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July 31, 2026

Project/File: 227708677

Mr. Mike Smith - Senior Environmental Engineer
Iowa Department of Natural Resources, Solid Waste Section
Wallace State Office Building
502 East 9th St
Des Moines, IA 50319

Dear Mr. Smith,

Reference: Dickinson Sanitary Landfill (30-SDP-1-75P) 2026 Semi-Annual Monitoring Report

On behalf of Dickinson Landfill, Inc. and the Dickinson Sanitary Landfill (Landfill), this letter and its attachments are provided to the Iowa Department of Natural Resources (IDNR) to summarize the spring 2026 semi-annual monitoring event completed at the Landfill, located near Arnolds Park, Iowa (see **Figure 1**), on May 27, 2026. This report also includes supplemental 2026 background monitoring results for MW-41A collected through July 2026. Consistent with prior monitoring events, field services were provided by Minnesota Valley Testing Laboratories, Inc. (MVTL) of New Ulm, Minnesota and analytical services were provided by Pace Analytical National Laboratory (Pace National) of Mt. Juliet, Tennessee. Statistical analysis for the spring event was completed by Otter Creek Environmental Services, LLC (Otter Creek).

Included with this report are summary tables documenting the monitoring schedule, well network, and water quality data and figures which illustrate the location of the Landfill's wells and other site features. The analytical laboratory reports completed by Pace National, inclusive of MVTL's field notes, for the spring 2026 event are presented in **Attachment A**. Otter Creek's statistical analysis is included as **Attachment B**. The spring 2026 event also included collection of a leachate sample; the analytical laboratory report for the leachate sample is provided in **Attachment C**. The monitoring information collected during the spring 2026 event has also been incorporated into the Landfill Operating Record.

As documented in the 2025 Hydrologic Monitoring System Plan (2025 HMSP), monitoring well MW-41A was installed on September 24, 2025 to monitor groundwater quality downgradient of future Cell D. Background data collection at MW-41A was initiated in October 2025 and the eighth round of background monitoring for MW-41A was completed in July 2026. Results of the first three background monitoring events at MW-41A were provided to the IDNR in the Landfill's 2025 Annual Water Quality Report (AWQR). Background monitoring events for MW-41A were completed in January, March, April, May, and July 2026. The analytical laboratory reports for the five background monitoring events completed in 2026 are provided in **Attachment D**.

Landfill Monitoring System

A listing of the Landfill's approved monitoring points and their position relative to the landfilled waste is provided in **Table 1** and monitoring well construction information is summarized in **Table 2**. **Figures 2** and **3** illustrate the location of the 15 groundwater monitoring wells relative to the waste fill boundaries. The well locations provide for early detection of potential Landfill impacts to groundwater. As noted above, the Landfill's monitoring system was modified in September 2025 with the sealing of MW-36A and installation of MW-41A. No modifications to the Landfill's monitoring system are planned for 2026. Future modifications to the Landfill's monitoring network will only be completed with prior IDNR concurrence.

Monitoring Event Summary

For the spring 2026 event, all water quality samples collected by MVTL were received by Pace National in acceptable condition. Sample collection and analyses followed the established field and laboratory protocols outlined in the 2025 HMSP. Groundwater samples were collected from all of the required locations and analyzed for IDNR Appendix I detection monitoring parameters, as well as Appendix II assessment monitoring parameters for the five wells with assessment monitoring status (see **Table 1**). The monitoring schedule as identified in the Landfill permit and HMSP is provided in **Table 3**.

Each groundwater sample collected during the spring 2026 event was also sampled and analyzed for major ions. Major ion data is collected at the discretion of the Landfill for informational purposes and potential use in alternative source demonstrations examining natural groundwater quality variability versus potential changes associated with landfill operations.

Groundwater Elevations

Groundwater elevations for the spring 2026 event were generally lower compared to those measured during the spring 2025 event. However, all groundwater elevations recorded for the spring event were within each well's respective historic range, except for the newest well, MW-41A, where the groundwater elevation measured during the spring 2026 event was higher than those measured since the initiation of MW-41A monitoring in October 2025. Historical groundwater elevations are summarized in **Table 4**. Groundwater elevation data measured during the spring 2026 event is presented on the water table configuration map provided as **Figure 4**. Consistent with historical data, the groundwater elevation data for the spring event continues to indicate a south-to-southwesterly groundwater flow direction.

Monitoring Results

Analytical water quality results from the spring 2026 event remain generally consistent with previously collected data and are discussed in the following sections. Historical metals results, major ion results, and volatile organic compound (VOC) results are summarized on **Table 5**, **Table 6**, and **Table 7**, respectively.

Inorganic Groundwater Quality

Consistent with past results, inorganic parameters reported at concentrations above their respective water quality criteria (MCL and/or GWPS) during the spring 2026 event consisted of arsenic at MW-23A and MW-

37A, cobalt at MW-23A and MW-37A, and nickel at MW-37A. Reported concentrations of arsenic at MW-37A and cobalt at MW-37A and MW-23A remain within their respective historical ranges for each location. An increasing trend in nickel concentration is noted at MW-37A, however, the spring 2026 result is only slightly higher than the fall 2025 result. The arsenic result for MW-23A is slightly higher than historical concentrations observed for MW-23A. Metals can be naturally occurring in groundwater at varying levels depending on the hydro-geochemical environment and the redox state of the groundwater. Metals results can also potentially be affected by sediment in unfiltered and acid preserved groundwater samples. The presence of cobalt in the monitoring network is attributed to naturally occurring background water quality (as evidenced by its presence in upgradient wells at concentrations above the GWPS) and also attributed to changes in the redox state of the groundwater. Other metals parameters reported with results above water quality standards during the spring 2026 event are attributed to changes in the redox state of the groundwater. This interpretation is supported by detections in upgradient wells, historical concentration patterns, and redox-related geochemical conditions evaluated as part of the *2022 MW-37A Subsurface Investigation Report*, dated June 1, 2022.

In addition to comparing the reported results to published water quality criteria, inorganic results are also evaluated by Otter Creek's statistical report (see **Attachment B**). There were no new verified or unverified interwell statistical exceedances for the spring 2026 event. For the spring 2026 event, verified interwell prediction limit exceedances were identified for arsenic at MW-23A and MW-37A, nickel at MW-19A, MW-37A, and MW-38A, barium at MW-23A and MW-37A, and cobalt at MW-37A. The statistical exceedances reported for the spring 2026 event are consistent with previous analyses. Each of these wells are in the Assessment monitoring program, have completed at least six rounds of testing for the Appendix II assessment monitoring parameters, and there have been no detections of parameters specific to the Appendix II assessment monitoring parameter list for any of these wells to date.

Organic Groundwater Quality

Organic groundwater quality results from the spring 2026 event are consistent with historical results in that confirmed VOC detections are absent from a majority of the monitoring wells. In addition, the observed long-term decrease in VOC concentrations is consistent with the expected benefits of the ongoing landfill gas management corrective action. A historical summary of VOC detections at the Landfill is presented in **Table 7**. During the spring 2026 event, an unconfirmed detection of the VOC toluene was reported in monitoring well MW-39A.

No new confirmed VOC detections were reported during the spring 2026 event and, consistent with historical data, the only VOC detected above its respective water quality standard was vinyl chloride at MW-12A. The concentration of vinyl chloride detected in MW-12A during the spring 2026 event is one of the lowest concentrations detected historically in MW-12A and continues an overall decreasing trend in vinyl chloride concentrations for MW-12A. As noted above, an unconfirmed detection of toluene was reported at a concentration of 1.34 µg/L in monitoring well MW-39A during the spring 2026. The reported concentration is well below the MCL of 1,000 µg/L for toluene. Results from the spring 2026 event identified VOC detections at locations consistent with historical, and at concentrations towards the low end of historical ranges for respective parameters and locations.

Assessment Monitoring

Wells with “Assessment” status are those that have had confirmed statistical control limit exceedances, water quality exceedances, or VOC detections attributable to the Landfill. Five wells are currently in Assessment status. These wells include MW-12A, MW-19A, MW-23A, MW-37A and MW-38A. Each of these wells has been subjected to at least six rounds of testing for the complete list of Appendix II assessment monitoring parameters following the spring 2026 event. Appendix II assessment monitoring parameters are those listed in the IDNR rules chapter 567-113.15 and include 151 additional parameters beyond those included in the Appendix I detection monitoring parameters list. The additional parameters include semi-volatile organics, herbicides, pesticides, polychlorinated biphenyls (PCBs), cyanide, mercury, sulfide and tin. These parameters have not been confirmed to be present at the Landfill based on the Assessment monitoring results to date. In accordance with the Landfill permit and 2025 HMSP, Assessment monitoring is conducted once per five years.

Historical Assessment monitoring results are summarized in **Table 8**. Assessment results from the spring 2026 event did not identify any detections of parameters specific to the Appendix II assessment monitoring parameter list. The next routine Assessment monitoring event for those wells with Assessment status is scheduled for 2031.

MW-41A Background Monitoring

Background monitoring for recently installed monitoring well MW-41A was completed in January, March, April, May (concurrent with the spring 2026 event), and July 2026. The July event represents the eighth set of background data required for the Landfill’s statistical program.

Inorganic results for the background samples collected from MW-41A continue to identify results that are indicative of naturally occurring water quality conditions at the Landfill. During the April, May, and July 2026 background events cobalt was reported at concentrations above its GWPS of 0.0021 mg/L. As noted in previous correspondences, the presence of cobalt at the Landfill is attributed to naturally occurring background groundwater quality, as evidenced by the presence of cobalt in upgradient monitoring wells at concentrations above the GWPS.

