-96 | 10 | | |
| 3 | Aug-96 | 10 | | |
| 4 | Nov-96 | 40 | | |
| 5 | May-97 | 58 | | |
| 6 | Aug-97 | 79 | | |
| 7 | Nov-97 | 114 | | |
| 8 | Feb-98 | 66 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 23 | -0.85 | 41 | Jul-11 | 4.5 | 40 | -0.36 |
| 10 | Aug-98 | 4.5 | 23 | -0.85 | 42 | Nov-11 | 4.5 | 25 | -0.79 |
| 11 | Nov-98 | 4.5 | 20 | -0.93 | 43 | Jun-12 | 4.5 | 29 | -0.67 |
| 12 | Mar-99 | 4.5 | 20 | -0.93 | 44 | Dec-12 | 4.5 | 33 | -0.56 |
| 13 | May-99 | 4.5 | 15 | -1.07 | 45 | Jun-13 | 4.5 | 18 | -0.99 |
| 14 | Jul-99 | 4.5 | 21 | -0.90 | 46 | Nov-13 | 4.5 | 13 | -1.13 |
| 15 | Oct-99 | 4.5 | 23 | -0.85 | 47 | Jun-14 | 4.5 | 15 | -1.07 |
| 16 | Mar-00 | 4.5 | 15 | -1.07 | 48 | Nov-14 | 4.5 | 20 | -0.93 |
| 17 | Jun-00 | 4.5 | 21 | -0.90 | 49 | Jun-15 | 4.5 | 23 | -0.85 |
| 18 | Sep-00 | 4.5 | 21 | -0.90 | 50 | Nov-15 | 4.5 | 17 | -1.02 |
| 19 | Nov-00 | 4.5 | 23 | -0.85 | 51 | Jun-16 | 4.5 | 13 | -1.13 |
| 20 | Mar-01 | 4.5 | 11 | -1.19 | 52 | Nov-16 | 4.5 | 17 | -1.02 |
| 21 | May-01 | 4.5 | 18 | -0.99 | 53 | Jun-17 | 4.5 | 15 | -1.07 |
| 22 | Aug-01 | 4.5 | 24 | -0.82 | 54 | Nov-17 | 4.5 | 12 | -1.16 |
| 23 | Nov-01 | 4.5 | 17 | -1.02 | 55 | Jun-18 | 4.5 | 14 | -1.10 |
| 24 | Mar-02 | 4.5 | 2.5 | -1.43 | 56 | Nov-18 | 4.5 | 35 | -0.50 |
| 25 | Mar-03 | 4.5 | 10 | -1.22 | 57 | May-19 | 4.5 | 13 | -1.13 |
| 26 | Jun-03 | 4.5 | 8 | -1.27 | 58 | Nov-19 | 4.5 | 13 | -1.13 |
| 27 | Dec-03 | 4.5 | 14 | -1.10 | 59 | Jun-20 | 4.5 | 12 | -1.16 |
| 28 | Jun-04 | 4.5 | 30 | -0.65 | 60 | Nov-20 | 4.5 | 12 | -1.16 |
| 29 | Jun-05 | 4.5 | 25 | -0.79 | 61 | Jun-21 | 4.5 | 12 | -1.16 |
| 30 | Jan-06 | 4.5 | 37 | -0.45 | 62 | Nov-21 | 4.5 | 19 | -0.96 |
| 31 | Jun-06 | 4.5 | 26 | -0.76 | 63 | Jun-22 | 4.5 | 11 | -1.19 |
| 32 | Nov-06 | 4.5 | 17 | -1.02 | 64 | Nov-22 | 4.5 | 9 | -1.25 |
| 33 | Jun-07 | 4.5 | 34 | -0.53 | 65 | Jun-23 | 4.5 | 11 | -1.19 |
| 34 | Nov-07 | 4.5 | 23 | -0.85 | 66 | Nov-23 | 4.5 | 13 | -1.13 |
| 35 | Jun-08 | 4.5 | 35 | -0.50 | 67 | Jun-24 | 4.5 | 21 | -0.90 |
| 36 | Nov-08 | 4.5 | 17 | -1.02 | 68 | Nov-24 | 4.5 | 35 | -0.50 |
| 37 | Jun-09 | 4.5 | 34 | -0.53 | 69 | Jun-25 | 4.5 | 12 | -1.16 |
| 38 | Nov-09 | 4.5 | 16 | -1.05 | | | | | |
| 39 | Jun-10 | 4.5 | 32 | -0.59 | | | | | |
| 40 | Nov-10 | 4.5 | 18 | -0.99 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

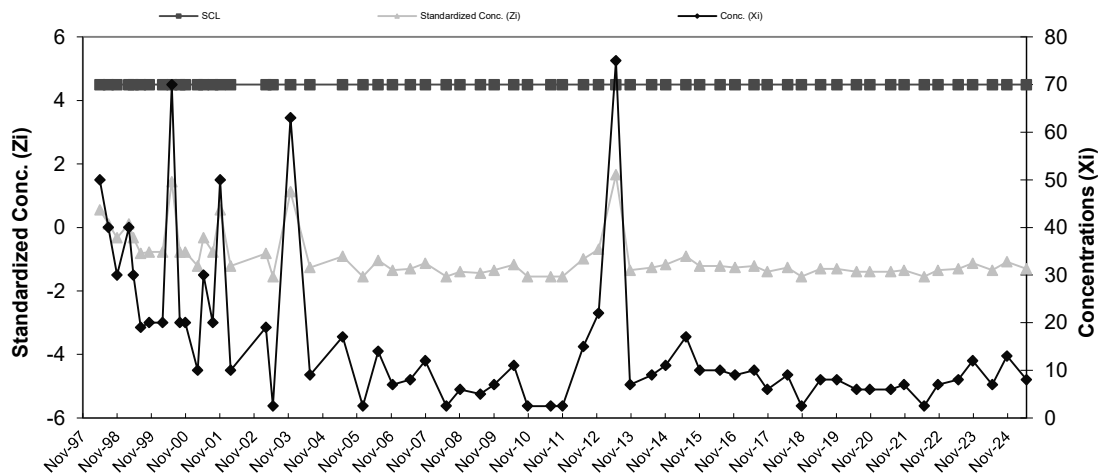


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault D - Zinc**

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 20 | 37.49 | 22.59 |
| 2 | Jun-96 | 10 | | |
| 3 | Aug-96 | 40 | | |
| 4 | Nov-96 | 70 | | |
| 5 | May-97 | 70 | | |
| 6 | Aug-97 | 20 | | |
| 7 | Nov-97 | 30 | | |
| 8 | Feb-98 | 40 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 50 | 0.55 | 42 | Nov-11 | 4.5 | 2.5 | -1.55 |
| 10 | Aug-98 | 4.5 | 40 | 0.11 | 43 | Jun-12 | 4.5 | 15 | -1.00 |
| 11 | Nov-98 | 4.5 | 30 | -0.33 | 44 | Dec-12 | 4.5 | 22 | -0.69 |
| 12 | Mar-99 | 4.5 | 40 | 0.11 | 45 | Jun-13 | 4.5 | 75 | 1.66 |
| 13 | May-99 | 4.5 | 30 | -0.33 | 46 | Nov-13 | 4.5 | 7 | -1.35 |
| 14 | Jul-99 | 4.5 | 19 | -0.82 | 47 | Jun-14 | 4.5 | 9 | -1.26 |
| 15 | Oct-99 | 4.5 | 20 | -0.77 | 48 | Nov-14 | 4.5 | 11 | -1.17 |
| 16 | Mar-00 | 4.5 | 20 | -0.77 | 49 | Jun-15 | 4.5 | 17 | -0.91 |
| 17 | Jun-00 | 4.5 | 70 | 1.44 | 50 | Nov-15 | 4.5 | 10 | -1.22 |
| 18 | Sep-00 | 4.5 | 20 | -0.77 | 51 | Jun-16 | 4.5 | 10 | -1.22 |
| 19 | Nov-00 | 4.5 | 20 | -0.77 | 52 | Nov-16 | 4.5 | 9 | -1.26 |
| 20 | Mar-01 | 4.5 | 10 | -1.22 | 53 | Jun-17 | 4.5 | 10 | -1.22 |
| 21 | May-01 | 4.5 | 30 | -0.33 | 54 | Nov-17 | 4.5 | 6 | -1.39 |
| 22 | Aug-01 | 4.5 | 20 | -0.77 | 55 | Jun-18 | 4.5 | 9 | -1.26 |
| 23 | Nov-01 | 4.5 | 50 | 0.55 | 56 | Nov-18 | 4.5 | 2.5 | -1.55 |
| 24 | Mar-02 | 4.5 | 10 | -1.22 | 57 | May-19 | 4.5 | 8 | -1.31 |
| 25 | Mar-03 | 4.5 | 19 | -0.82 | 58 | Nov-19 | 4.5 | 8 | -1.31 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.55 | 59 | Jun-20 | 4.5 | 6 | -1.39 |
| 27 | Dec-03 | 4.5 | 63 | 1.13 | 60 | Nov-20 | 4.5 | 6 | -1.39 |
| 28 | Jun-04 | 4.5 | 9 | -1.26 | 61 | Jun-21 | 4.5 | 6 | -1.39 |
| 29 | Jun-05 | 4.5 | 17 | -0.91 | 62 | Nov-21 | 4.5 | 7 | -1.35 |
| 30 | Jan-06 | 4.5 | 2.5 | -1.55 | 63 | Jun-22 | 4.5 | 2.5 | -1.55 |
| 31 | Jun-06 | 4.5 | 14 | -1.04 | 64 | Nov-22 | 4.5 | 7 | -1.35 |
| 32 | Nov-06 | 4.5 | 7 | -1.35 | 65 | Jun-23 | 4.5 | 8 | -1.31 |
| 33 | Jun-07 | 4.5 | 8 | -1.31 | 66 | Nov-23 | 4.5 | 12 | -1.13 |
| 34 | Nov-07 | 4.5 | 12 | -1.13 | 67 | Jun-24 | 4.5 | 7 | -1.35 |
| 35 | Jun-08 | 4.5 | 2.5 | -1.55 | 68 | Nov-24 | 4.5 | 13 | -1.08 |
| 36 | Nov-08 | 4.5 | 6 | -1.39 | 69 | Jun-25 | 4.5 | 8 | -1.31 |
| 37 | Jun-09 | 4.5 | 5 | -1.44 | | | | | |
| 38 | Nov-09 | 4.5 | 7 | -1.35 | | | | | |
| 39 | Jun-10 | 4.5 | 11 | -1.17 | | | | | |
| 40 | Nov-10 | 4.5 | 2.5 | -1.55 | | | | | |
| 41 | Jul-11 | 4.5 | 2.5 | -1.55 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