There were no confirmed VOCs detections reported in the eight rounds of background monitoring conducted for MW-41A. An anomalous unconfirmed toluene result was reported for the May 2026 background monitoring event. The reported toluene result of 1.49 µg/L was well below the MCL for toluene. The May 2026 toluene result is anomalous in the fact that there have been no toluene detections for any of the monitoring wells at the site in over a decade. It is also noted that toluene is not a common constituent in the leachate at the Landfill and has not been detected in leachate for over five years. There were no VOCs detected in the sample collected from MW-41A during the July 2026 background monitoring event, thus, the anomalous toluene result reported for the May 2026 event was not confirmed.

Analytical results for the background samples collected from MW-41A are summarized alongside metals and VOC results for other wells in the Landfill’s monitoring system (see **Tables 5** and **7**). As noted above, the laboratory analytical reports for the January, March, April, May, and July 2026 background monitoring events are included with this letter (see **Attachment D**). Now that the eight sets of background data

required for the statistical program have been obtained, monitoring well MW-41A will be sampled in accordance with the semi-annual detection monitoring schedule (see **Table 3**) and the semi-annual results will be evaluated in accordance with the Landfill's statistical program.

Groundwater Holding Pond

After the spring 2026 monitoring event had been completed the Groundwater Holding Pond was decommissioned and a culvert was installed such that any groundwater from the groundwater underdrains that is discharged to the former Groundwater Holding Pond now flows directly from the former Groundwater Holding Pond to the main sedimentation pond where it commingles with other site stormwater. Because the aforementioned culvert had yet to be installed, the Groundwater Holding Pond was sampled for the IDNR National Pollutant Discharge Elimination System (NPDES) General Permit #1 (GP1) Land Disposal Units/Incinerators parameter list (NPDES parameters) during the spring 2026 event.

Groundwater Holding Pond monitoring results from 2012 through spring 2026 are compared to NPDES Uncontaminated Groundwater Criteria on the attached **Table 9**. There were no parameters detected above their respective IDNR NPDES Uncontaminated Groundwater Criteria in the spring 2026 Groundwater Holding Pond sample. As noted above, the Groundwater Holding Pond has been decommissioned since the spring 2026 event. Groundwater from the groundwater underdrains now commingles with site stormwater in the main sedimentation pond and is monitored in accordance with the IDNR NPDES GP1 and the Landfill's Stormwater Pollution Prevention Plan (SWPPP).

Leachate Sampling

A leachate sample was collected on May 27, 2026 for testing of wastewater treatment plant agreement parameters, Appendix I parameters, and major ions. The leachate laboratory report is provided as **Attachment C**.

Conclusions and Recommendations

- The spring 2026 event was completed in accordance with the approved 2025 HMSP monitoring schedule (see **Table 3**).
- The site setting, hydrogeologic conditions, and extensive monitoring program are protective of human health and the environment.
- There were no new water quality standard exceedances identified for the spring 2026 event.
- No new confirmed VOCs were detected during the spring 2026 event. The confirmed VOC detections that did occur were limited to three locations that are immediately adjacent to the waste boundary and have had the same parameters detected in the past. The lone VOC result above its respective water quality standard was towards the low end of its historical range.
- Overall, the VOC results continue to indicate gradual long-term reduction in concentrations as a result of the corrective action currently in place (i.e., landfill gas management). This corrective action has been proven to be effective and will continue to be optimized.
- The statistical report for the spring 2026 event identified verified interwell prediction limit exceedances for parameters and locations that are consistent with those previously observed.

Reference: Dickinson Sanitary Landfill (30-SDP-1-75P) 2026 Semi-Annual Monitoring Report

- For the wells in Assessment status, Assessment monitoring was conducted as part of the spring 2026 and no parameters specific to the Appendix II assessment monitoring parameter list were detected as has been the case historically.
- For the sample collected from the Groundwater Holding Pond, there were no results above GP1 Uncontaminated Groundwater Criteria. As noted above, the Groundwater Holding Pond was decommissioned following the spring 2026 event.
- Groundwater monitoring in 2026 should continue in accordance with the approved monitoring schedule provided on **Table 3**.
- The eighth background monitoring event for MW-41A was completed in July 2026, and the associated analytical results have been incorporated into this report. MW-41A will be sampled as part of the semi-annual detection monitoring schedule moving forward.
- Annual plots of redox potential, water level, and arsenic results for MW-37A will continue to be included with annual water quality reports.
- Monthly gas monitoring readings for temporary gas probes GP-1T and GP-2T for 2026 will be provided with the 2026 annual report.

If you have any questions regarding the monitoring program, please contact Erin Bulson at (414) 916-3789, or Cory Anderson, at your convenience. Thank you.

Regards,

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c. Erin Bulson; John Reynolds; Tyler Field; Michaela Tiefengraber; Andrew McCain; George Fletcher – Waste Management

Tables

Table 1 - Hydrologic Monitoring System Well Status [(1)]

Dickinson Landfill - Spirit Lake, Iowa
Permit No. 30-SDP-01-75P

Location	Position	Well Status / Use	Assessment Events	Next Full Appendix II List
MW-10 (sealed)	~~upgradient~~ (sealed)	sealed Aug 2009	na	na
MW-11 (sealed)	~~upgradient~~ (sealed)	sealed Aug 2009	na	na
MW-11A	upgradient	Detection	na	na
MW-12A *	upgradient	Assessment	7 events, 2009-2026	2031
MW-13A	upgradient	Detection	na	na
MW-14A	up/sidegradient	WL	na	na
MW-15A	sidegradient	WL	na	na
MW-17A	side/downgradient	WL	na	na
MW-18A (sealed)	~~downgradient~~ (sealed)	sealed Apr 2018	na	na
MW-19A *	downgradient	Assessment	7 events, 2009-2026	2031
MW-21A	downgradient	Detection	na	na
MW-22 (sealed)	~~sidegradient~~ (sealed)	sealed Sept 2014	2 events, 2011	na
MW-23 (sealed)	~~up/sidegradient~~ (sealed)	sealed Aug 2009	na	na
MW-23A *	up/sidegradient	Assessment	6 events, 2010-2026	2031
MW-29 (sealed)	~~sidegradient~~ (sealed)	sealed Sept 2014	2 events, 2011	na
MW-34A	up/sidegradient	Detection	na	na
MW-36A (sealed)	~~sidegradient~~ (sealed)	sealed Sept 2025	na	na
MW-37A *	downgradient	Assessment	6 events, 2010-2026	2031
MW-38A *	downgradient	Assessment	6 events, 2010-2026	2031
MW-39A	downgradient	Detection	na	na
MW-40A	sidegradient	Detection	na	na
MW-41A [3]	downgradient	Detection [3]	na	na

Notes:

(1) - Hydrologic monitoring system in accordance with 2009 HMSP, IDNR approved modifications, and as modified for 2025 permit renewal application and associated 2025 HMSP

2 - Dec 2012 Groundwater Holding Pond sampled in place of GU-B/C, per IDNR letter Nov. 8, 2012

3 - Background monitoring completed in July 2026 after the required 8 background data sets. Well will be incorporated into routine semi-annual Detection monitoring schedule and statistical program fall 2026.

WL - Well location available for water elevation monitoring, not part of routine monitoring program

*= Assessment well, sampled for full Appendix II parameter list per five year schedule (next event 2031). Wells sampled per semi-annual detection schedule during interim