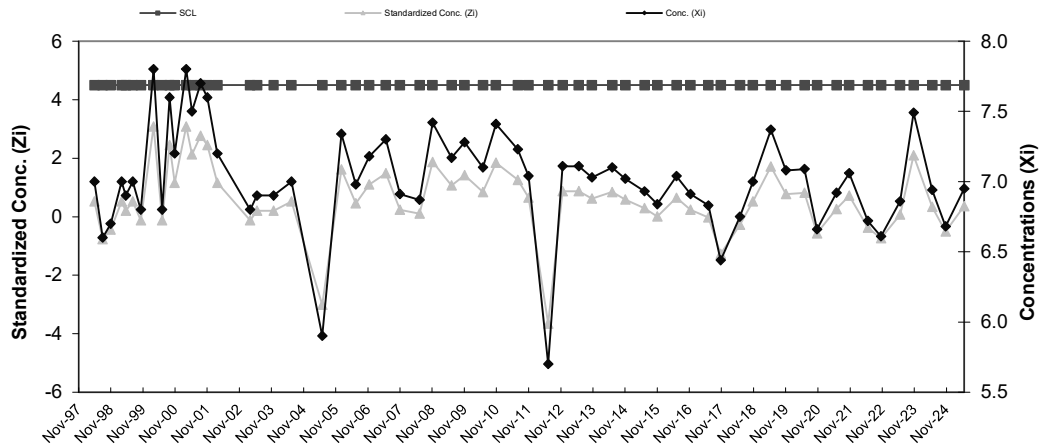


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault D - pH**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 7.3 | 6.84 | 0.31 |
| 2 | Jun-96 | 6.9 | | |
| 3 | Aug-96 | 7.2 | | |
| 4 | Nov-96 | 7 | | |
| 5 | May-97 | 6.7 | | |
| 6 | Aug-97 | 6.5 | | |
| 7 | Nov-97 | 6.6 | | |
| 8 | Feb-98 | 6.5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 7.00 | 0.52 | 42 | Nov-11 | 4.5 | 7.04 | 0.65 |
| 10 | Aug-98 | 4.5 | 6.60 | -0.76 | 43 | Jun-12 | 4.5 | 5.70 | -3.65 |
| 11 | Nov-98 | 4.5 | 6.70 | -0.44 | 44 | Dec-12 | 4.5 | 7.11 | 0.88 |
| 12 | Mar-99 | 4.5 | 7.00 | 0.52 | 45 | Jun-13 | 4.5 | 7.11 | 0.88 |
| 13 | May-99 | 4.5 | 6.90 | 0.20 | 46 | Nov-13 | 4.5 | 7.03 | 0.62 |
| 14 | Jul-99 | 4.5 | 7.00 | 0.52 | 47 | Jun-14 | 4.5 | 7.10 | 0.84 |
| 15 | Oct-99 | 4.5 | 6.80 | -0.12 | 48 | Nov-14 | 4.5 | 7.02 | 0.59 |
| 16 | Mar-00 | 4.5 | 7.80 | 3.09 | 49 | Jun-15 | 4.5 | 6.93 | 0.30 |
| 17 | Jun-00 | 4.5 | 6.80 | -0.12 | 50 | Nov-15 | 4.5 | 6.84 | 0.01 |
| 18 | Sep-00 | 4.5 | 7.60 | 2.45 | 51 | Jun-16 | 4.5 | 7.04 | 0.65 |
| 19 | Nov-00 | 4.5 | 7.20 | 1.16 | 52 | Nov-16 | 4.5 | 6.91 | 0.23 |
| 20 | Mar-01 | 4.5 | 7.80 | 3.09 | 53 | Jun-17 | 4.5 | 6.83 | -0.02 |
| 21 | May-01 | 4.5 | 7.50 | 2.13 | 54 | Nov-17 | 4.5 | 6.44 | -1.28 |
| 22 | Aug-01 | 4.5 | 7.70 | 2.77 | 55 | Jun-18 | 4.5 | 6.75 | -0.28 |
| 23 | Nov-01 | 4.5 | 7.60 | 2.45 | 56 | Nov-18 | 4.5 | 7.00 | 0.52 |
| 24 | Mar-02 | 4.5 | 7.20 | 1.16 | 57 | May-19 | 4.5 | 7.37 | 1.71 |
| 25 | Mar-03 | 4.5 | 6.80 | -0.12 | 58 | Nov-19 | 4.5 | 7.08 | 0.78 |
| 26 | Jun-03 | 4.5 | 6.90 | 0.20 | 59 | Jun-20 | 4.5 | 7.09 | 0.81 |
| 27 | Dec-03 | 4.5 | 6.90 | 0.20 | 60 | Nov-20 | 4.5 | 6.66 | -0.57 |
| 28 | Jun-04 | 4.5 | 7.00 | 0.52 | 61 | Jun-21 | 4.5 | 6.92 | 0.26 |
| 29 | Jun-05 | 4.5 | 5.90 | -3.01 | 62 | Nov-21 | 4.5 | 7.06 | 0.71 |
| 30 | Jan-06 | 4.5 | 7.34 | 1.61 | 63 | Jun-22 | 4.5 | 6.72 | -0.38 |
| 31 | Jun-06 | 4.5 | 6.98 | 0.46 | 64 | Nov-22 | 4.5 | 6.61 | -0.73 |
| 32 | Nov-06 | 4.5 | 7.18 | 1.10 | 65 | Jun-23 | 4.5 | 6.86 | 0.07 |
| 33 | Jun-07 | 4.5 | 7.30 | 1.49 | 66 | Nov-23 | 4.5 | 7.49 | 2.10 |
| 34 | Nov-07 | 4.5 | 6.91 | 0.23 | 67 | Jun-24 | 4.5 | 6.94 | 0.33 |
| 35 | Jun-08 | 4.5 | 6.87 | 0.10 | 68 | Nov-24 | 4.5 | 6.68 | -0.51 |
| 36 | Nov-08 | 4.5 | 7.42 | 1.87 | 69 | Jun-25 | 4.5 | 6.95 | 0.36 |
| 37 | Jun-09 | 4.5 | 7.17 | 1.07 | | | | | |
| 38 | Nov-09 | 4.5 | 7.28 | 1.42 | | | | | |
| 39 | Jun-10 | 4.5 | 7.10 | 0.84 | | | | | |
| 40 | Nov-10 | 4.5 | 7.41 | 1.84 | | | | | |
| 41 | Jul-11 | 4.5 | 7.23 | 1.26 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

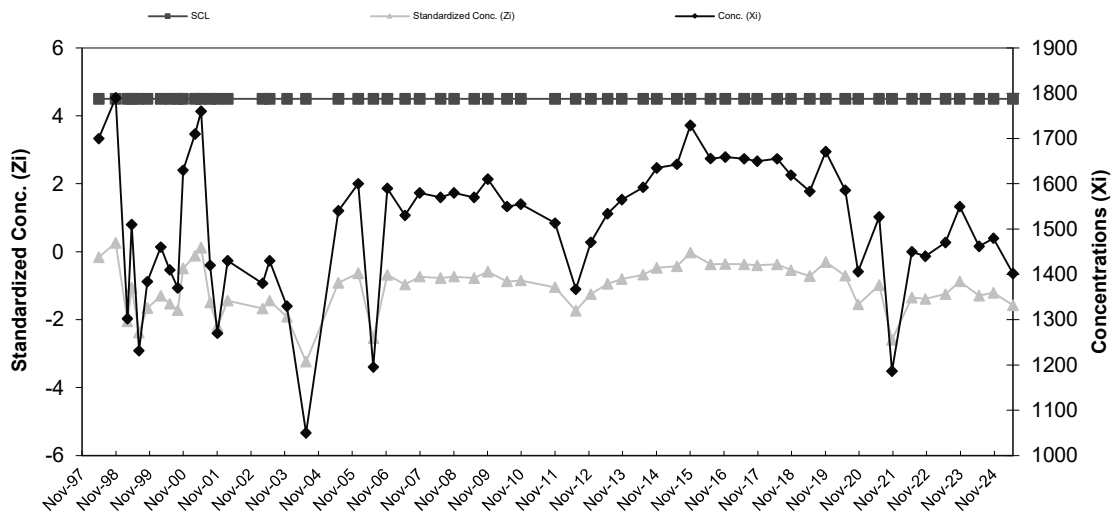


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault D - SpC**

| Baseline Data | | | | |
|---------------|--------|-------|-----------------|---------------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-95 | 2200 | 1,734.38 | 211.31 |
| 2 | Jun-96 | 1800 | | |
| 3 | Aug-96 | 1600 | | |
| 4 | Nov-96 | 1700 | | |
| 5 | May-97 | 1580 | | |
| 6 | Aug-97 | 1540 | | |
| 7 | Nov-97 | 1800 | | |
| 8 | Feb-98 | 1655 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 1700 | -0.16 | 41 | Nov-11 | 4.5 | 1513 | -1.05 |
| 11 | Nov-98 | 4.5 | 1790 | 0.26 | 42 | Jun-12 | 4.5 | 1367 | -1.74 |
| 12 | Mar-99 | 4.5 | 1302 | -2.05 | 43 | Dec-12 | 4.5 | 1471 | -1.25 |
| 13 | May-99 | 4.5 | 1510 | -1.06 | 44 | Jun-13 | 4.5 | 1534 | -0.95 |
| 14 | Jul-99 | 4.5 | 1231 | -2.38 | 45 | Nov-13 | 4.5 | 1565 | -0.80 |
| 15 | Oct-99 | 4.5 | 1384 | -1.66 | 46 | Jun-14 | 4.5 | 1592 | -0.67 |
| 16 | Mar-00 | 4.5 | 1460 | -1.30 | 47 | Nov-14 | 4.5 | 1635 | -0.47 |
| 17 | Jun-00 | 4.5 | 1410 | -1.54 | 48 | Jun-15 | 4.5 | 1643 | -0.43 |
| 18 | Sep-00 | 4.5 | 1370 | -1.72 | 49 | Nov-15 | 4.5 | 1729 | -0.03 |
| 19 | Nov-00 | 4.5 | 1630 | -0.49 | 50 | Jun-16 | 4.5 | 1656 | -0.37 |
| 20 | Mar-01 | 4.5 | 1710 | -0.12 | 51 | Nov-16 | 4.5 | 1659 | -0.36 |
| 21 | May-01 | 4.5 | 1760 | 0.12 | 52 | Jun-17 | 4.5 | 1655 | -0.38 |
| 22 | Aug-01 | 4.5 | 1420 | -1.49 | 53 | Nov-17 | 4.5 | 1650 | -0.40 |
| 23 | Nov-01 | 4.5 | 1270 | -2.20 | 54 | Jun-18 | 4.5 | 1655 | -0.38 |
| 24 | Mar-02 | 4.5 | 1430 | -1.44 | 55 | Nov-18 | 4.5 | 1619 | -0.55 |
| 25 | Mar-03 | 4.5 | 1380 | -1.68 | 56 | May-19 | 4.5 | 1583 | -0.72 |
| 26 | Jun-03 | 4.5 | 1430 | -1.44 | 57 | Nov-19 | 4.5 | 1671 | -0.30 |
| 27 | Dec-03 | 4.5 | 1330 | -1.91 | 58 | Jun-20 | 4.5 | 1586 | -0.70 |
| 28 | Jun-04 | 4.5 | 1050 | -3.24 | 59 | Nov-20 | 4.5 | 1406 | -1.55 |
| 29 | Jun-05 | 4.5 | 1540 | -0.92 | 60 | Jun-21 | 4.5 | 1527 | -0.98 |
| 30 | Jan-06 | 4.5 | 1600 | -0.64 | 61 | Nov-21 | 4.5 | 1186 | -2.60 |
| 31 | Jun-06 | 4.5 | 1195 | -2.55 | 62 | Jun-22 | 4.5 | 1450 | -1.35 |
| 32 | Nov-06 | 4.5 | 1590 | -0.68 | 63 | Nov-22 | 4.5 | 1440 | -1.39 |
| 33 | Jun-07 | 4.5 | 1530 | -0.97 | 64 | Jun-23 | 4.5 | 1470 | -1.25 |
| 34 | Nov-07 | 4.5 | 1580 | -0.73 | 65 | Nov-23 | 4.5 | 1550 | -0.87 |
| 35 | Jun-08 | 4.5 | 1570 | -0.78 | 66 | Jun-24 | 4.5 | 1462 | -1.29 |
| 36 | Nov-08 | 4.5 | 1580 | -0.73 | 67 | Nov-24 | 4.5 | 1480 | -1.20 |
| 37 | Jun-09 | 4.5 | 1570 | -0.78 | 68 | Jun-25 | 4.5 | 1402 | -1.57 |
| 38 | Nov-09 | 4.5 | 1610 | -0.59 | | | | | |
| 39 | Jun-10 | 4.5 | 1550 | -0.87 | | | | | |
| 40 | Nov-10 | 4.5 | 1555 | -0.85 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