na= not applicable

Table 2 - Monitoring Well Construction Summary

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Well ID	Dates		Well Construction Information								Elevations		
	Installed	*Sealed*	*Depth (Ft. From TOC)*	*Material & Size (In.)*	*Screen Length (Ft.)*	*Slot Size (In.)*	*Filter Pack*	*Filter Pack Interval (Ft. MSL)*	*Seal Material*	*Seal Interval (Ft. MSL)*	*Ground (Ft. MSL)*	*TOC (Ft. MSL)*	*Screened Interval (Ft. MSL)*
MW-10	4/12/91	Sep. '09	64.13	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,535.6	1,537.26	1,471.00-1,481.00
MW-11	4/12/91	Sep. '09	26.84	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,535.4	1,537.31	1,510.00-1,520.00
MW-11A	8/31/99	--	31.00	PVC, 2	15.0	0.007	Redflint	1,501.39-1,521.39	Bentonite Chips	1,521.39-1,523.39	1,529.7	1,532.39	1,516.7-1,501.7
MW-12	4/12/91	Sep. '98	25.98	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,536.00	1,537.45	1,511.00-1,521.00
MW-12A	9/14/98	--	33.82	PVC, 2	15.0	0.007	Silica Sand	1,502.70-1,519.20	Bentonite Chips	1,519.20-1,522.00	1,534.70	1,536.52	1,502.7-1,517.7
MW-13	4/12/91	Sep. '98	25.72	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,508.00	1,509.91	1,484.00-1,494.00
MW-13A	9/15/98	--	34.06	PVC, 2	15.0	0.007	Silica Sand	1,475.80-1,492.30	Bentonite Chips	1,492.30-1,495.30	1,507.80	1,509.86	1,475.8-1,490.8
MW-14	4/12/91	Sep. '98	21.92	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,481.00	1,483.18	1,461.00-1,471.00
MW-14A	4/9/96	--	22.45	PVC, 2	15.5	0.010	Redflint to 1478.0, Silica Sand to 1478.5	1,461.53-1,478.50	Bentonite Chips	1,478.50-1,479.03	1,482.03	1,483.98	1,461.53-1,477.03
MW-15	4/12/91	Sep. '98	40.19	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,472.00	1,474.16	1,434.00-1,444.00
MW-15A	4/11/96	--	26.67	PVC, 2	20.0	0.010	Redflint to 1470.4, Silica Sand to 1470.9	1,449.36-1,470.90	Bentonite Chips	1,470.90-1,471.36	1,474.36	1,476.03	1,449.36-1,469.36
MW-16	4/12/91	Sep. '98	21.92	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,472.00	1,474.10	1,452.00-1,462.00
MW-17	4/12/91	Sep. '98	35.22	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,484.00	1,475.88	1,451.00-1,461.00
MW-17A	4/10/96	--	22.33	PVC, 2	15.0	0.010	Redflint to 1467.3, Silica Sand to 1467.8	1,451.27-1,467.80	Bentonite Chips	1,467.80-1,468.27	1,471.27	1,473.61	1,451.27-1,466.27
MW-18	4/12/91	Sep. '98	21.73	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,465.00	1,466.78	1,445.00-1,455.00
MW-18A	4/9/96	Apr. '18	22.59	PVC, 2	15.5	0.010	Redflint to 1462.9, Silica Sand to 1463.4	1,446.37-1,463.40	Bentonite Chips	1,463.40-1,463.87	1,466.87	1,468.96	1,446.37-1,461.87
MW-19	4/12/91	Sep. '98	55.49	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,467.00	1,469.65	1,412.00-1,422.00
MW-19A	4/11/96	--	22.16	PVC, 2	15.0	0.010	Redflint to 1463.5, Silica Sand to 1463.96	1,447.46-1,463.96	Bentonite Chips	1,463.96-1,464.46	1,467.46	1,469.58	1,447.46-1,462.46
MW-20	4/12/91	Sep. '98	21.51	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,468.00	1,470.20	1,448.00-1,458.00
MW-21	4/12/91	Sep. '98	36.77	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,500.00	--	1,465.00-1,475.00
MW-21A	4/11/96	--	49.39	PVC, 2	25.0	0.010	Redflint to 1478.5, Silica Sand to 1479.5	1,450.49-1,479.50	Bentonite Chips to 1481.5, Volclay Bentonite to 1494.5	1,479.50-1,494.50	1,497.49	1,499.88	1,450.49-1,475.49
MW-22	4/12/91	Apr. '14	19.25	PVC, 2	5.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,488.70	1,490.63	1,471.00-1,476.00
MW-23	4/12/91	Sep. '09	24.90	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,506.80	1,508.81	1,484.00-1,494.00
MW-23A	8/31/99	--	25.00	PVC, 2	15.0	0.007	Redflint	1,476.80-1,493.80	Bentonite Chips	1,493.80-1,495.80	1,498.84	1,501.73	1,476.80-1,491.80
MW-24	4/12/91	--	27.91	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,491.00	1,493.67	1,467.00-1,477.00
MW-25	6/2/92	--	51.67	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,504.00	1,506.27	1,455.00-1,465.00
MW-26	6/2/92	--	22.69	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,504.00	1,506.20	1,484.00-1,494.00
MW-27	6/2/92	--	47.91	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,491.00	1,492.88	1,445.00-1,455.00
MW-28	6/2/92	--	64.86	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,502.00	1,501.90	1,439.00-1,449.00
MW-29	6/2/92	Sep. '14	55.24	PVC, 2	10.0	0.010	Muscatine Sand	--	Bentonite Chips	--	1,489.00	1,491.03	1,436.00-1,446.00
MW-30A	4/10/96	Apr. '00	27.34	PVC, 2	20.0	0.010	Redflint to 1488.4, Silica Sand to 1488.9	1,467.38-1,488.90	Bentonite Chips	1,488.90-1,489.38	1,492.38	1,494.72	1,467.38-1,487.38
MW-32A	4/10/96	Apr. '00	27.38	PVC, 2	20.0	0.010	Redflint to 1475.1, Silica Sand to 1475.6	1,453.10-1,475.60	Bentonite Chips	1,475.60-1,476.10	1,478.10	1,480.48	1,453.10-1,473.10
MW-34A	9/12/00	--	29.06	PVC, 2	20.0	0.006	40/30 Unimin	--	Bentonite/Neat Cement	--	1,485.00	1,486.93	1,458.0-1,478.0
MW-36A	9/11/00	Sept. '25	29.13	PVC, 2	20.0	0.006	40/30 Unimin	--	Bentonite/Neat Cement	--	1,478.10	1,480.12	1,451.1-1,471.1
MW-37A	8/25/09	--	36.50	PVC, 2	15.0	0.010	20/40 Unimin	--	Bentonite/Neat Cement	--	1,484.30	1,486.35	1,449.8-1,464.8
MW-38A	8/25/09	--	31.00	PVC, 2	15.0	0.010	20/40 Unimin	--	Bentonite/Neat Cement	--	1,480.20	1,482.26	1,451.2-1,466.2
MW-39A	5/22/12	--	22.00	PVC, 2	15.0	0.010	20/40 Unimin	--	Bentonite/Neat Cement	--	1,476.40	1,478.60	1,454.4-1,469.4
MW-40A	9/18/14	--	32.30	PVC, 2	15.0	0.010	20/40 Silica Sand	--	Bentonite/Neat Cement	--	1,494.70	1,496.91	1,464.7-1,479.7
MW-41A	9/24/25	--	32.47	PVC, 2	15.0	0.010	20/40 Silica Sand	1,450.75-1,467.75	Bentonite Chips	1467.75 - 1,476.75	1,480.75	1,483.22	1,450.75-1,465.75

Notes:

TOC = Top of Casing

Ft. MSL = Feet relative to Mean Sea Level (MSL)

PVC = Polyvinyl Chloride

Table 3 - Monitoring Schedule
2025 HMSP (April 2026 Permit Reissuance)
Dickinson Landfill - Spirit Lake, Iowa
Permit No. 30-SDP-01-75P

Well/Monitoring Location ID		5/27/2026	Fall
MW-11A		Appendix I & *major ions**	Appendix I
MW-12A**		Appendix II & *major ions**	Appendix I
MW-13A		Appendix I & *major ions**	Appendix I
MW-14A		WL	WL
MW-15A		WL	WL
MW-17A		WL	WL
MW-19A**		Appendix II & *major ions**	Appendix I
MW-21A		Appendix I & *major ions**	Appendix I
MW-23A**		Appendix II & *major ions**	Appendix I
MW-34A		Appendix I & *major ions**	Appendix I
MW-37A**		Appendix II & *major ions**	Appendix I
MW-38A**		Appendix II & *major ions**	Appendix I
MW-39A		Appendix I & *major ions**	Appendix I
MW-40A		Appendix I & *major ions**	Appendix I
MW-41A(4)		Appendix I & *major ions**(4)	Appendix I(4)
Groundwater Holding Pond ~~(2)~~(3)		NPDES	--
Leachate (1)		Appendix I, *major ions*, & WWTP facility Parameters*	--
Outfall 1 (per SWPPP)		NPDES (upon request)	

EXPLANATION:

Appendix I (**Detection** monitoring parameters per Appendix I list from IDNR rules): Total metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt copper, lead, nickel, selenium, silver, thallium, vanadium, zinc, VOCs, TSS, & field parameters WL, pH, conductance, temp, and turbidity.

Appendix II (Assessment parameters per the Appendix II list from IDNR rules): parameters include all Appendix I parameters plus pesticides, herbicides, PCBs, Semi-volatiles, and inorganics; cyanide, mercury, sulfide and tin.

* **Major ions** = monitoring for *major ions (calcium, magnesium, sodium, potassium, alkalinity, chloride & sulfate)* at Landfill initiative & use for alternative source demonstrations

** Well sampled and analyzed for Appendix II [Assessent] parameters in 2026 in accordance with once per 5 year schedule. Next Assessment event scheduled for 2031 in accordance with once per 5 year schedule.

Leachate = parameters include Appendix I [Detection], major ions & **additional WWTP analytes** (Ammonia N, Iron, Mercury, Phenol, COD, CBOD5 and TKN)

NPDES = oil&grease, Alk., cyanide, ammonia, Nitrate+Nitrite, COD, pH, chloride, sulfate, TOC, TDS, Mg (dissolved), Mg (total), total metals As, Ba, Cd, Ca, Cr, Fe, Pb, K, Ag, Na, Se, Hg

(1) - Leachate sample from manhole entry into new (2011) leachate pond or direct from new pond (4/24/12)

~~**(2)** - Groundwater Holding Pond to be sampled in place of GU-B/C underdrains per IDNR letter November 8, 2012~~

(3) - Removed from Solid Waste Permit with April 2026 Permit reissuance

(4) - New downgradient Detection monitoring well currently in Background monitoring mode until the 8 background data sets required for statistical program are complete (anticipated July 2026). Well will then be incorporated into routine semi-annual Detection monitoring schedule and statistical program (anticipated fall 2026).