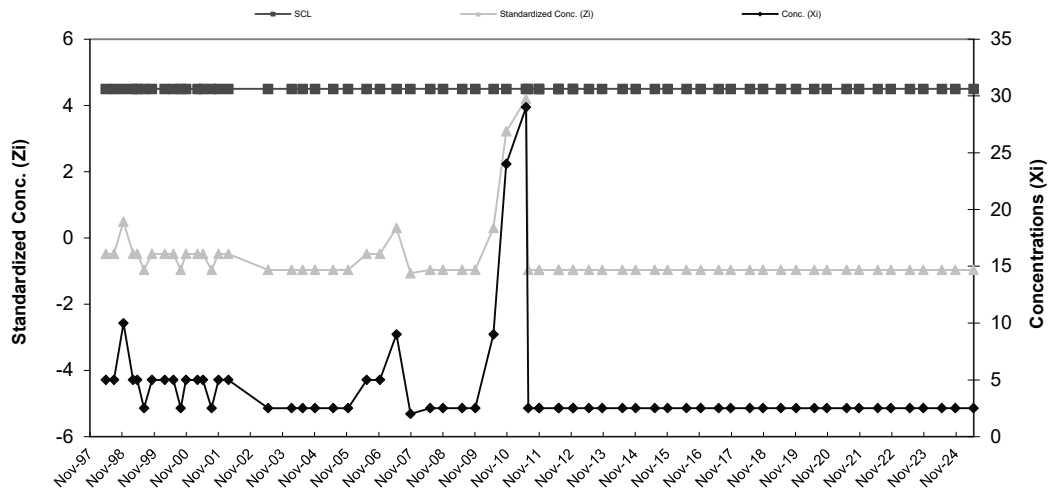


**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault E - Chromium**

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-96 | 10 | 7.48 | 5.13 |
| 2 | Jun-96 | 10 | | |
| 3 | Oct-96 | 10 | | |
| 4 | Nov-96 | 10 | | |
| 5 | May-97 | 5 | | |
| 6 | Aug-97 | 5 | | |
| 7 | Nov-97 | 5 | | |
| 8 | Feb-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 5 | -0.48 | 43 | Nov-11 | 4.5 | 2.5 | -0.97 |
| 10 | Aug-98 | 4.5 | 5 | -0.48 | 44 | Jun-12 | 4.5 | 2.5 | -0.97 |
| 11 | Nov-98 | 4.5 | 10 | 0.49 | 45 | Dec-12 | 4.5 | 2.5 | -0.97 |
| 12 | Mar-99 | 4.5 | 5 | -0.48 | 46 | Jun-13 | 4.5 | 2.5 | -0.97 |
| 13 | May-99 | 4.5 | 5 | -0.48 | 47 | Nov-13 | 4.5 | 2.5 | -0.97 |
| 14 | Jul-99 | 4.5 | 2.5 | -0.97 | 48 | Jun-14 | 4.5 | 2.5 | -0.97 |
| 15 | Oct-99 | 4.5 | 5 | -0.48 | 49 | Nov-14 | 4.5 | 2.5 | -0.97 |
| 16 | Mar-00 | 4.5 | 5 | -0.48 | 50 | Jun-15 | 4.5 | 2.5 | -0.97 |
| 17 | Jun-00 | 4.5 | 5 | -0.48 | 51 | Nov-15 | 4.5 | 2.5 | -0.97 |
| 18 | Sep-00 | 4.5 | 2.5 | -0.97 | 52 | Jun-16 | 4.5 | 2.5 | -0.97 |
| 19 | Nov-00 | 4.5 | 5 | -0.48 | 53 | Nov-16 | 4.5 | 2.5 | -0.97 |
| 20 | Mar-01 | 4.5 | 5 | -0.48 | 54 | Jun-17 | 4.5 | 2.5 | -0.97 |
| 21 | May-01 | 4.5 | 5 | -0.48 | 55 | Nov-17 | 4.5 | 2.5 | -0.97 |
| 22 | Aug-01 | 4.5 | 2.5 | -0.97 | 56 | Jun-18 | 4.5 | 2.5 | -0.97 |
| 23 | Nov-01 | 4.5 | 5 | -0.48 | 57 | Nov-18 | 4.5 | 2.5 | -0.97 |
| 24 | Mar-02 | 4.5 | 5 | -0.48 | 58 | May-19 | 4.5 | 2.5 | -0.97 |
| 25 | Jun-03 | 4.5 | 2.5 | -0.97 | 59 | Nov-19 | 4.5 | 2.5 | -0.97 |
| 26 | Feb-04 | 4.5 | 2.5 | -0.97 | 60 | Jun-20 | 4.5 | 2.5 | -0.97 |
| 27 | Jun-04 | 4.5 | 2.5 | -0.97 | 61 | Nov-20 | 4.5 | 2.5 | -0.97 |
| 28 | Nov-04 | 4.5 | 2.5 | -0.97 | 62 | Jun-21 | 4.5 | 2.5 | -0.97 |
| 29 | Jun-05 | 4.5 | 2.5 | -0.97 | 63 | Nov-21 | 4.5 | 2.5 | -0.97 |
| 30 | Dec-05 | 4.5 | 2.5 | -0.97 | 64 | Jun-22 | 4.5 | 2.5 | -0.97 |
| 31 | Jun-06 | 4.5 | 5 | -0.48 | 65 | Nov-22 | 4.5 | 2.5 | -0.97 |
| 32 | Nov-06 | 4.5 | 5 | -0.48 | 66 | Jun-23 | 4.5 | 2.5 | -0.97 |
| 33 | Jun-07 | 4.5 | 9 | 0.30 | 67 | Nov-23 | 4.5 | 2.5 | -0.97 |
| 34 | Nov-07 | 4.5 | 2 | -1.07 | 68 | Jun-24 | 4.5 | 2.5 | -0.97 |
| 35 | Jun-08 | 4.5 | 2.5 | -0.97 | 69 | Nov-24 | 4.5 | 2.5 | -0.97 |
| 36 | Nov-08 | 4.5 | 2.5 | -0.97 | 70 | Jun-25 | 4.5 | 2.5 | -0.97 |
| 37 | Jun-09 | 4.5 | 2.5 | -0.97 | | | | | |
| 38 | Nov-09 | 4.5 | 2.5 | -0.97 | | | | | |
| 39 | Jun-10 | 4.5 | 9 | 0.30 | | | | | |
| 40 | Nov-10 | 4.5 | 24 | 3.22 | | | | | |
| 41 | Jun-11 | 4.5 | 29 | 4.19 | | | | | |
| 42 | Jul-11 | 4.5 | 2.5 | -0.97 | | | | | |
| 43 | Nov-11 | 4.5 | 2.5 | -0.97 | | | | | |
| 44 | Jun-12 | 4.5 | 2.5 | -0.97 | | | | | |
| 45 | Dec-12 | 4.5 | 2.5 | -0.97 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

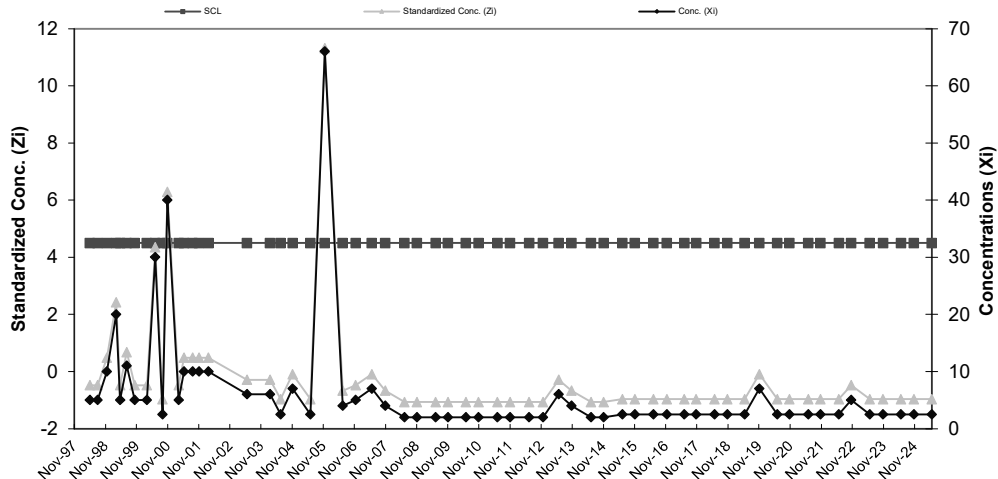


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault E - Copper

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-96 | 10 | 7.50 | 5.17 |
| 2 | Jun-96 | 10 | | |
| 3 | Oct-96 | 10 | | |
| 4 | Nov-96 | 10 | | |
| 5 | May-97 | 5 | | |
| 6 | Aug-97 | 5 | | |
| 7 | Nov-97 | 5 | | |
| 8 | Feb-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 5 | -0.48 | 42 | Nov-11 | 4.5 | 2 | -1.06 |
| 10 | Aug-98 | 4.5 | 5 | -0.48 | 43 | Jun-12 | 4.5 | 2 | -1.06 |
| 11 | Nov-98 | 4.5 | 10 | 0.48 | 44 | Dec-12 | 4.5 | 2 | -1.06 |
| 12 | Mar-99 | 4.5 | 20 | 2.42 | 45 | Jun-13 | 4.5 | 6 | -0.29 |
| 13 | May-99 | 4.5 | 5 | -0.48 | 46 | Nov-13 | 4.5 | 4 | -0.68 |
| 14 | Jul-99 | 4.5 | 11 | 0.68 | 47 | Jun-14 | 4.5 | 2 | -1.06 |
| 15 | Oct-99 | 4.5 | 5 | -0.48 | 48 | Nov-14 | 4.5 | 2 | -1.06 |
| 16 | Mar-00 | 4.5 | 5 | -0.48 | 49 | Jun-15 | 4.5 | 2.5 | -0.97 |
| 17 | Jun-00 | 4.5 | 30 | 4.35 | 50 | Nov-15 | 4.5 | 2.5 | -0.97 |
| 18 | Sep-00 | 4.5 | 2.5 | -0.97 | 51 | Jun-16 | 4.5 | 2.5 | -0.97 |
| 19 | Nov-00 | 4.5 | 40 | 6.29 | 52 | Nov-16 | 4.5 | 2.5 | -0.97 |
| 20 | Mar-01 | 4.5 | 5 | -0.48 | 53 | Jun-17 | 4.5 | 2.5 | -0.97 |
| 21 | May-01 | 4.5 | 10 | 0.48 | 54 | Nov-17 | 4.5 | 2.5 | -0.97 |
| 22 | Aug-01 | 4.5 | 10 | 0.48 | 55 | Jun-18 | 4.5 | 2.5 | -0.97 |
| 23 | Nov-01 | 4.5 | 10 | 0.48 | 56 | Nov-18 | 4.5 | 2.5 | -0.97 |
| 24 | Mar-02 | 4.5 | 10 | 0.48 | 57 | May-19 | 4.5 | 2.5 | -0.97 |
| 25 | Jun-03 | 4.5 | 6 | -0.29 | 58 | Nov-19 | 4.5 | 7 | -1.10 |
| 26 | Feb-04 | 4.5 | 6 | -0.29 | 59 | Jun-20 | 4.5 | 2.5 | -0.97 |
| 27 | Jun-04 | 4.5 | 2.5 | -0.97 | 60 | Nov-20 | 4.5 | 2.5 | -0.97 |
| 28 | Nov-04 | 4.5 | 7 | -0.10 | 61 | Jun-21 | 4.5 | 2.5 | -0.97 |
| 29 | Jun-05 | 4.5 | 2.5 | -0.97 | 62 | Nov-21 | 4.5 | 2.5 | -0.97 |
| 30 | Dec-05 | 4.5 | 66 | 11.32 | 63 | Jun-22 | 4.5 | 2.5 | -0.97 |
| 31 | Jun-06 | 4.5 | 4 | -0.68 | 64 | Nov-22 | 4.5 | 5 | -0.48 |
| 32 | Nov-06 | 4.5 | 5 | -0.48 | 65 | Jun-23 | 4.5 | 2.5 | -0.97 |
| 33 | Jun-07 | 4.5 | 7 | -0.10 | 66 | Nov-23 | 4.5 | 2.5 | -0.97 |
| 34 | Nov-07 | 4.5 | 4 | -0.68 | 67 | Jun-24 | 4.5 | 2.5 | -0.97 |
| 35 | Jun-08 | 4.5 | 2 | -1.06 | 68 | Nov-24 | 4.5 | 2.5 | -0.97 |
| 36 | Nov-08 | 4.5 | 2 | -1.06 | 69 | Jun-25 | 4.5 | 2.5 | -0.97 |
| 37 | Jun-09 | 4.5 | 2 | -1.06 | | | | | |
| 38 | Nov-09 | 4.5 | 2 | -1.06 | | | | | |
| 39 | Jun-10 | 4.5 | 2 | -1.06 | | | | | |
| 40 | Nov-10 | 4.5 | 2 | -1.06 | | | | | |
| 41 | Jun-11 | 4.5 | 2 | -1.06 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

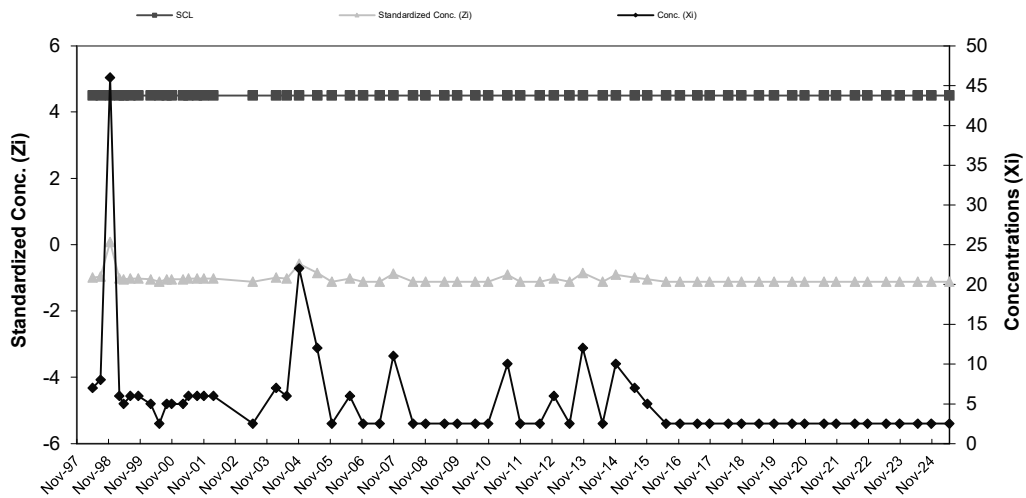


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault E - Nickel

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-96 | 46 | 43.13 | 36.46 |
| 2 | Jun-96 | 10 | | |
| 3 | Oct-96 | 10 | | |
| 4 | Nov-96 | 10 | | |
| 5 | May-97 | 35 | | |
| 6 | Aug-97 | 64 | | |
| 7 | Nov-97 | 116 | | |
| 8 | Feb-98 | 54 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 7 | -0.99 | 42 | Nov-11 | 4.5 | 2.5 | -1.11 |
| 10 | Aug-98 | 4.5 | 8 | -0.96 | 43 | Jun-12 | 4.5 | 2.5 | -1.11 |
| 11 | Nov-98 | 4.5 | 46 | 0.08 | 44 | Dec-12 | 4.5 | 6 | -1.02 |
| 12 | Mar-99 | 4.5 | 6 | -1.02 | 45 | Jun-13 | 4.5 | 2.5 | -1.11 |
| 13 | May-99 | 4.5 | 5 | -1.05 | 46 | Nov-13 | 4.5 | 12 | -0.85 |
| 14 | Jul-99 | 4.5 | 6 | -1.02 | 47 | Jun-14 | 4.5 | 2.5 | -1.11 |
| 15 | Oct-99 | 4.5 | 6 | -1.02 | 48 | Nov-14 | 4.5 | 10 | -0.91 |
| 16 | Mar-00 | 4.5 | 5 | -1.05 | 49 | Jun-15 | 4.5 | 7 | -0.99 |
| 17 | Jun-00 | 4.5 | 2.5 | -1.11 | 50 | Nov-15 | 4.5 | 5 | -1.05 |
| 18 | Sep-00 | 4.5 | 5 | -1.05 | 51 | Jun-16 | 4.5 | 2.5 | -1.11 |
| 19 | Nov-00 | 4.5 | 5 | -1.05 | 52 | Nov-16 | 4.5 | 2.5 | -1.11 |
| 20 | Mar-01 | 4.5 | 5 | -1.05 | 53 | Jun-17 | 4.5 | 2.5 | -1.11 |
| 21 | May-01 | 4.5 | 6 | -1.02 | 54 | Nov-17 | 4.5 | 2.5 | -1.11 |
| 22 | Aug-01 | 4.5 | 6 | -1.02 | 55 | Jun-18 | 4.5 | 2.5 | -1.11 |
| 23 | Nov-01 | 4.5 | 6 | -1.02 | 56 | Nov-18 | 4.5 | 2.5 | -1.11 |
| 24 | Mar-02 | 4.5 | 6 | -1.02 | 57 | May-19 | 4.5 | 2.5 | -1.11 |
| 25 | Jun-03 | 4.5 | 2.5 | -1.11 | 58 | Nov-19 | 4.5 | 2.5 | -1.11 |
| 26 | Feb-04 | 4.5 | 7 | -0.99 | 59 | Jun-20 | 4.5 | 2.5 | -1.11 |
| 27 | Jun-04 | 4.5 | 6 | -1.02 | 60 | Nov-20 | 4.5 | 2.5 | -1.11 |
| 28 | Nov-04 | 4.5 | 22 | -0.58 | 61 | Jun-21 | 4.5 | 2.5 | -1.11 |
| 29 | Jun-05 | 4.5 | 12 | -0.85 | 62 | Nov-21 | 4.5 | 2.5 | -1.11 |
| 30 | Dec-05 | 4.5 | 2.5 | -1.11 | 63 | Jun-22 | 4.5 | 2.5 | -1.11 |
| 31 | Jun-06 | 4.5 | 6 | -1.02 | 64 | Nov-22 | 4.5 | 2.5 | -1.11 |
| 32 | Nov-06 | 4.5 | 2.5 | -1.11 | 65 | Jun-23 | 4.5 | 2.5 | -1.11 |
| 33 | Jun-07 | 4.5 | 2.5 | -1.11 | 66 | Nov-23 | 4.5 | 2.5 | -1.11 |
| 34 | Nov-07 | 4.5 | 11 | -0.88 | 67 | Jun-24 | 4.5 | 2.5 | -1.11 |
| 35 | Jun-08 | 4.5 | 2.5 | -1.11 | 68 | Nov-24 | 4.5 | 2.5 | -1.11 |
| 36 | Nov-08 | 4.5 | 2.5 | -1.11 | 69 | Jun-25 | 4.5 | 2.5 | -1.11 |
| 37 | Jun-09 | 4.5 | 2.5 | -1.11 | | | | | |
| 38 | Nov-09 | 4.5 | 2.5 | -1.11 | | | | | |
| 39 | Jun-10 | 4.5 | 2.5 | -1.11 | | | | | |
| 40 | Nov-10 | 4.5 | 2.5 | -1.11 | | | | | |
| 41 | Jun-11 | 4.5 | 10 | -0.91 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

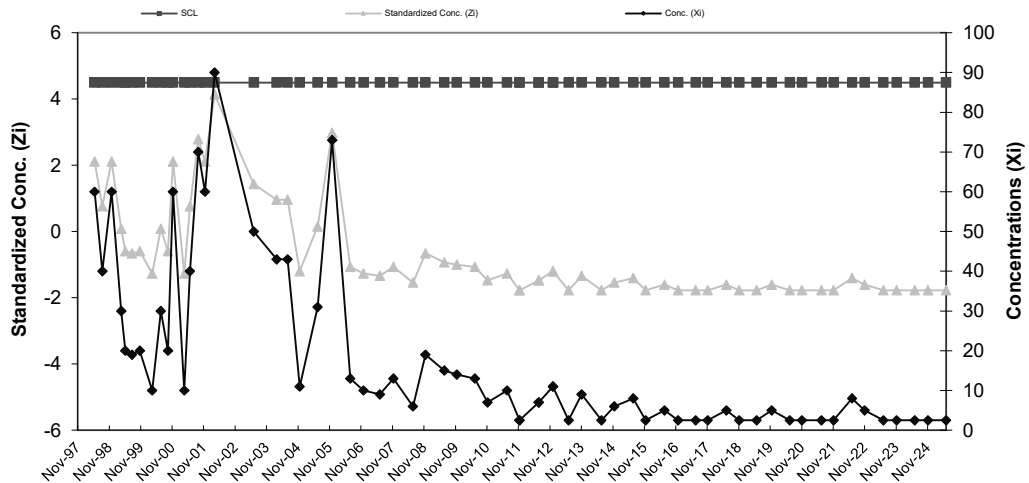


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault E - Zinc

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-96 | 10 | 28.75 | 14.79 |
| 2 | Jun-96 | 10 | | |
| 3 | Oct-96 | 20 | | |
| 4 | Nov-96 | 30 | | |
| 5 | May-97 | 30 | | |
| 6 | Aug-97 | 40 | | |
| 7 | Nov-97 | 40 | | |
| 8 | Feb-98 | 50 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 60 | 2.11 | 42 | Nov-11 | 4.5 | 2.5 | -1.77 |
| 10 | Aug-98 | 4.5 | 40 | 0.76 | 43 | Jun-12 | 4.5 | 7 | -1.47 |
| 11 | Nov-98 | 4.5 | 60 | 2.11 | 44 | Dec-12 | 4.5 | 11 | -1.20 |
| 12 | Mar-99 | 4.5 | 30 | 0.08 | 45 | Jun-13 | 4.5 | 2.5 | -1.77 |
| 13 | May-99 | 4.5 | 20 | -0.59 | 46 | Nov-13 | 4.5 | 9 | -1.34 |
| 14 | Jul-99 | 4.5 | 19 | -0.66 | 47 | Jun-14 | 4.5 | 2.5 | -1.77 |
| 15 | Oct-99 | 4.5 | 20 | -0.59 | 48 | Nov-14 | 4.5 | 6 | -1.54 |
| 16 | Mar-00 | 4.5 | 10 | -1.27 | 49 | Jun-15 | 4.5 | 8 | -1.40 |
| 17 | Jun-00 | 4.5 | 30 | 0.08 | 50 | Nov-15 | 4.5 | 2.5 | -1.77 |
| 18 | Sep-00 | 4.5 | 20 | -0.59 | 51 | Jun-16 | 4.5 | 5 | -1.61 |
| 19 | Nov-00 | 4.5 | 60 | 2.11 | 52 | Nov-16 | 4.5 | 2.5 | -1.77 |
| 20 | Mar-01 | 4.5 | 10 | -1.27 | 53 | Jun-17 | 4.5 | 2.5 | -1.77 |
| 21 | May-01 | 4.5 | 40 | 0.76 | 54 | Nov-17 | 4.5 | 2.5 | -1.77 |
| 22 | Aug-01 | 4.5 | 70 | 2.79 | 55 | Jun-18 | 4.5 | 5 | -1.61 |
| 23 | Nov-01 | 4.5 | 60 | 2.11 | 56 | Nov-18 | 4.5 | 2.5 | -1.77 |
| 24 | Mar-02 | 4.5 | 90 | 4.14 | 57 | May-19 | 4.5 | 2.5 | -1.77 |
| 25 | Jun-03 | 4.5 | 50 | 1.44 | 58 | Nov-19 | 4.5 | 5 | -1.61 |
| 26 | Feb-04 | 4.5 | 43 | 0.96 | 59 | Jun-20 | 4.5 | 2.5 | -1.77 |
| 27 | Jun-04 | 4.5 | 43 | 0.96 | 60 | Nov-20 | 4.5 | 2.5 | -1.77 |
| 28 | Nov-04 | 4.5 | 11 | -1.20 | 61 | Jun-21 | 4.5 | 2.5 | -1.77 |
| 29 | Jun-05 | 4.5 | 31 | 0.15 | 62 | Nov-21 | 4.5 | 2.5 | -1.77 |
| 30 | Dec-05 | 4.5 | 73 | 2.99 | 63 | Jun-22 | 4.5 | 8 | -1.40 |
| 31 | Jun-06 | 4.5 | 13 | -1.06 | 64 | Nov-22 | 4.5 | 5 | -1.61 |
| 32 | Nov-06 | 4.5 | 10 | -1.27 | 65 | Jun-23 | 4.5 | 2.5 | -1.77 |
| 33 | Jun-07 | 4.5 | 9 | -1.34 | 66 | Nov-23 | 4.5 | 2.5 | -1.77 |
| 34 | Nov-07 | 4.5 | 13 | -1.06 | 67 | Jun-24 | 4.5 | 2.5 | -1.77 |
| 35 | Jun-08 | 4.5 | 6 | -1.54 | 68 | Nov-24 | 4.5 | 2.5 | -1.77 |
| 36 | Nov-08 | 4.5 | 19 | -0.66 | 69 | Jun-25 | 4.5 | 2.5 | -1.77 |
| 37 | Jun-09 | 4.5 | 15 | -0.93 | | | | | |
| 38 | Nov-09 | 4.5 | 14 | -1.00 | | | | | |
| 39 | Jun-10 | 4.5 | 13 | -1.06 | | | | | |
| 40 | Nov-10 | 4.5 | 7 | -1.47 | | | | | |
| 41 | Jun-11 | 4.5 | 10 | -1.27 | | | | | |
| 42 | Nov-11 | 4.5 | 2.5 | -1.77 | | | | | |
| 43 | Jun-12 | 4.5 | 7 | -1.47 | | | | | |
| 44 | Dec-12 | 4.5 | 11 | -1.20 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