Table 4 - Groundwater Elevation Summary (2010-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Monitoring Well ID	Installation Date	Top of Casing	04/13/10	05/18/10	06/21/10	07/09/10	08/18/10	10/18/10	11/29/10	05/10/11	10/19/11	04/24/12
MW-10	4/12/1991	1,537.26	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11	4/12/1991	1,537.31	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11A	8/31/1999	1,532.39	1,517.75	NA	NA	NA	NA	1,515.35	1,513.87	1,517.78	1,513.53	1,508.96
MW-12	4/12/1991	1,537.45	NA	sealed	NA	1,521.05	NA	NA	sealed	sealed	sealed	sealed
MW-12A	9/1/1998	1,536.52	1,523.10	NA	NA	NA	NA	1,518.96	1,518.93	1,520.28	1,516.26	1,515.36
MW-13	4/12/1991	1,509.91	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-13A	9/1/1998	1,509.86	1,492.26	NA	NA	NA	NA	1,492.07	1,492.17	1,493.32	1,489.05	1,491.63
MW-14	4/12/1991	1,483.18	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-14A	4/9/1996	1,483.98	NA	NA	NA	NA	NA	NA	1,476.54	1,476.36	1,474.07	1,476.97
MW-15	4/12/1991	1,474.16	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-15A	4/11/1996	1,476.03	NA	NA	NA	NA	NA	NA	1,467.79	1,467.44	1,464.55	1,468.63
MW-16	4/12/1991	1,474.10	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17	4/12/1991	1,475.88	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17A	4/10/1996	1,473.61	NA	NA	NA	NA	NA	NA	1,464.57	1,466.12	1,460.59	1,466.63
MW-18	4/12/1991	1,466.78	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-18A	4/9/1996	1,468.96	NA	NA	NA	NA	NA	NA	1,462.34	1,462.73	1,460.44	1,462.04
MW-19	4/12/1991	1,469.65	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-19A	4/11/1996	1,469.58	1,467.52	NA	NA	1,465.76	NA	1,465.11	1,466.11	1,466.09	1,464.57	1,465.42
MW-20	4/12/1991	1,470.20	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-21A	4/11/1996	1,499.88	1,481.79	NA	NA	NA	NA	1,478.95	1,477.96	1,477.11	1,476.49	1,472.98
MW-22	4/12/1991	1,490.63	1,486.92	1,484.41	1,483.08	NA	1,483.79	1,482.20	1,481.60	1,484.25	1,481.00	1,480.53
MW-23	4/12/1991	1,508.81	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-23A	8/31/1999	1,501.73	1,495.51	1,493.02	1,490.81	1,491.71	1,491.44	1,490.00	1,489.25	1,492.37	1,487.85	1,487.97
MW-29	6/2/1992	1,491.03	1,474.30	1,474.95	1,474.68	NA	1,475.52	1,474.35	1,483.82	1,473.93	1,473.38	1,471.40
MW-30A	4/10/1996	1,494.72	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-32A	4/10/1996	1,480.48	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-34A	9/12/2000	1,486.93	1,466.03	1,466.42	1,466.93	NA	1,467.72	1,467.12	1,466.43	1,466.44	1,466.99	1,465.91
MW-36A	9/11/2000	1,480.12	1,459.01	1,459.87	1,461.44	NA	1,460.16	1,459.48	1,458.80	1,458.93	1,457.92	1,459.51
MW-37A	8/25/2009	1,486.35	1,468.77	1,468.24	1,467.40	1,467.60	1,466.67	1,466.54	1,466.69	1,467.51	1,465.50	1,465.90
MW-38A	8/25/2009	1,482.26	1,469.74	1,469.32	1,467.55	1,467.41	1,467.07	1,465.51	1,467.75	1,467.51	1,464.97	1,466.67
MW-39A	5/22/2012	1,478.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-40A	9/18/2014	1,496.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-41A	9/24/2025	1,483.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = not available; not measured

NR = not recorded or field sheet inadvertently misplaced

Sealed = well abandoned (sealed)

* = water level below bladder pump

[1] = GW elevation data collected Jan. 13, '22

Table 4 - Groundwater Elevation Summary (2010-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Monitoring Well ID	Installation Date	Top of Casing	10/25/12	05/07/13	11/11/13	05/13/14	11/12/14	05/27/15	11/18/15	06/16/16	11/16/16	05/30/17
MW-10	4/12/1991	1,537.26	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11	4/12/1991	1,537.31	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11A	8/31/1999	1,532.39	1,506.18	1,503.74	1,504.83	1,507.67	1,502.65	1,502.83	1,503.69	1,519.83	1,514.85	1,518.53
MW-12	4/12/1991	1,537.45	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-12A	9/1/1998	1,536.52	1,514.19	1,520.60	1,514.37	1,512.52	1,515.14	1,517.03	1,522.42	1,521.15	1,519.48	1,521.21
MW-13	4/12/1991	1,509.91	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-13A	9/1/1998	1,509.86	1,485.18	1,496.95	1,486.14	1,490.06	1,488.50	1,492.10	1,496.67	1,494.94	1,491.88	1,493.26
MW-14	4/12/1991	1,483.18	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-14A	4/9/1996	1,483.98	1,472.14	NA	1,472.34	1,477.16	1,474.76	1,477.96	1,479.08	1,477.78	1,477.22	1,477.25
MW-15	4/12/1991	1,474.16	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-15A	4/11/1996	1,476.03	1,462.29	NA	1,463.60	1,466.73	1,465.71	1,468.51	1,471.31	1,469.24	1,468.02	1,468.14
MW-16	4/12/1991	1,474.10	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17	4/12/1991	1,475.88	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17A	4/10/1996	1,473.61	1,459.08	NA	1,458.32	1,465.77	1,462.77	1,465.72	1,469.88	1,467.02	1,464.90	1,466.75
MW-18	4/12/1991	1,466.78	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-18A	4/9/1996	1,468.96	1,460.23	NA	1,459.98	1,461.82	1,459.48	1,461.75	1,463.83	1,462.56	1,462.24	1,462.66
MW-19	4/12/1991	1,469.65	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-19A	4/11/1996	1,469.58	1,465.03	1,466.33	1,464.76	1,464.65	1,463.06	1,462.94	1,466.16	1,464.67	1,465.21	1,465.35
MW-20	4/12/1991	1,470.20	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-21A	4/11/1996	1,499.88	1,472.38	1,470.83	1,472.85	1,470.45	1,471.90	1,470.46	1,472.00	1,481.77	1,478.86	1,480.72
MW-22	4/12/1991	1,490.63	1,476.50	1,485.87	1,478.20	1,479.06	sealed	sealed	sealed	sealed	sealed	sealed
MW-23	4/12/1991	1,508.81	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-23A	8/31/1999	1,501.73	1,486.40	1,489.00	1,487.14	1,487.30	1,488.25	1,488.01	1,487.22	1,488.97	1,488.40	1,489.83
MW-29	6/2/1992	1,491.03	1,469.61	1,468.92	1,468.74	1,467.89	sealed	sealed	sealed	sealed	sealed	sealed
MW-30A	4/10/1996	1,494.72	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-32A	4/10/1996	1,480.48	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-34A	9/12/2000	1,486.93	1,464.74	1,464.33	1,462.22	1,464.70	1,465.14	1,465.70	1,466.17	1,476.12	1,467.82	1,476.71
MW-36A	9/11/2000	1,480.12	1,456.87	1,460.24	1,456.89	1,460.40	1,459.04	1,461.06	1,463.58	1,462.27	1,459.41	1,460.25
MW-37A	8/25/2009	1,486.35	1,463.25	1,466.82	1,463.09	1,463.61	1,462.76	1,464.18	1,466.85	1,468.54	1,466.86	1,468.62
MW-38A	8/25/2009	1,482.26	1,466.13	1,469.34	1,465.94	1,464.77	1,463.34	1,464.08	1,463.63	1,467.00	1,468.32	1,468.31
MW-39A	5/22/2012	1,478.60	1,458.65	1,462.59	1,461.09	1,461.31	1,460.82	1,462.28	1,462.92	1,468.42	1,465.39	1,467.27
MW-40A	9/18/2014	1,496.91	NA	NA	NA	NA	1,475.74	1,474.04	1,476.29	1,483.01	1,480.61	1,484.01
MW-41A	9/24/2025	1,483.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = not available; not measured

NR = not recorded or field sheet inadvertently misplaced

Sealed = well abandoned (sealed)

* = water level below bladder pump

[1] = GW elevation data collected Jan. 13, '22

Table 4 - Groundwater Elevation Summary (2010-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Monitoring Well ID	Installation Date	Top of Casing	11/21/17	05/31/18	10/31/18	05/28/19	10/15/19	06/03/20	10/07/20	05/03/21	11/09/21	05/17/22
MW-10	4/12/1991	1,537.26	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11	4/12/1991	1,537.31	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11A	8/31/1999	1,532.39	1,514.81	1,519.61	1,518.87	1,523.60	1,517.70	1,519.04	1,520.90	1,508.91	1,509.39	1,509.15
MW-12	4/12/1991	1,537.45	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-12A	9/1/1998	1,536.52	1,518.93	1,521.39	1,520.17	1,525.27	1,521.43	1,521.25	1,516.21	1,519.56	1,518.43	1,519.14
MW-13	4/12/1991	1,509.91	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-13A	9/1/1998	1,509.86	1,490.87	1,493.37	1,492.45	1,506.07	1,492.99	1,493.52	1,486.59	1,490.11	1,485.18	1,492.50
MW-14	4/12/1991	1,483.18	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-14A	4/9/1996	1,483.98	1,476.82	1,476.80	1,477.23	1,479.00	1,477.69	1,477.08	1,473.31	NR	1,477.57	1,477.18
MW-15	4/12/1991	1,474.16	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-15A	4/11/1996	1,476.03	1,467.36	1,467.63	1,467.84	1,470.54	1,468.32	1,467.93	1,463.81	NR	1,468.18	1,468.68
MW-16	4/12/1991	1,474.10	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17	4/12/1991	1,475.88	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17A	4/10/1996	1,473.61	1,464.49	1,466.91	1,464.50	1,469.57	1,467.12	1,467.43	1,459.05	NR	1,465.77	1,467.10
MW-18	4/12/1991	1,466.78	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-18A	4/9/1996	1,468.96	1,462.32	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-19	4/12/1991	1,469.65	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-19A	4/11/1996	1,469.58	1,465.48	1,465.28	1,464.65	1,465.79	1,465.01	1,464.81	1,464.49	1,463.70	1,462.22	1,464.67
MW-20	4/12/1991	1,470.20	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-21A	4/11/1996	1,499.88	1,488.24	1,482.60	1,482.08	1,481.92	1,479.14	1,480.83	1,475.55	1,473.18	1,473.38	1,474.30
MW-22	4/12/1991	1,490.63	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-23	4/12/1991	1,508.81	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-23A	8/31/1999	1,501.73	1,487.94	1,489.52	1,488.61	1,491.71	1,488.99	1,489.42	1,486.58	1,488.93	1,488.83	1,489.27
MW-29	6/2/1992	1,491.03	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-30A	4/10/1996	1,494.72	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-32A	4/10/1996	1,480.48	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-34A	9/12/2000	1,486.93	1,476.58	1,476.49	1,476.26	1,478.71	1,476.32	1,476.73	Inaccessible	1,463.19	[1] 1464.82	1,463.30
MW-36A	9/11/2000	1,480.12	1,460.13	1,460.10	1,459.94	Inaccessible	1,460.03	Inaccessible	Inaccessible	1,456.90	[1] 1459.46	1,457.00
MW-37A	8/25/2009	1,486.35	1,466.79	1,468.10	1,467.73	1,469.17	1,466.99	1,467.75	1,464.33	1,465.30	1,465.15	1,466.65
MW-38A	8/25/2009	1,482.26	1,467.82	1,467.44	1,464.76	1,467.46	1,466.26	1,466.13	1,464.92	1,465.94	1,465.74	1,467.31
MW-39A	5/22/2012	1,478.60	1,465.42	1,468.19	1,467.59	1,470.73	1,466.36	1,467.74	1,467.42	1,463.80	1,464.05	1,464.81
MW-40A	9/18/2014	1,496.91	1,480.01	1,483.71	1,481.81	1,488.05	1,481.52	1,481.97	1,481.55	1,481.10	1,478.98	1,481.44
MW-41A	9/24/2025	1,483.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = not available; not measured