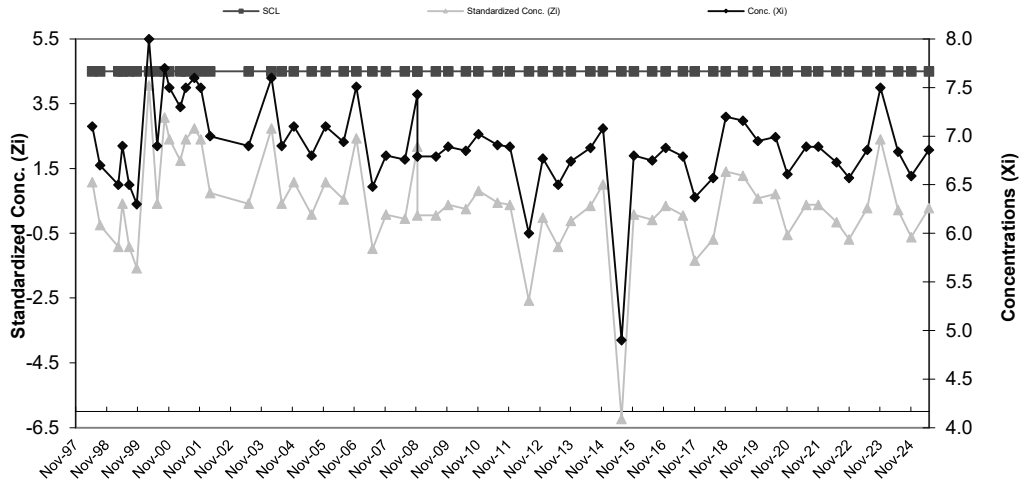


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault E - pH

| Baseline Data | | | | |
|---------------|--------|-------|-------------|-------------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-96 | 7.2 | 6.78 | 0.30 |
| 2 | Jun-96 | 7 | | |
| 3 | Oct-96 | 6.9 | | |
| 4 | Nov-96 | 7 | | |
| 5 | May-97 | 6.3 | | |
| 6 | Aug-97 | 6.7 | | |
| 7 | Nov-97 | 6.5 | | |
| 8 | Feb-98 | 6.6 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 7.10 | 1.08 | 41 | Nov-11 | 4.5 | 6.89 | 0.38 |
| 10 | Aug-98 | 4.5 | 6.70 | -0.25 | 42 | Jun-12 | 4.5 | 6.00 | -2.57 |
| 11 | Mar-99 | 4.5 | 6.50 | -0.91 | 43 | Dec-12 | 4.5 | 6.77 | -0.02 |
| 12 | May-99 | 4.5 | 6.90 | 0.42 | 44 | Jun-13 | 4.5 | 6.50 | -0.91 |
| 13 | Jul-99 | 4.5 | 6.50 | -0.91 | 45 | Nov-13 | 4.5 | 6.74 | -0.12 |
| 14 | Oct-99 | 4.5 | 6.30 | -1.58 | 46 | Jun-14 | 4.5 | 6.88 | 0.35 |
| 15 | Mar-00 | 4.5 | 8.00 | 4.07 | 47 | Nov-14 | 4.5 | 7.08 | 1.01 |
| 16 | Jun-00 | 4.5 | 6.90 | 0.42 | 48 | Jun-15 | 4.5 | 4.90 | -6.23 |
| 17 | Sep-00 | 4.5 | 7.70 | 3.07 | 49 | Nov-15 | 4.5 | 6.80 | 0.08 |
| 18 | Nov-00 | 4.5 | 7.50 | 2.41 | 50 | Jun-16 | 4.5 | 6.75 | -0.08 |
| 19 | Mar-01 | 4.5 | 7.30 | 1.74 | 51 | Nov-16 | 4.5 | 6.88 | 0.35 |
| 20 | May-01 | 4.5 | 7.50 | 2.41 | 52 | Jun-17 | 4.5 | 6.79 | 0.05 |
| 21 | Aug-01 | 4.5 | 7.60 | 2.74 | 53 | Nov-17 | 4.5 | 6.37 | -1.34 |
| 22 | Nov-01 | 4.5 | 7.50 | 2.41 | 54 | Jun-18 | 4.5 | 6.57 | -0.68 |
| 23 | Mar-02 | 4.5 | 7.00 | 0.75 | 55 | Nov-18 | 4.5 | 7.20 | 1.41 |
| 24 | Jun-03 | 4.5 | 6.90 | 0.42 | 56 | May-19 | 4.5 | 7.16 | 1.28 |
| 25 | Feb-04 | 4.5 | 7.60 | 2.74 | 57 | Nov-19 | 4.5 | 6.95 | 0.58 |
| 26 | Jun-04 | 4.5 | 6.90 | 0.42 | 58 | Jun-20 | 4.5 | 6.99 | 0.71 |
| 27 | Nov-04 | 4.5 | 7.10 | 1.08 | 59 | Nov-20 | 4.5 | 6.61 | -0.55 |
| 28 | Jun-05 | 4.5 | 6.80 | 0.08 | 60 | Jun-21 | 4.5 | 6.89 | 0.38 |
| 29 | Dec-05 | 4.5 | 7.10 | 1.08 | 61 | Nov-21 | 4.5 | 6.89 | 0.38 |
| 30 | Jun-06 | 4.5 | 6.94 | 0.55 | 62 | Jun-22 | 4.5 | 6.73 | -0.15 |
| 31 | Nov-06 | 4.5 | 7.51 | 2.44 | 63 | Nov-22 | 4.5 | 6.57 | -0.68 |
| 32 | Jun-07 | 4.5 | 6.48 | -0.98 | 64 | Jun-23 | 4.5 | 6.86 | 0.28 |
| 33 | Nov-07 | 4.5 | 6.80 | 0.08 | 65 | Nov-23 | 4.5 | 7.50 | 2.41 |
| 34 | Jun-08 | 4.5 | 6.76 | -0.05 | 66 | Jun-24 | 4.5 | 6.84 | 0.22 |
| 35 | Nov-08 | 4.5 | 7.43 | 2.17 | 67 | Nov-24 | 4.5 | 6.59 | -0.61 |
| 35 | Nov-08 | 4.5 | 6.79 | 0.05 | 68 | Jun-25 | 4.5 | 6.86 | 0.28 |
| 36 | Jun-09 | 4.5 | 6.79 | 0.05 | | | | | |
| 37 | Nov-09 | 4.5 | 6.89 | 0.38 | | | | | |
| 38 | Jun-10 | 4.5 | 6.85 | 0.25 | | | | | |
| 39 | Nov-10 | 4.5 | 7.02 | 0.81 | | | | | |
| 40 | Jun-11 | 4.5 | 6.91 | 0.45 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

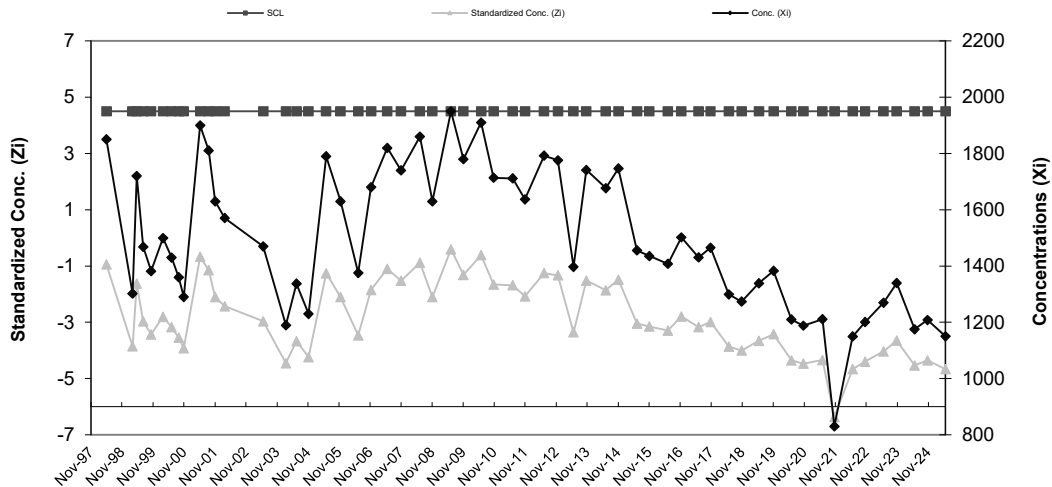


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault E - SpC

| Baseline Data | | | | |
|---------------|--------|-------|-----------------|---------------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Mar-96 | 2000 | 2,026.25 | 187.84 |
| 2 | Jun-96 | 2400 | | |
| 3 | Oct-96 | 2000 | | |
| 4 | Nov-96 | 1800 | | |
| 5 | May-97 | 2120 | | |
| 6 | Aug-97 | 1840 | | |
| 7 | Nov-97 | 2100 | | |
| 8 | Feb-98 | 1950 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 1850 | -0.94 | 39 | Nov-11 | 4.5 | 1637 | -2.07 |
| 10 | Mar-99 | 4.5 | 1302 | -3.86 | 40 | Jun-12 | 4.5 | 1792 | -1.25 |
| 11 | May-99 | 4.5 | 1720 | -1.63 | 41 | Dec-12 | 4.5 | 1776 | -1.33 |
| 12 | Jul-99 | 4.5 | 1468 | -2.97 | 42 | Jun-13 | 4.5 | 1397 | -3.35 |
| 13 | Oct-99 | 4.5 | 1382 | -3.43 | 43 | Nov-13 | 4.5 | 1741 | -1.52 |
| 14 | Mar-00 | 4.5 | 1500 | -2.80 | 44 | Jun-14 | 4.5 | 1677 | -1.86 |
| 15 | Jun-00 | 4.5 | 1430 | -3.17 | 45 | Nov-14 | 4.5 | 1747 | -1.49 |
| 16 | Sep-00 | 4.5 | 1360 | -3.55 | 46 | Jun-15 | 4.5 | 1456 | -3.04 |
| 17 | Nov-00 | 4.5 | 1290 | -3.92 | 47 | Nov-15 | 4.5 | 1435 | -3.15 |
| 18 | May-01 | 4.5 | 1900 | -0.67 | 48 | Jun-16 | 4.5 | 1408 | -3.29 |
| 19 | Aug-01 | 4.5 | 1810 | -1.15 | 49 | Nov-16 | 4.5 | 1502 | -2.79 |
| 20 | Nov-01 | 4.5 | 1630 | -2.11 | 50 | Jun-17 | 4.5 | 1431 | -3.17 |
| 21 | Mar-02 | 4.5 | 1570 | -2.43 | 51 | Nov-17 | 4.5 | 1465 | -2.99 |
| 22 | Jun-03 | 4.5 | 1470 | -2.96 | 52 | Jun-18 | 4.5 | 1300 | -3.87 |
| 23 | Feb-04 | 4.5 | 1190 | -4.45 | 53 | Nov-18 | 4.5 | 1274 | -4.00 |
| 24 | Jun-04 | 4.5 | 1337 | -3.67 | 54 | May-19 | 4.5 | 1339 | -3.66 |
| 25 | Nov-04 | 4.5 | 1230 | -4.24 | 55 | Nov-19 | 4.5 | 1383 | -3.42 |
| 26 | Jun-05 | 4.5 | 1790 | -1.26 | 56 | Jun-20 | 4.5 | 1210 | -4.35 |
| 27 | Dec-05 | 4.5 | 1630 | -2.11 | 57 | Nov-20 | 4.5 | 1188 | -4.46 |
| 28 | Jun-06 | 4.5 | 1376 | -3.46 | 58 | Jun-21 | 4.5 | 1211 | -4.34 |
| 29 | Nov-06 | 4.5 | 1680 | -1.84 | 59 | Nov-21 | 4.5 | 831 | -6.36 |
| 30 | Jun-07 | 4.5 | 1820 | -1.10 | 60 | Jun-22 | 4.5 | 1150 | -4.66 |
| 31 | Nov-07 | 4.5 | 1740 | -1.52 | 61 | Nov-22 | 4.5 | 1201 | -4.39 |
| 32 | Jun-08 | 4.5 | 1860 | -0.89 | 62 | Jun-23 | 4.5 | 1270 | -4.03 |
| 33 | Nov-08 | 4.5 | 1630 | -2.11 | 63 | Nov-23 | 4.5 | 1340 | -3.65 |
| 34 | Jun-09 | 4.5 | 1950 | -0.41 | 64 | Jun-24 | 4.5 | 1176 | -4.53 |
| 35 | Nov-09 | 4.5 | 1780 | -1.31 | 65 | Nov-24 | 4.5 | 1209 | -4.35 |
| 36 | Jun-10 | 4.5 | 1910 | -0.62 | 66 | Jun-25 | 4.5 | 1151 | -4.66 |
| 37 | Nov-10 | 4.5 | 1714 | -1.66 | | | | | |
| 38 | Jun-11 | 4.5 | 1711 | -1.68 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

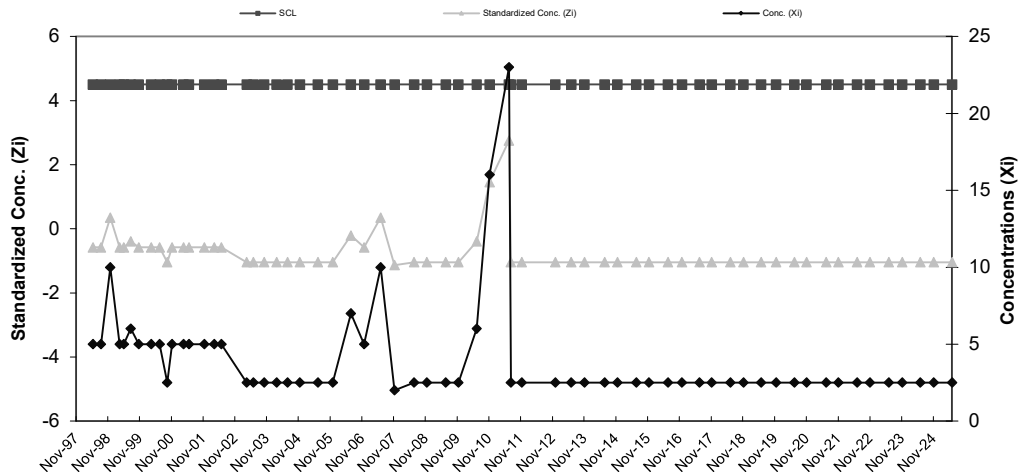


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault F - Chromium

| Baseline Data | | | | |
|---------------|--------|-------|-------------|-------------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 10 | 8.13 | 5.40 |
| 2 | Aug-95 | 10 | | |
| 3 | Jun-96 | 10 | | |
| 4 | Aug-96 | 10 | | |
| 5 | Nov-96 | 10 | | |
| 6 | Aug-97 | 5 | | |
| 7 | Nov-97 | 5 | | |
| 8 | Feb-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 5 | -0.58 | 44 | Jul-11 | 4.5 | 2.5 | -1.04 |
| 10 | Aug-98 | 4.5 | 5 | -0.58 | 45 | Nov-11 | 4.5 | 2.5 | -1.04 |
| 11 | Nov-98 | 4.5 | 10 | 0.35 | 46 | Dec-12 | 4.5 | 2.5 | -1.04 |
| 12 | Mar-99 | 4.5 | 5 | -0.58 | 47 | Jun-13 | 4.5 | 2.5 | -1.04 |
| 13 | May-99 | 4.5 | 5 | -0.58 | 48 | Nov-13 | 4.5 | 2.5 | -1.04 |
| 14 | Jul-99 | 4.5 | 6 | -0.39 | 49 | Jun-14 | 4.5 | 2.5 | -1.04 |
| 15 | Oct-99 | 4.5 | 5 | -0.58 | 50 | Nov-14 | 4.5 | 2.5 | -1.04 |
| 16 | Mar-00 | 4.5 | 5 | -0.58 | 51 | Jun-15 | 4.5 | 2.5 | -1.04 |
| 17 | Jun-00 | 4.5 | 5 | -0.58 | 52 | Nov-15 | 4.5 | 2.5 | -1.04 |
| 18 | Sep-00 | 4.5 | 2.5 | -1.04 | 53 | Jun-16 | 4.5 | 2.5 | -1.04 |
| 19 | Nov-00 | 4.5 | 5 | -0.58 | 54 | Nov-16 | 4.5 | 2.5 | -1.04 |
| 20 | Mar-01 | 4.5 | 5 | -0.58 | 55 | Jun-17 | 4.5 | 2.5 | -1.04 |
| 21 | May-01 | 4.5 | 5 | -0.58 | 56 | Nov-17 | 4.5 | 2.5 | -1.04 |
| 22 | Nov-01 | 4.5 | 5 | -0.58 | 57 | Jun-18 | 4.5 | 2.5 | -1.04 |
| 23 | Mar-02 | 4.5 | 5 | -0.58 | 58 | Nov-18 | 4.5 | 2.5 | -1.04 |
| 24 | May-02 | 4.5 | 5 | -0.58 | 59 | May-19 | 4.5 | 2.5 | -1.04 |
| 25 | Mar-03 | 4.5 | 2.5 | -1.04 | 60 | Nov-19 | 4.5 | 2.5 | -1.04 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.04 | 61 | Jun-20 | 4.5 | 2.5 | -1.04 |
| 27 | Oct-03 | 4.5 | 2.5 | -1.04 | 62 | Nov-20 | 4.5 | 2.5 | -1.04 |
| 28 | Feb-04 | 4.5 | 2.5 | -1.04 | 63 | Jun-21 | 4.5 | 2.5 | -1.04 |
| 29 | Jun-04 | 4.5 | 2.5 | -1.04 | 64 | Nov-21 | 4.5 | 2.5 | -1.04 |
| 30 | Nov-04 | 4.5 | 2.5 | -1.04 | 65 | Jun-22 | 4.5 | 2.5 | -1.04 |
| 31 | Jun-05 | 4.5 | 2.5 | -1.04 | 66 | Nov-22 | 4.5 | 2.5 | -1.04 |
| 32 | Dec-05 | 4.5 | 2.5 | -1.04 | 67 | Jun-23 | 4.5 | 2.5 | -1.04 |
| 33 | Jun-06 | 4.5 | 7 | -0.21 | 68 | Nov-23 | 4.5 | 2.5 | -1.04 |
| 34 | Nov-06 | 4.5 | 5 | -0.58 | 69 | Jun-24 | 4.5 | 2.5 | -1.04 |
| 35 | Jun-07 | 4.5 | 10 | 0.35 | 70 | Nov-24 | 4.5 | 2.5 | -1.04 |
| 36 | Nov-07 | 4.5 | 2 | -1.14 | 71 | Jun-25 | 4.5 | 2.5 | -1.04 |
| 37 | Jun-08 | 4.5 | 2.5 | -1.04 | | | | | |
| 38 | Nov-08 | 4.5 | 2.5 | -1.04 | | | | | |
| 39 | Jun-09 | 4.5 | 2.5 | -1.04 | | | | | |
| 40 | Nov-09 | 4.5 | 2.5 | -1.04 | | | | | |
| 41 | Jun-10 | 4.5 | 6 | -0.39 | | | | | |
| 42 | Nov-10 | 4.5 | 16 | 1.46 | | | | | |
| 43 | Jun-11 | 4.5 | 23 | 2.75 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

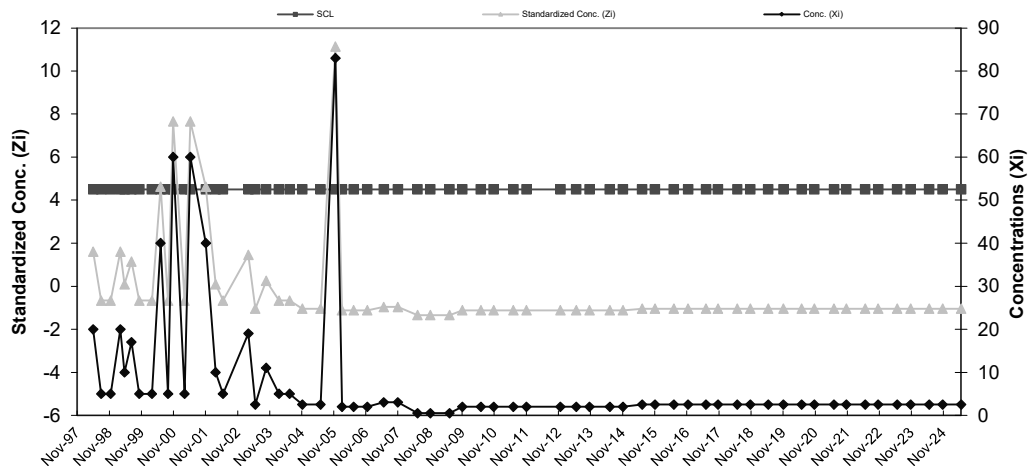


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault F - Copper

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 10 | 9.38 | 6.61 |
| 2 | Aug-95 | 10 | | |
| 3 | Jun-96 | 10 | | |
| 4 | Aug-96 | 20 | | |
| 5 | Nov-96 | 10 | | |
| 6 | Aug-97 | 5 | | |
| 7 | Nov-97 | 5 | | |
| 8 | Feb-98 | 5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 20 | 1.61 | 44 | Jun-11 | 4.5 | 2 | -1.12 |
| 10 | Aug-98 | 4.5 | 5 | -0.66 | 45 | Nov-11 | 4.5 | 2 | -1.12 |
| 11 | Nov-98 | 4.5 | 5 | -0.66 | 46 | Dec-12 | 4.5 | 2 | -1.12 |
| 12 | Mar-99 | 4.5 | 20 | 1.61 | 47 | Jun-13 | 4.5 | 2 | -1.12 |
| 13 | May-99 | 4.5 | 10 | 0.09 | 48 | Nov-13 | 4.5 | 2 | -1.12 |
| 14 | Jul-99 | 4.5 | 17 | 1.15 | 49 | Jun-14 | 4.5 | 2 | -1.12 |
| 15 | Oct-99 | 4.5 | 5 | -0.66 | 50 | Nov-14 | 4.5 | 2 | -1.12 |
| 16 | Mar-00 | 4.5 | 5 | -0.66 | 51 | Jun-15 | 4.5 | 2.5 | -1.04 |
| 17 | Jun-00 | 4.5 | 40 | 4.63 | 52 | Nov-15 | 4.5 | 2.5 | -1.04 |
| 18 | Sep-00 | 4.5 | 5 | -0.66 | 53 | Jun-16 | 4.5 | 2.5 | -1.04 |
| 19 | Nov-00 | 4.5 | 60 | 7.66 | 54 | Nov-16 | 4.5 | 2.5 | -1.04 |
| 20 | Mar-01 | 4.5 | 5 | -0.66 | 55 | Jun-17 | 4.5 | 2.5 | -1.04 |
| 21 | May-01 | 4.5 | 60 | 7.66 | 56 | Nov-17 | 4.5 | 2.5 | -1.04 |
| 22 | Nov-01 | 4.5 | 40 | 4.63 | 57 | Jun-18 | 4.5 | 2.5 | -1.04 |
| 23 | Mar-02 | 4.5 | 10 | 0.09 | 58 | Nov-18 | 4.5 | 2.5 | -1.04 |
| 24 | May-02 | 4.5 | 5 | -0.66 | 59 | May-19 | 4.5 | 2.5 | -1.04 |
| 25 | Mar-03 | 4.5 | 19 | 1.46 | 60 | Nov-19 | 4.5 | 2.5 | -1.04 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.04 | 61 | Jun-20 | 4.5 | 2.5 | -1.04 |
| 27 | Oct-03 | 4.5 | 11 | 0.25 | 62 | Nov-20 | 4.5 | 2.5 | -1.04 |
| 28 | Feb-04 | 4.5 | 5 | -0.66 | 63 | Jun-21 | 4.5 | 2.5 | -1.04 |
| 29 | Jun-04 | 4.5 | 5 | -0.66 | 64 | Nov-21 | 4.5 | 2.5 | -1.04 |
| 30 | Nov-04 | 4.5 | 2.5 | -1.04 | 65 | Jun-22 | 4.5 | 2.5 | -1.04 |
| 31 | Jun-05 | 4.5 | 2.5 | -1.04 | 66 | Nov-22 | 4.5 | 2.5 | -1.04 |
| 32 | Dec-05 | 4.5 | 83 | 11.14 | 67 | Jun-23 | 4.5 | 2.5 | -1.04 |
| 33 | Feb-06 | 4.5 | 2 | -1.12 | 68 | Nov-23 | 4.5 | 2.5 | -1.04 |
| 34 | Jun-06 | 4.5 | 2 | -1.12 | 69 | Jun-24 | 4.5 | 2.5 | -1.04 |
| 35 | Nov-06 | 4.5 | 2 | -1.12 | 70 | Nov-24 | 4.5 | 2.5 | -1.04 |
| 36 | Jun-07 | 4.5 | 3 | -0.97 | 71 | Jun-25 | 4.5 | 2.5 | -1.04 |
| 37 | Nov-07 | 4.5 | 3 | -0.97 | | | | | |
| 38 | Jun-08 | 4.5 | 0.5 | -1.34 | | | | | |
| 39 | Nov-08 | 4.5 | 0.5 | -1.34 | | | | | |
| 40 | Jun-09 | 4.5 | 0.5 | -1.34 | | | | | |
| 41 | Nov-09 | 4.5 | 2 | -1.12 | | | | | |
| 42 | Jun-10 | 4.5 | 2 | -1.12 | | | | | |
| 43 | Nov-10 | 4.5 | 2 | -1.12 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