NR = not recorded or field sheet inadvertently misplaced

Sealed = well abandoned (sealed)

* = water level below bladder pump

[1] = GW elevation data collected Jan. 13, '22

Table 4 - Groundwater Elevation Summary (2010-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Monitoring Well ID	Installation Date	Top of Casing	10/17/22	05/22/23	10/05/23	05/20/24	10/02/24	05/12/25	10/14/25	11/24/25	12/22/25	01/21/26
MW-10	4/12/1991	1,537.26	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11	4/12/1991	1,537.31	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-11A	8/31/1999	1,532.39	1,509.01	1,517.28	1,509.81	1,520.75	1,520.76	1,513.29	1,513.78	NA	NA	NA
MW-12	4/12/1991	1,537.45	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-12A	9/1/1998	1,536.52	1,515.98	1,521.99	1,516.97	1,521.92	1,518.06	1,519.99	1,518.08	NA	NA	NA
MW-13	4/12/1991	1,509.91	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-13A	9/1/1998	1,509.86	1,486.84	1,494.24	1,485.93	1,494.58	1,488.87	1,493.94	1,488.99	NA	NA	NA
MW-14	4/12/1991	1,483.18	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-14A	4/9/1996	1,483.98	1,473.64	1,477.90	1,472.81	1,477.49	1,474.47	1,476.35	1,475.13	NA	NA	NA
MW-15	4/12/1991	1,474.16	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-15A	4/11/1996	1,476.03	1,464.36	1,469.76	1,463.68	1,468.53	1,465.13	1,467.96	1,465.50	NA	NA	NA
MW-16	4/12/1991	1,474.10	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17	4/12/1991	1,475.88	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-17A	4/10/1996	1,473.61	1,460.12	1,467.72	1,459.79	1,467.50	1,461.83	1,465.63	1,462.24	NA	NA	NA
MW-18	4/12/1991	1,466.78	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-18A	4/9/1996	1,468.96	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-19	4/12/1991	1,469.65	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-19A	4/11/1996	1,469.58	1,462.39	1,464.94	1,462.36	1,463.77	1,461.78	1,465.45	1,463.82	NA	NA	NA
MW-20	4/12/1991	1,470.20	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-21A	4/11/1996	1,499.88	1,474.35	1,477.88	1,474.50	1,479.56	1,477.33	1,474.70	1,474.60	NA	NA	NA
MW-22	4/12/1991	1,490.63	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-23	4/12/1991	1,508.81	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-23A	8/31/1999	1,501.73	1,486.78	1,489.80	1,488.63	1,490.02	1,487.18	1,489.51	1,487.69	NA	NA	NA
MW-29	6/2/1992	1,491.03	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-30A	4/10/1996	1,494.72	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-32A	4/10/1996	1,480.48	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed	sealed
MW-34A	9/12/2000	1,486.93	1,462.86	1,464.03	*1459.84	1,459.99	Inaccessible	1,465.45	1,465.31	1,465.28	NA	NA
MW-36A	9/11/2000	1,480.12	1,456.17	1,457.41	*1452.60	1,453.22	1,452.72	1,459.68	sealed	sealed	sealed	sealed
MW-37A	8/25/2009	1,486.35	1,463.74	1,466.78	1,463.60	1,467.58	1,465.02	1,465.97	1,464.80	NA	NA	NA
MW-38A	8/25/2009	1,482.26	1,464.85	1,466.73	1,465.16	1,466.02	1,464.17	1,469.48	1,465.55	NA	NA	NA
MW-39A	5/22/2012	1,478.60	1,462.55	1,465.95	1,461.55	1,461.59	1,464.06	1,464.72	1,463.95	NA	NA	NA
MW-40A	9/18/2014	1,496.91	1,480.34	1,484.40	1,476.58	1,480.51	1,478.11	1,478.29	1,478.77	NA	NA	NA
MW-41A	9/24/2025	1,483.22	NA	NA	NA	NA	NA	NA	1,453.77	1,459.07	1,457.87	1,458.89

Notes:

NA = not available; not measured

NR = not recorded or field sheet inadvertently misplaced

Sealed = well abandoned (sealed)

* = water level below bladder pump

[1] = GW elevation data collected Jan. 13, '22

Table 4 - Groundwater Elevation Summary (2010-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Monitoring Well ID	Installation Date	Top of Casing	03/03/26	04/15/26	05/27/26	07/08/26
MW-10	4/12/1991	1,537.26	sealed	sealed	sealed	sealed
MW-11	4/12/1991	1,537.31	sealed	sealed	sealed	sealed
MW-11A	8/31/1999	1,532.39	NA	NA	1,508.07	NA
MW-12	4/12/1991	1,537.45	sealed	sealed	sealed	sealed
MW-12A	9/1/1998	1,536.52	NA	NA	1,521.76	NA
MW-13	4/12/1991	1,509.91	sealed	sealed	sealed	sealed
MW-13A	9/1/1998	1,509.86	NA	NA	1,493.27	NA
MW-14	4/12/1991	1,483.18	sealed	sealed	sealed	sealed
MW-14A	4/9/1996	1,483.98	NA	NA	1,477.90	NA
MW-15	4/12/1991	1,474.16	sealed	sealed	sealed	sealed
MW-15A	4/11/1996	1,476.03	NA	NA	1,469.00	NA
MW-16	4/12/1991	1,474.10	sealed	sealed	sealed	sealed
MW-17	4/12/1991	1,475.88	sealed	sealed	sealed	sealed
MW-17A	4/10/1996	1,473.61	NA	NA	1,465.66	NA
MW-18	4/12/1991	1,466.78	sealed	sealed	sealed	sealed
MW-18A	4/9/1996	1,468.96	sealed	sealed	sealed	sealed
MW-19	4/12/1991	1,469.65	sealed	sealed	sealed	sealed
MW-19A	4/11/1996	1,469.58	NA	NA	1,464.77	NA
MW-20	4/12/1991	1,470.20	sealed	sealed	sealed	sealed
MW-21A	4/11/1996	1,499.88	NA	NA	1,475.54	NA
MW-22	4/12/1991	1,490.63	sealed	sealed	sealed	sealed
MW-23	4/12/1991	1,508.81	sealed	sealed	sealed	sealed
MW-23A	8/31/1999	1,501.73	NA	NA	1,489.51	NA
MW-29	6/2/1992	1,491.03	sealed	sealed	sealed	sealed
MW-30A	4/10/1996	1,494.72	sealed	sealed	sealed	sealed
MW-32A	4/10/1996	1,480.48	sealed	sealed	sealed	sealed
MW-34A	9/12/2000	1,486.93	NA	NA	1,465.46	NA
MW-36A	9/11/2000	1,480.12	sealed	sealed	sealed	sealed
MW-37A	8/25/2009	1,486.35	NA	NA	1,466.30	NA
MW-38A	8/25/2009	1,482.26	NA	NA	1,466.43	NA
MW-39A	5/22/2012	1,478.60	NA	NA	1,465.63	NA
MW-40A	9/18/2014	1,496.91	NA	NA	1,478.73	NA
MW-41A	9/24/2025	1,483.22	1,459.45	1,462.31	1,463.68	1,461.10

Notes:

NA = not available; not measured

NR = not recorded or field sheet inadvertently misplaced

Sealed = well abandoned (sealed)