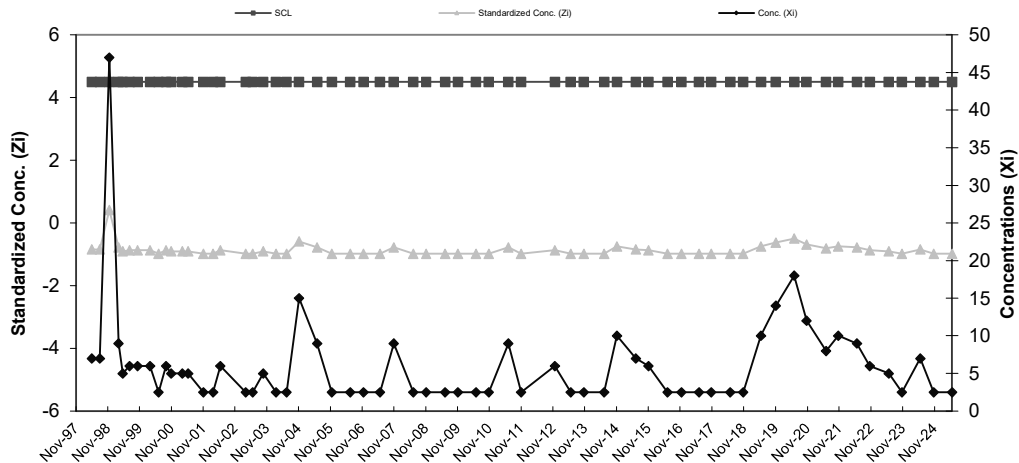


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault F - Nickel

| Baseline Data | | | | |
|---------------|--------|-------|-------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 15 | 33.88 | 31.96 |
| 2 | Aug-95 | 20 | | |
| 3 | Jun-96 | 10 | | |
| 4 | Aug-96 | 10 | | |
| 5 | Nov-96 | 10 | | |
| 6 | Aug-97 | 64 | | |
| 7 | Nov-97 | 93 | | |
| 8 | Feb-98 | 49 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 7 | -0.84 | 43 | Jun-11 | 4.5 | 9 | -0.78 |
| 10 | Aug-98 | 4.5 | 7 | -0.84 | 44 | Nov-11 | 4.5 | 2.5 | -0.98 |
| 11 | Nov-98 | 4.5 | 47 | 0.41 | 45 | Dec-12 | 4.5 | 6 | -0.87 |
| 12 | Mar-99 | 4.5 | 9 | -0.78 | 46 | Jun-13 | 4.5 | 2.5 | -0.98 |
| 13 | May-99 | 4.5 | 5 | -0.90 | 47 | Nov-13 | 4.5 | 2.5 | -0.98 |
| 14 | Jul-99 | 4.5 | 6 | -0.87 | 48 | Jun-14 | 4.5 | 2.5 | -0.98 |
| 15 | Oct-99 | 4.5 | 6 | -0.87 | 49 | Nov-14 | 4.5 | 10 | -0.75 |
| 16 | Mar-00 | 4.5 | 6 | -0.87 | 50 | Jun-15 | 4.5 | 7 | -0.84 |
| 17 | Jun-00 | 4.5 | 2.5 | -0.98 | 51 | Nov-15 | 4.5 | 6 | -0.87 |
| 18 | Sep-00 | 4.5 | 6 | -0.87 | 52 | Jun-16 | 4.5 | 2.5 | -0.98 |
| 19 | Nov-00 | 4.5 | 5 | -0.90 | 53 | Nov-16 | 4.5 | 2.5 | -0.98 |
| 20 | Mar-01 | 4.5 | 5 | -0.90 | 54 | Jun-17 | 4.5 | 2.5 | -0.98 |
| 21 | May-01 | 4.5 | 5 | -0.90 | 55 | Nov-17 | 4.5 | 2.5 | -0.98 |
| 22 | Nov-01 | 4.5 | 2.5 | -0.98 | 56 | Jun-18 | 4.5 | 2.5 | -0.98 |
| 23 | Mar-02 | 4.5 | 2.5 | -0.98 | 57 | Nov-18 | 4.5 | 2.5 | -0.98 |
| 24 | May-02 | 4.5 | 6 | -0.87 | 58 | May-19 | 4.5 | 10 | -0.75 |
| 25 | Mar-03 | 4.5 | 2.5 | -0.98 | 59 | Nov-19 | 4.5 | 14 | -0.62 |
| 26 | Jun-03 | 4.5 | 2.5 | -0.98 | 60 | Jun-20 | 4.5 | 18 | -0.50 |
| 27 | Oct-03 | 4.5 | 5 | -0.90 | 61 | Nov-20 | 4.5 | 12 | -0.68 |
| 28 | Feb-04 | 4.5 | 2.5 | -0.98 | 62 | Jun-21 | 4.5 | 8 | -0.81 |
| 29 | Jun-04 | 4.5 | 2.5 | -0.98 | 63 | Nov-21 | 4.5 | 10 | -0.75 |
| 30 | Nov-04 | 4.5 | 15 | -0.59 | 64 | Jun-22 | 4.5 | 9 | -0.78 |
| 31 | Jun-05 | 4.5 | 9 | -0.78 | 65 | Nov-22 | 4.5 | 6 | -0.87 |
| 32 | Dec-05 | 4.5 | 2.5 | -0.98 | 66 | Jun-23 | 4.5 | 5 | -0.90 |
| 33 | Jun-06 | 4.5 | 2.5 | -0.98 | 67 | Nov-23 | 4.5 | 2.5 | -0.98 |
| 34 | Nov-06 | 4.5 | 2.5 | -0.98 | 68 | Jun-24 | 4.5 | 7 | -0.84 |
| 35 | Jun-07 | 4.5 | 2.5 | -0.98 | 69 | Nov-24 | 4.5 | 2.5 | -0.98 |
| 36 | Nov-07 | 4.5 | 9 | -0.78 | 70 | Jun-25 | 4.5 | 2.5 | -0.98 |
| 37 | Jun-08 | 4.5 | 2.5 | -0.98 | | | | | |
| 38 | Nov-08 | 4.5 | 2.5 | -0.98 | | | | | |
| 39 | Jun-09 | 4.5 | 2.5 | -0.98 | | | | | |
| 40 | Nov-09 | 4.5 | 2.5 | -0.98 | | | | | |
| 41 | Jun-10 | 4.5 | 2.5 | -0.98 | | | | | |
| 42 | Nov-10 | 4.5 | 2.5 | -0.98 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean



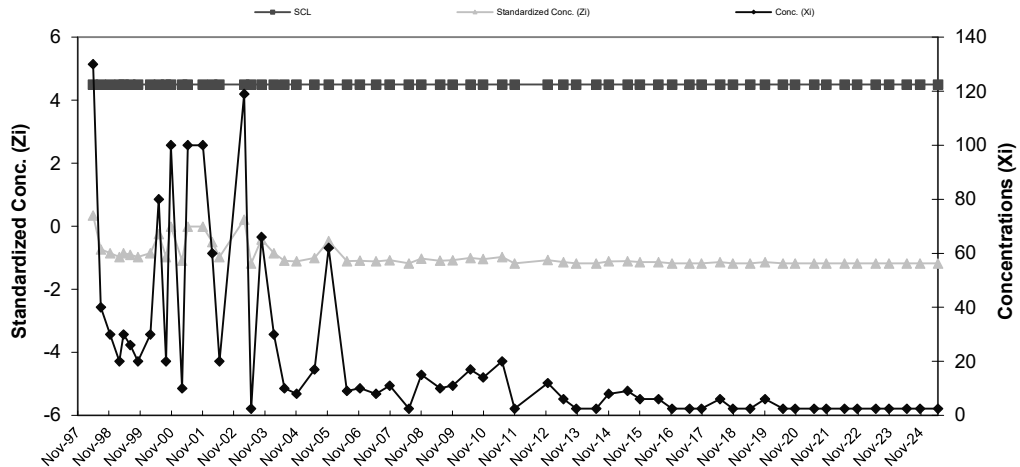
**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART**

Vault F - Zinc

| Baseline Data | | | | |
|---------------|--------|-------|--------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 190 | 101.24 | 83.60 |
| 2 | Aug-95 | 220 | | |
| 3 | Jun-96 | 10 | | |
| 4 | Aug-96 | 50 | | |
| 5 | Nov-96 | 30 | | |
| 6 | Aug-97 | 20 | | |
| 7 | Nov-97 | 130 | | |
| 8 | Feb-98 | 160 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 130 | 0.34 | 43 | Jun-11 | 4.5 | 20 | -0.97 |
| 10 | Aug-98 | 4.5 | 40 | -0.73 | 44 | Nov-11 | 4.5 | 2.5 | -1.18 |
| 11 | Nov-98 | 4.5 | 30 | -0.85 | 45 | Dec-12 | 4.5 | 12 | -1.07 |
| 12 | Mar-99 | 4.5 | 20 | -0.97 | 46 | Jun-13 | 4.5 | 6 | -1.14 |
| 13 | May-99 | 4.5 | 30 | -0.85 | 47 | Nov-13 | 4.5 | 2.5 | -1.18 |
| 14 | Jul-99 | 4.5 | 26 | -0.90 | 48 | Jun-14 | 4.5 | 2.5 | -1.18 |
| 15 | Oct-99 | 4.5 | 20 | -0.97 | 49 | Nov-14 | 4.5 | 8 | -1.12 |
| 16 | Mar-00 | 4.5 | 30 | -0.85 | 50 | Jun-15 | 4.5 | 9 | -1.10 |
| 17 | Jun-00 | 4.5 | 80 | -0.25 | 51 | Nov-15 | 4.5 | 6 | -1.14 |
| 18 | Sep-00 | 4.5 | 20 | -0.97 | 52 | Jun-16 | 4.5 | 6 | -1.14 |
| 19 | Nov-00 | 4.5 | 100 | -0.01 | 53 | Nov-16 | 4.5 | 2.5 | -1.18 |
| 20 | Mar-01 | 4.5 | 10 | -1.09 | 54 | Jun-17 | 4.5 | 2.5 | -1.18 |
| 21 | May-01 | 4.5 | 100 | -0.01 | 55 | Nov-17 | 4.5 | 2.5 | -1.18 |
| 22 | Nov-01 | 4.5 | 100 | -0.01 | 56 | Jun-18 | 4.5 | 6 | -1.14 |
| 23 | Mar-02 | 4.5 | 60 | -0.49 | 57 | Nov-18 | 4.5 | 2.5 | -1.18 |
| 24 | May-02 | 4.5 | 20 | -0.97 | 58 | May-19 | 4.5 | 2.5 | -1.18 |
| 25 | Mar-03 | 4.5 | 119 | 0.21 | 59 | Nov-19 | 4.5 | 6 | -1.14 |
| 26 | Jun-03 | 4.5 | 2.5 | -1.18 | 60 | Jun-20 | 4.5 | 2.5 | -1.18 |
| 27 | Oct-03 | 4.5 | 66 | -0.42 | 61 | Nov-20 | 4.5 | 2.5 | -1.18 |
| 28 | Feb-04 | 4.5 | 30 | -0.85 | 62 | Jun-21 | 4.5 | 2.5 | -1.18 |
| 29 | Jun-04 | 4.5 | 10 | -1.09 | 63 | Nov-21 | 4.5 | 2.5 | -1.18 |
| 30 | Nov-04 | 4.5 | 8 | -1.12 | 64 | Jun-22 | 4.5 | 2.5 | -1.18 |
| 31 | Jun-05 | 4.5 | 17 | -1.01 | 65 | Nov-22 | 4.5 | 2.5 | -1.18 |
| 32 | Dec-05 | 4.5 | 62 | -0.47 | 66 | Jun-23 | 4.5 | 2.5 | -1.18 |
| 33 | Jun-06 | 4.5 | 9 | -1.10 | 67 | Nov-23 | 4.5 | 2.5 | -1.18 |
| 34 | Nov-06 | 4.5 | 10 | -1.09 | 68 | Jun-24 | 4.5 | 2.5 | -1.18 |
| 35 | Jun-07 | 4.5 | 8 | -1.12 | 69 | Nov-24 | 4.5 | 2.5 | -1.18 |
| 36 | Nov-07 | 4.5 | 11 | -1.08 | 70 | Jun-25 | 4.5 | 2.5 | -1.18 |
| 37 | Jun-08 | 4.5 | 2.5 | -1.18 | | | | | |
| 38 | Nov-08 | 4.5 | 15 | -1.03 | | | | | |
| 39 | Jun-09 | 4.5 | 10 | -1.09 | | | | | |
| 40 | Nov-09 | 4.5 | 11 | -1.08 | | | | | |
| 41 | Jun-10 | 4.5 | 17 | -1.01 | | | | | |
| 42 | Nov-10 | 4.5 | 14 | -1.04 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

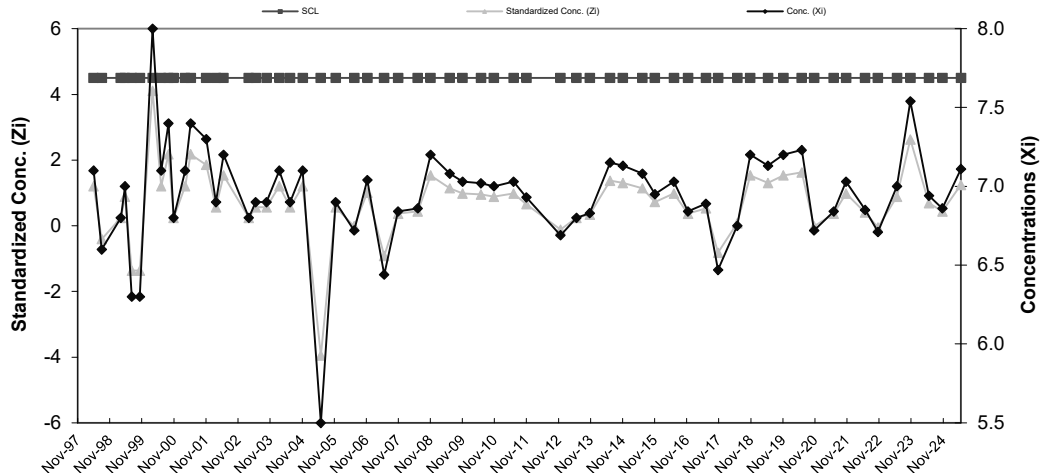


COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault F - pH

| Baseline Data | | | | |
|---------------|--------|-------|------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 6.8 | 6.73 | 0.31 |
| 2 | Aug-95 | 6.8 | | |
| 3 | Jun-96 | 6.8 | | |
| 4 | Aug-96 | 7.1 | | |
| 5 | Nov-96 | 7 | | |
| 6 | Aug-97 | 6.1 | | |
| 7 | Nov-97 | 6.7 | | |
| 8 | Feb-98 | 6.5 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 7.10 | 1.21 | 42 | Jun-11 | 4.5 | 7.03 | 0.98 |
| 10 | Aug-98 | 4.5 | 6.60 | -0.40 | 43 | Nov-11 | 4.5 | 6.93 | 0.66 |
| 11 | Mar-99 | 4.5 | 6.80 | 0.24 | 44 | Dec-12 | 4.5 | 6.69 | -0.11 |
| 12 | May-99 | 4.5 | 7.00 | 0.89 | 45 | Jun-13 | 4.5 | 6.80 | 0.24 |
| 13 | Jul-99 | 4.5 | 6.30 | -1.37 | 46 | Nov-13 | 4.5 | 6.83 | 0.34 |
| 14 | Oct-99 | 4.5 | 6.30 | -1.37 | 47 | Jun-14 | 4.5 | 7.15 | 1.37 |
| 15 | Mar-00 | 4.5 | 8.00 | 4.11 | 48 | Nov-14 | 4.5 | 7.13 | 1.30 |
| 16 | Jun-00 | 4.5 | 7.10 | 1.21 | 49 | Jun-15 | 4.5 | 7.08 | 1.14 |
| 17 | Sep-00 | 4.5 | 7.40 | 2.17 | 50 | Nov-15 | 4.5 | 6.95 | 0.72 |
| 18 | Nov-00 | 4.5 | 6.80 | 0.24 | 51 | Jun-16 | 4.5 | 7.03 | 0.98 |
| 19 | Mar-01 | 4.5 | 7.10 | 1.21 | 52 | Nov-16 | 4.5 | 6.84 | 0.37 |
| 20 | May-01 | 4.5 | 7.40 | 2.17 | 53 | Jun-17 | 4.5 | 6.89 | 0.53 |
| 21 | Nov-01 | 4.5 | 7.30 | 1.85 | 54 | Nov-17 | 4.5 | 6.47 | -0.82 |
| 22 | Mar-02 | 4.5 | 6.90 | 0.56 | 55 | Jun-18 | 4.5 | 6.75 | 0.08 |
| 23 | May-02 | 4.5 | 7.20 | 1.53 | 56 | Nov-18 | 4.5 | 7.20 | 1.53 |
| 24 | Mar-03 | 4.5 | 6.80 | 0.24 | 57 | May-19 | 4.5 | 7.13 | 1.30 |
| 25 | Jun-03 | 4.5 | 6.90 | 0.56 | 58 | Nov-19 | 4.5 | 7.20 | 1.53 |
| 26 | Oct-03 | 4.5 | 6.90 | 0.56 | 59 | Jun-20 | 4.5 | 7.23 | 1.63 |
| 27 | Feb-04 | 4.5 | 7.10 | 1.21 | 60 | Nov-20 | 4.5 | 6.72 | -0.02 |
| 28 | Jun-04 | 4.5 | 6.90 | 0.56 | 61 | Jun-21 | 4.5 | 6.84 | 0.37 |
| 29 | Nov-04 | 4.5 | 7.10 | 1.21 | 62 | Nov-21 | 4.5 | 7.03 | 0.98 |
| 30 | Jun-05 | 4.5 | 5.50 | -3.94 | 63 | Jun-22 | 4.5 | 6.85 | 0.40 |
| 31 | Dec-05 | 4.5 | 6.90 | 0.56 | 64 | Nov-22 | 4.5 | 6.71 | -0.05 |
| 32 | Jun-06 | 4.5 | 6.72 | -0.02 | 65 | Jun-23 | 4.5 | 7.00 | 0.89 |
| 33 | Nov-06 | 4.5 | 7.04 | 1.01 | 67 | Nov-23 | 4.5 | 7.54 | 2.62 |
| 34 | Jun-07 | 4.5 | 6.44 | -0.92 | 68 | Jun-24 | 4.5 | 6.94 | 0.69 |
| 35 | Nov-07 | 4.5 | 6.84 | 0.37 | 69 | Nov-24 | 4.5 | 6.86 | 0.43 |
| 36 | Jun-08 | 4.5 | 6.86 | 0.43 | 70 | Jun-25 | 4.5 | 7.11 | 1.24 |
| 37 | Nov-08 | 4.5 | 7.20 | 1.53 | | | | | |
| 38 | Jun-09 | 4.5 | 7.08 | 1.14 | | | | | |
| 39 | Nov-09 | 4.5 | 7.03 | 0.98 | | | | | |
| 40 | Jun-10 | 4.5 | 7.02 | 0.95 | | | | | |
| 41 | Nov-10 | 4.5 | 7.00 | 0.89 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean



**COLDWATER ROAD LANDFILL FACILITY
RCRA LANDFILL LEAK DETECTION SYSTEM
SHEWART CONTROL CHART
Vault F - SpC**

| Baseline Data | | | | |
|---------------|--------|-------|----------|----------|
| Ti | Date | Conc. | Mean | Std. Dev |
| 1 | Jun-95 | 1400 | 1,535.00 | 218.31 |
| 2 | Aug-95 | 1100 | | |
| 3 | Jun-96 | 1600 | | |
| 4 | Aug-96 | 1500 | | |
| 5 | Nov-96 | 1600 | | |
| 6 | Aug-97 | 1530 | | |
| 7 | Nov-97 | 1800 | | |
| 8 | Feb-98 | 1750 | | |

| Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9 | May-98 | 4.5 | 1400 | -0.62 | 41 | Jun-11 | 4.5 | 1642 | 0.49 |
| 10 | Mar-99 | 4.5 | 982 | -2.53 | 42 | Nov-11 | 4.5 | 1651 | 0.53 |
| 11 | May-99 | 4.5 | 1460 | -0.34 | 43 | Dec-12 | 4.5 | 1729 | 0.89 |
| 12 | Jul-99 | 4.5 | 1262 | -1.25 | 44 | Jun-13 | 4.5 | 1759 | 1.03 |
| 13 | Oct-99 | 4.5 | 1116 | -1.92 | 45 | Nov-13 | 4.5 | 1736 | 0.92 |
| 14 | Mar-00 | 4.5 | 1250 | -1.31 | 46 | Jun-14 | 4.5 | 1710 | 0.80 |
| 15 | Jun-00 | 4.5 | 1310 | -1.03 | 47 | Nov-14 | 4.5 | 1724 | 0.87 |
| 16 | Sep-00 | 4.5 | 1440 | -0.44 | 48 | Jun-15 | 4.5 | 1669 | 0.61 |
| 17 | Nov-00 | 4.5 | 1040 | -2.27 | 49 | Nov-15 | 4.5 | 1686 | 0.69 |
| 18 | Mar-01 | 4.5 | 1110 | -1.95 | 50 | Jun-16 | 4.5 | 1640 | 0.48 |
| 19 | May-01 | 4.5 | 1470 | -0.30 | 51 | Nov-16 | 4.5 | 1641 | 0.49 |
| 20 | Nov-01 | 4.5 | 1110 | -1.95 | 52 | Jun-17 | 4.5 | 1675 | 0.64 |
| 21 | Mar-02 | 4.5 | 1290 | -1.12 | 53 | Nov-17 | 4.5 | 1626 | 0.42 |
| 22 | May-02 | 4.5 | 1200 | -1.53 | 54 | Jun-18 | 4.5 | 1685 | 0.69 |
| 23 | Mar-03 | 4.5 | 1270 | -1.21 | 55 | Nov-18 | 4.5 | 1637 | 0.47 |
| 24 | Jun-03 | 4.5 | 1300 | -1.08 | 56 | May-19 | 4.5 | 1563 | 0.13 |
| 25 | Oct-03 | 4.5 | 1040 | -2.27 | 57 | Nov-19 | 4.5 | 1593 | 0.27 |
| 26 | Feb-04 | 4.5 | 1920 | 1.76 | 58 | Jun-20 | 4.5 | 1623 | 0.40 |
| 27 | Jun-04 | 4.5 | 1300 | -1.08 | 59 | Nov-20 | 4.5 | 1347 | -0.86 |
| 28 | Nov-04 | 4.5 | 1160 | -1.72 | 60 | Jun-21 | 4.5 | 1554 | 0.09 |
| 29 | Jun-05 | 4.5 | 1780 | 1.12 | 61 | Nov-21 | 4.5 | 1398 | -0.63 |
| 30 | Dec-05 | 4.5 | 1640 | 0.48 | 62 | Jun-22 | 4.5 | 1620 | 0.39 |
| 31 | Jun-06 | 4.5 | 1355 | -0.82 | 63 | Nov-22 | 4.5 | 1570 | 0.16 |
| 32 | Nov-06 | 4.5 | 1610 | 0.34 | 64 | Jun-23 | 4.5 | 1570 | 0.16 |
| 33 | Jun-07 | 4.5 | 1640 | 0.48 | 65 | Nov-23 | 4.5 | 1580 | 0.21 |
| 34 | Nov-07 | 4.5 | 1600 | 0.30 | 66 | Jun-24 | 4.5 | 1570 | 0.16 |
| 35 | Jun-08 | 4.5 | 1510 | -0.11 | 67 | Nov-24 | 4.5 | 1584 | 0.22 |
| 36 | Nov-08 | 4.5 | 1510 | -0.11 | 68 | Jun-25 | 4.5 | 1570 | 0.16 |
| 37 | Jun-09 | 4.5 | 1530 | -0.02 | | | | | |
| 38 | Nov-09 | 4.5 | 1550 | 0.07 | | | | | |
| 39 | Jun-10 | 4.5 | 1540 | 0.02 | | | | | |
| 40 | Nov-10 | 4.5 | 1590 | 0.25 | | | | | |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