* = water level below bladder pump

[1] = GW elevation data collected Jan. 13, '22

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Antimony	µg/L	04/29/08	6	6	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Antimony	µg/L	05/22/08		(6)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Antimony	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Antimony	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Antimony	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Antimony	µg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Antimony	µg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Antimony	µg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Antimony	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	10/19/11			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Antimony	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Antimony	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT
Antimony	µg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Antimony	µg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Antimony	µg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Antimony	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Antimony	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Antimony	µg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Antimony	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Antimony	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Antimony	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Antimony	µg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Antimony	µg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Antimony	µg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Antimony	µg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Antimony	µg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Antimony	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Antimony	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Antimony	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Antimony	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Antimony	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Antimony	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Antimony	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Antimony	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Antimony	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Antimony	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Antimony	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Arsenic	mg/L	04/29/08	0.01	0.01	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	05/22/08		(0.01)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	0.0239	ND	ND	NT	NT	NT	NT	NT
Arsenic	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	0.0156	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Arsenic	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	0.0153	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	0.013	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	0.0277	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Arsenic	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	0.0224	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	0.023 (0.023)	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	0.017	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	0.056	ND	ND	ND	ND	NT	NT	NT
Arsenic	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Arsenic	mg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	0.02	ND	ND	ND	ND	ND	NT	NT
Arsenic	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	0.042	ND	ND	ND	ND	ND	NT	NT
Arsenic	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	0.037	0.018	ND	ND	ND	ND	ND	NT	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Arsenic	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	0.032	ND	ND	ND	ND	ND	NT	NT
Arsenic	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Arsenic	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Arsenic	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.012	ND	ND	ND	NT
Arsenic	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Arsenic	mg/L	11/18/15			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Arsenic	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Arsenic	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.016	ND	ND	ND	NT
Arsenic	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Arsenic	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.019	ND	ND	ND	NT
Arsenic	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.017	ND	ND	ND	NT
Arsenic	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.034	ND	ND	ND	NT
Arsenic	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.029	ND	ND	ND	NT
Arsenic	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.040	ND	ND	ND	NT
Arsenic	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	0.035	ND	ND	ND	NT
Arsenic	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.033	ND	ND	ND	NT
Arsenic	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	0.0446	ND	ND	ND	NT
Arsenic	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	0.0364	ND	ND	0.012	NT
Arsenic	mg/L	12/17/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Arsenic	mg/L	05/03/21	0.01	0.01	ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.0562	ND	ND	ND	NT
Arsenic	mg/L	5/3/21 (2)		(0.01)	NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	0.0456	NT	NT	NT	NT
Arsenic	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	0.0537	ND	ND	ND	NT
Arsenic	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Arsenic	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.0461	ND	ND	ND	NT
Arsenic	mg/L	7/28/22 (01)			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	7/28/22 (02)			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.0377	ND	ND	ND	NT
Arsenic	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.0358	ND	ND	ND	NT
Arsenic	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	0.0467	ND	ND	ND	NT
Arsenic	mg/L	11/27/23			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	0.0447	ND	ND	ND	NT
Arsenic	mg/L	07/18/24			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	0.0623	ND	ND	ND	NT
Arsenic	mg/L	11/12/24			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	0.0108	Sealed	ND	ND	0.0534	ND	ND	ND	NT
Arsenic	mg/L	07/09/25			NT	NT	NT	Sealed	NT	NT	Sealed	0.0148	Sealed	NT	NT	NT	NT	NT	NT	NT
Arsenic	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	0.0122	Sealed	Inaccessible	Sealed	0.0556	ND	ND	ND	ND
Arsenic	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Arsenic	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Arsenic	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Arsenic	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Arsenic	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Arsenic	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	0.042	Sealed	ND	Sealed	0.051	ND	ND	ND	ND
Arsenic	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Barium	mg/L	04/29/08	0.02	2	0.19	0.21	0.17	0.17	0.18	0.22	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	mg/L	05/22/08		(2)	0.19	0.21	0.16	0.12	0.15	0.21	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	mg/L	06/18/08			0.19	0.2	0.17	0.12	0.15	0.21	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	mg/L	08/13/08			0.19	0.2	0.17	0.12	0.14	0.23	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	mg/L	09/24/08			0.2	0.24	0.15	0.13	0.15	0.23	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	mg/L	04/27/09			0.183	0.23	0.183	NT	0.137	0.181	0.0415	0.125	0.270	0.0394	0.0415	NT	NT	NT	NT	NT
Barium	mg/L	10/26/09			0.192	0.234 (0.248)	0.195	NT	0.131 (0.135)	0.235	0.174	0.147	0.226	0.0406	0.0428	0.146	0.195	NT	NT	NT
Barium	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.146	0.215	NT	NT	NT
Barium	mg/L	12/17/09			0.195	0.187 (0.236)	0.205	NT	0.135 (0.133)	0.231	0.178	0.143	0.3	0.0392	0.0435	0.148	0.25	NT	NT	NT
Barium	mg/L	04/13/10			0.178	0.215	0.163	NT	0.129	0.190	0.243	0.123	0.230	0.0330	0.0380	0.108	0.185	NT	NT	NT
Barium	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	0.265	0.128	0.230	0.0346	0.0367	0.115	0.186	NT	NT	NT
Barium	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	0.27	0.146	0.283	0.0375	0.0394	0.128	0.192	NT	NT	NT
Barium	mg/L	07/09/10			NT	0.213	NT	NT	0.154	NT	NT	0.15	NT	NT	NT	0.126	0.185	NT	NT	NT
Barium	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	0.266	0.16	0.265	0.0354	0.0393	0.134	0.213	NT	NT	NT
Barium	mg/L	10/18/10			0.209	0.186	0.201	NT	0.144	0.213	0.256	0.166	0.264	0.0399	0.0442	0.165	0.224	NT	NT	NT
Barium	mg/L	05/10/11			0.2	0.22 (0.23)	0.23	NT	0.15 (0.15)	0.24	0.25 (0.27)	0.12 (0.020)	0.27 (0.28)	0.035	0.039	0.19 (0.19)	0.2 (0.2)	NT	NT	NT
Barium	mg/L	10/19/11			0.22	0.19	0.22	NT	0.17	0.26	0.27	0.19	0.23	0.05	0.042	0.24	0.2	NT	NT	NT
Barium	mg/L	04/24/12			0.2	0.22	0.22	NT	0.15	0.22	0.23	0.17	0.32	0.038	0.037	0.24	0.21	NT	NT	NT
Barium	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.29	NT	NT
Barium	mg/L	10/25/12*			0.37	0.23	0.19	NT	0.15	0.22	0.26	dry	0.24	0.036	0.043	0.29	0.22	0.49	NT	NT
Barium	mg/L	05/07/13			NT	0.19	0.27	NT	0.13	0.22	0.18	0.17	0.29	0.033	0.037	0.29	0.23	0.3	NT	NT
Barium	mg/L	11/11/13			0.2	0.24	0.18	NT	0.13	0.22	0.15	0.98	0.26	0.038	0.041	0.037	0.024	0.31	NT	NT
Barium	mg/L	05/13/14			ND	0.22	ND	ND	0.17	0.22	0.13	0.15	0.27	0.03	0.033	0.32	0.22	0.27	NT	NT
Barium	mg/L	11/12/14			0.22	0.25	0.27	NT	0.17	0.27	Sealed	0.18	Sealed	0.037	0.046	frozen	frozen	0.33	0.25	NT
Barium	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	0.24	NT
Barium	mg/L	05/27/15			NT	0.21	0.21	NT	0.12	0.19	Sealed	0.23	Sealed	0.031	0.036	0.35	0.21	0.29	0.19	NT
Barium	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	0.19	NT
Barium	mg/L	11/18/15			0.28	0.21	0.25	NT	0.1	0.24	Sealed	0.27	Sealed	0.031	0.04	0.4	0.2	0.31	0.25	NT
Barium	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	0.29	NT
Barium	mg/L	06/16/16			0.17	0.26	0.23	NT	0.17	0.24	Sealed	0.29	Sealed	0.037	0.024	0.32	0.2	0.25	0.029	NT
Barium	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	0.31	NT
Barium	mg/L	11/16/16			0.15	0.23	0.29	NT	0.22	0.25	Sealed	0.29	Sealed	0.039	0.031	0.37	0.22	0.34	0.29	NT
Barium	mg/L	05/30/17			0.18	0.26	0.3	NT	0.17	0.25	Sealed	0.32	Sealed	0.043	0.03	0.45	0.21	0.26	0.3	NT
Barium	mg/L	11/21/17			0.22	0.25	0.27	NT	0.16	0.3	Sealed	0.35	Sealed	0.31	0.32	0.54	0.23	0.32	0.34	NT
Barium	mg/L	05/31/18			0.2	0.25	0.25	Sealed	0.15	0.26	Sealed	0.66	Sealed	0.22	0.29	0.54	0.2	0.22	0.29	NT
Barium	mg/L	10/31/18			0.21	0.24	0.34	Sealed	0.16	0.27	Sealed	0.46	Sealed	0.15	0.30	0.64	0.21	0.28	0.3	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Barium	mg/L	05/28/19			0.24	0.29	0.32	Sealed	0.16	0.31	Sealed	1.3	Sealed	0.19	Inaccessible	0.65	0.24	0.2	0.29	NT
Barium	mg/L	10/15/19			0.27	0.24	0.31	Sealed	0.17	0.31	Sealed	0.62	Sealed	0.18	0.29	0.68	0.23	0.27	0.27	NT
Barium	mg/L	06/03/20			0.261	0.24	0.335	Sealed	0.153	0.286	Sealed	1.02	Sealed	0.196	Inaccessible	0.718	0.242	0.192	0.293	NT
Barium	mg/L	10/07/20			0.234	0.259	0.304	Sealed	0.146	0.294	Sealed	0.478	Sealed	Inaccessible	Inaccessible	0.756	0.255	0.267	0.305	NT
Barium	mg/L	05/03/21			0.212	0.266	0.344	Sealed	0.133	0.279	Sealed	1.17	Sealed	0.0357	0.303	0.805	0.231	0.286	0.236	NT
Barium	mg/L	11/09/21			0.259	0.278	0.365	Sealed	0.168	0.273	Sealed	1.3	Sealed	Inaccessible	Inaccessible	0.914	0.28	0.39	0.245	NT
Barium	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	0.0351	0.038	NT	NT	NT	NT	NT
Barium	mg/L	05/17/22			0.207	0.252	0.322	Sealed	0.136	0.247	Sealed	1.49	Sealed	0.235	0.182	0.802	0.243	0.251	0.22	NT
Barium	mg/L	10/17/22			0.236	0.288	0.389	Sealed	0.151	0.285	Sealed	1.08	Sealed	0.297	0.223	0.871	0.277	0.325	0.259	NT
Barium	mg/L	05/22/23**			0.239	0.299	0.444	Sealed	0.138	0.277	Sealed	2.54	Sealed	0.186	0.267	0.982	0.237	0.208	0.263	NT
Barium	mg/L	10/5/23***			0.245	0.277	0.401	Sealed	0.156	0.292	Sealed	1.23	Sealed	NT	NT	1.14	0.3	0.301	0.314	NT
Barium	mg/L	05/20/24			0.22	0.345	0.451	Sealed	0.15	0.269	Sealed	2.45	Sealed	NT	NT	1.16	0.26	0.167	0.251	NT
Barium	mg/L	07/18/24			NT	NT	NT	Sealed	NT	NT	Sealed	1.95	Sealed	NT	NT	NT	NT	NT	NT	NT
Barium	mg/L	10/02/24			0.237	0.283	0.42	Sealed	0.166	0.29	Sealed	1.64	Sealed	Inaccessible	NT	1.42	0.216	0.253	0.272	NT
Barium	mg/L	05/12/25			0.235	0.267	0.396	Sealed	0.208	0.296	Sealed	1.6	Sealed	0.0437	0.0426	1.32	0.216	0.275	0.221	NT
Barium	mg/L	10/14/25			0.227	0.283	0.413	Sealed	0.186	0.291	Sealed	1.07	Sealed	Inaccessible	Sealed	1.23	0.204	0.267	0.274	0.0912
Barium	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	0.0393	Sealed	NT	NT	NT	NT	0.101
Barium	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.0959
Barium	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.0886
Barium	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.0823
Barium	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.0855
Barium	mg/L	05/27/26			0.245	0.316	0.381	Sealed	0.161	0.301	Sealed	1.55	Sealed	0.0331	Sealed	1.28	0.229	0.232	0.224	0.105
Barium	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.101
Beryllium	mg/L	04/29/08	0.004	0.004	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Beryllium	mg/L	05/22/08		(0.004)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Beryllium	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Beryllium	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Beryllium	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Beryllium	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Beryllium	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Beryllium	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Beryllium	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Beryllium	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Beryllium	mg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT
Beryllium	mg/L	05/07/13	0.004	0.004	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Beryllium	mg/L	11/11/13		(0.004)	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Beryllium	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Beryllium	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Beryllium	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Beryllium	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Beryllium	mg/L	11/18/15			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Beryllium	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Beryllium	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Beryllium	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Beryllium	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Beryllium	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Beryllium	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Beryllium	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Beryllium	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Beryllium	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Beryllium	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Beryllium	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Beryllium	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Beryllium	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Beryllium	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Beryllium	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Beryllium	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Beryllium	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Beryllium	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cadmium	mg/L	04/29/08	0.005	0.005	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	mg/L	05/22/08		(0.005)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Cadmium	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Cadmium	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Cadmium	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cadmium	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Cadmium	mg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT
Cadmium	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Cadmium	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Cadmium	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Cadmium	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Cadmium	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cadmium	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cadmium	mg/L	11/18/15			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cadmium	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cadmium	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Cadmium	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Cadmium	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Cadmium	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Cadmium	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Cadmium	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Cadmium	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Cadmium	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Cadmium	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cadmium	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Cadmium	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Cadmium	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cadmium	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cadmium	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cadmium	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cadmium	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Cadmium	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Chromium	mg/L	04/29/08	0.01	0.1	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	mg/L	05/22/08		(0.1)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Chromium	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	11/23/09	0.01	0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Chromium	mg/L	12/17/09		(0.1)	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Chromium	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Chromium	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Chromium	mg/L	10/25/12*			0.023	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	0.022	NT	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Chromium	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Chromium	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	0.083	ND	ND	ND	0.012	ND	ND	NT	NT
Chromium	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Chromium	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Chromium	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	0.011	NT
Chromium	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Chromium	mg/L	11/18/15			0.013	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Chromium	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Chromium	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.0077	ND	ND	ND	NT
Chromium	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Chromium	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Chromium	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Chromium	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Chromium	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Chromium	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Chromium	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Chromium	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Chromium	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Chromium	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Chromium	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Chromium	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Chromium	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Chromium	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Chromium	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Chromium	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Chromium	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cobalt	mg/L	04/29/08	0.01	NE	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cobalt	mg/L	05/22/08		(0.007)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cobalt	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cobalt	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cobalt	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cobalt	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Cobalt	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Cobalt	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Cobalt	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	0.018	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	0.017	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cobalt	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Cobalt	mg/L	10/25/12*			0.011	ND	ND	NT	ND	ND	0.012	dry	ND	ND	ND	0.011	ND	ND	NT	NT
Cobalt	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Cobalt	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	0.034	ND	ND	ND	0.016	ND	ND	NT	NT
Cobalt	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	NT	NT
Cobalt	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Cobalt	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cobalt	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.011	ND	ND	ND	NT
Cobalt	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cobalt	mg/L	11/18/15			0.0063	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.0083	ND	ND	ND	NT
Cobalt	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cobalt	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.0078	ND	ND	ND	NT
Cobalt	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Cobalt	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Cobalt	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.0068	ND	ND	ND	NT
Cobalt	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.0069	ND	ND	ND	NT
Cobalt	mg/L	05/31/18	0.0021	(0.0021)	ND	ND	ND	Sealed	ND	ND	Sealed	0.013	Sealed	ND	ND	0.0073	ND	ND	ND	NT
Cobalt	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	0.0033	Sealed	ND	ND	0.0080	ND	ND	ND	NT
Cobalt	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	0.014	Sealed	ND	Inaccessible	0.0070	ND	ND	ND	NT
Cobalt	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	0.0062	Sealed	ND	ND	0.0079	ND	ND	ND	NT
Cobalt	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	0.00974	Sealed	ND	Inaccessible	0.00910	ND	ND	ND	NT
Cobalt	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	0.00312	Sealed	Inaccessible	Inaccessible	0.00966	ND	ND	ND	NT
Cobalt	mg/L	05/03/21	0.002	NE	ND	ND	0.00283	Sealed	ND	ND	Sealed	0.0147	Sealed	ND	ND	0.01060	ND	ND	ND	NT
Cobalt	mg/L	11/09/21		(0.0021)	ND	0.00204	ND	Sealed	ND	ND	Sealed	0.0102	Sealed	Inaccessible	Inaccessible	0.0125	ND	ND	ND	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Cobalt	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Cobalt	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	0.0144	Sealed	ND	ND	0.014	ND	ND	ND	NT
Cobalt	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	0.0038	Sealed	ND	ND	0.0132	ND	ND	ND	NT
Cobalt	mg/L	05/22/23**			ND	0.00236	0.00465	Sealed	ND	ND	Sealed	0.0149	Sealed	ND	ND	0.016	ND	ND	ND	NT
Cobalt	mg/L	10/5/23***			ND	0.00217	0.00237	Sealed	ND	ND	Sealed	0.00519	Sealed	NT	NT	0.0187	0.00247	ND	ND	NT
Cobalt	mg/L	11/27/23	0.01	(0.007)	NT	NT	NT	Sealed	NT	NT	Sealed	NT	NT	NT	NT	NT	ND	NT	NT	NT
Cobalt	mg/L	05/20/24		*NE*	ND	ND	0.00217	Sealed	ND	ND	Sealed	0.0135	Sealed	NT	NT	0.0184	0.00207	ND	ND	NT
Cobalt	mg/L	07/18/24	(0.0028)	(0.0028)	NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cobalt	mg/L	10/02/24			ND	0.0024	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	0.0239	ND	ND	ND	NT
Cobalt	mg/L	05/12/25			ND	0.0022	0.00237	Sealed	ND	ND	Sealed	0.0113	Sealed	0.00402	ND	0.023	ND	ND	ND	NT
Cobalt	mg/L	10/14/25			ND	0.00255	ND	Sealed	ND	ND	Sealed	0.00318	Sealed	Inaccessible	Sealed	0.0212	ND	ND	ND	ND
Cobalt	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Cobalt	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cobalt	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cobalt	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Cobalt	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.00246
Cobalt	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	0.00948	Sealed	ND	Sealed	0.0221	ND	ND	ND	0.00347
Cobalt	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.00505
Copper	mg/L	04/29/08	0.01	1.3	ND	ND	ND	ND	0.01	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	mg/L	05/22/08		(1.3)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Copper	mg/L	10/26/09			ND	ND(0.006)	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Copper	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	0.0161	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Copper	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Copper	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Copper	mg/L	10/25/12*			0.021	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	0.017	NT	NT
Copper	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	NT	NT
Copper	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	0.026	0.11	ND	ND	ND	0.13	ND	ND	NT	NT
Copper	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Copper	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Copper	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Copper	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Copper	mg/L	11/18/15			0.015	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Copper	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Copper	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Copper	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Copper	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Copper	mg/L	05/03/21			ND	ND	0.0113	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Copper	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Copper	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	0.0111	ND	ND	NT
Copper	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Copper	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Copper	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Copper	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Copper	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Copper	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Copper	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Copper	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Copper	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Copper	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Copper	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	0.131
Lead	mg/L	04/29/08	0.01	0.015	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	mg/L	05/22/08		(0.015)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Lead	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Lead	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Lead	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Lead	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Lead	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Lead	mg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	0.024	NT	NT
Lead	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Lead	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	NT	NT
Lead	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Lead	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Lead	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Lead	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Lead	mg/L	11/18/15			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Lead	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Lead	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	05/30/17	0.01	0.015	ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	11/21/17		(0.015)	ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Lead	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Lead	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Lead	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Lead	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Lead	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	0.0113	ND	ND	ND	NT
Lead	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Lead	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Lead	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Lead	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Lead	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Lead	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Lead	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Lead	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Lead	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Lead	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Lead	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Nickel	mg/L	04/29/08	0.01	NE	ND	ND	ND	ND	0.018	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	05/22/08		(0.1)	ND	ND	ND	ND	0.015	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	06/18/08			ND	ND	ND	ND	0.014	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	08/13/08			ND	ND	ND	ND	0.012	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	09/24/08			ND	ND	ND	ND	0.012	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	04/27/09			ND	ND	ND	NT	0.0121	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Nickel	mg/L	10/26/09			ND	ND	ND	NT	0.0313 (0.012)	ND	0.0171	ND	ND	ND	ND	0.0408	0.0284	NT	NT	NT
Nickel	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.039	0.0311	NT	NT	NT
Nickel	mg/L	12/17/09			ND	ND	ND	NT	0.0122 (0.0120)	ND	0.0198	ND	ND	ND	ND	0.040	0.0351	NT	NT	NT
Nickel	mg/L	04/13/10			ND	ND	ND	NT	0.0125	ND	0.0383	ND	ND	ND	ND	0.0378	0.0278	NT	NT	NT
Nickel	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	0.0428	ND	ND	ND	ND	0.0359	0.028	NT	NT	NT
Nickel	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	0.0403	ND	ND	ND	ND	0.0378	0.0282	NT	NT	NT
Nickel	mg/L	07/09/10			NT	ND	NT	NT	0.0141	NT	NT	ND	NT	NT	NT	0.0369	0.0269	NT	NT	NT
Nickel	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	0.0424	ND	ND	ND	ND	0.0407	0.0326	NT	NT	NT
Nickel	mg/L	10/18/10			ND	ND	ND	NT	0.0124	ND	0.0384	ND	ND	ND	ND	0.0422	0.038	NT	NT	NT
Nickel	mg/L	05/10/11			ND	ND	ND	NT	0.014 (0.014)	ND	0.077 (0.079)	ND	ND	ND	ND	0.038 (0.038)	0.025 (0.026)	NT	NT	NT
Nickel	mg/L	10/19/11			ND	ND	ND	NT	0.014	ND	0.12	ND	ND	ND	ND	0.046	0.025	NT	NT	NT
Nickel	mg/L	04/24/12			ND	ND	ND	NT	0.013	ND	0.093	ND	ND	ND	ND	0.048	0.027	NT	NT	NT
Nickel	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Nickel	mg/L	10/25/12*			0.023	ND	ND	NT	0.012	ND	0.084	dry	ND	ND	ND	0.054	0.024	0.03	NT	NT
Nickel	mg/L	05/07/13			NT	0.011	ND	NT	0.011	ND	0.085	ND	ND	ND	ND	0.066	0.025	ND	NT	NT
Nickel	mg/L	11/11/13			ND	ND	ND	NT	0.011	ND	0.14	0.1	ND	ND	ND	0.06	0.026	ND	NT	NT
Nickel	mg/L	05/13/14			ND	ND	ND	ND	0.013	ND	0.12	ND	ND	ND	ND	0.064	0.019	ND	NT	NT
Nickel	mg/L	11/12/14			ND	ND	ND	NT	0.013	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Nickel	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Nickel	mg/L	05/27/15			NT	ND	ND	NT	0.011	ND	Sealed	ND	Sealed	ND	ND	0.057	0.019	ND	ND	NT
Nickel	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Nickel	mg/L	11/18/15			0.013	0.011	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	0.1	ND	ND	ND	NT
Nickel	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Nickel	mg/L	06/16/16			ND	ND	ND	NT	0.014	ND	Sealed	ND	Sealed	ND	ND	0.045	0.01	ND	ND	NT
Nickel	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Nickel	mg/L	11/16/16			ND	ND	ND	NT	0.015	ND	Sealed	ND	Sealed	ND	ND	0.048	0.01	ND	ND	NT
Nickel	mg/L	05/30/17			ND	ND	ND	NT	0.016	ND	Sealed	0.013	Sealed	ND	ND	0.051	0.013	ND	ND	NT
Nickel	mg/L	11/21/17			ND	ND	ND	NT	0.013	ND	Sealed	0.011	Sealed	ND	ND	0.051	0.016	ND	ND	NT
Nickel	mg/L	05/31/18			ND	ND	ND	Sealed	0.015	ND	Sealed	0.04	Sealed	ND	ND	0.053	0.017	ND	ND	NT
Nickel	mg/L	10/31/18			ND	0.010	ND	Sealed	0.019	ND	Sealed	0.016	Sealed	0.017	ND	0.063	0.018	ND	ND	NT
Nickel	mg/L	05/28/19			ND	ND	ND	Sealed	0.016	ND	Sealed	0.042	Sealed	ND	Inaccessible	0.077	0.018	ND	ND	NT
Nickel	mg/L	10/15/19			ND	ND	ND	Sealed	0.021	ND	Sealed	0.021	Sealed	0.021	ND	0.075	0.021	ND	ND	NT
Nickel	mg/L	06/03/20			ND	0.0106	ND	Sealed	0.0221	ND	Sealed	0.028	Sealed	ND	Inaccessible	0.0834	0.0265	ND	ND	NT
Nickel	mg/L	10/07/20			ND	ND	ND	Sealed	0.0233	ND	Sealed	0.0124	Sealed	Inaccessible	Inaccessible	0.101	0.0309	ND	ND	NT
Nickel	mg/L	05/03/21			ND	ND	ND	Sealed	0.0181	ND	Sealed	0.0261	Sealed	ND	ND	0.0903	0.0277	ND	ND	NT
Nickel	mg/L	11/09/21			ND	ND	ND	Sealed	0.0177	ND	Sealed	0.0158	Sealed	Inaccessible	Inaccessible	0.106	0.0296	ND	ND	NT
Nickel	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Nickel	mg/L	05/17/22			ND	0.0109	ND	Sealed	0.0204	ND	Sealed	0.0233	Sealed	ND	ND	0.102	0.0306	ND	ND	NT
Nickel	mg/L	7/28/22 (01)			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	7/28/22 (02)			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	10/17/22			ND	ND	ND	Sealed	0.0261	ND	Sealed	0.01	Sealed	ND	ND	0.135	0.0361	ND	ND	NT
Nickel	mg/L	05/22/23**			ND	ND	ND	Sealed	0.0183	ND	Sealed	0.0236	Sealed	ND	ND	0.131	0.0257	ND	ND	NT
Nickel	mg/L	10/5/23***			ND	0.0118	ND	Sealed	0.0302	ND	Sealed	0.0121	Sealed	NT	NT	0.178	0.0288	ND	0.0234	NT
Nickel	mg/L	05/20/24			ND	ND	ND	Sealed	0.0261	ND	Sealed	0.0185	Sealed	NT	NT	0.181	0.0391	ND	ND	NT
Nickel	mg/L	07/18/24			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	10/02/24			ND	0.0132	ND	Sealed	0.0251	ND	Sealed	ND	Sealed	Inaccessible	NT	0.258	0.0316	ND	ND	NT
Nickel	mg/L	11/12/24			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Nickel	mg/L	05/12/25			ND	0.0145	ND	Sealed	0.0386	ND	Sealed	0.0136	Sealed	ND	0.0713	0.278	0.0317	ND	ND	NT
Nickel	mg/L	10/14/25			ND	0.0154	ND	Sealed	0.0335	ND	Sealed	ND	Sealed	Inaccessible	Sealed	0.289	0.0315	ND	ND	ND
Nickel	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Nickel	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Nickel	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Nickel	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Nickel	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Nickel	mg/L	05/27/26			ND	ND	ND	Sealed	0.0273	ND	Sealed	0.0155	Sealed	ND	Sealed	0.313	0.0363	ND	ND	ND
Nickel	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Selenium	mg/L	04/29/08	0.01	0.05	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	mg/L	05/22/08		(0.05)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Selenium	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Selenium	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Selenium	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	05/10/11	0.01	0.05	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	10/19/11		(0.05)	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.011	ND	ND	ND	NT	NT	NT
Selenium	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Selenium	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Selenium	mg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT
Selenium	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Selenium	mg/L	11/11/13			0.025	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Selenium	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Selenium	mg/L	11/12/14			0.067	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Selenium	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Selenium	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Selenium	mg/L	11/18/15			0.044	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Selenium	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	0.022	0.046	ND	ND	ND	ND	NT
Selenium	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Selenium	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	0.012	ND	ND	ND	ND	ND	NT
Selenium	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	0.025	0.038	ND	ND	ND	ND	NT
Selenium	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	0.026	ND	ND	ND	NT
Selenium	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Selenium	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Selenium	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Selenium	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Selenium	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Selenium	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Selenium	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Selenium	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Selenium	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Selenium	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Selenium	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Selenium	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Selenium	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Selenium	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Selenium	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Selenium	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Selenium	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Silver	mg/L	04/29/08	0.01	NE	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	mg/L	05/22/08		(0.1)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Silver	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Silver	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Silver	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Silver	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Silver	mg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT
Silver	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Silver	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Silver	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Silver	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Silver	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Silver	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Silver	mg/L	11/18/15			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Silver	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Silver	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Silver	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Silver	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Silver	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Silver	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Silver	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Silver	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Silver	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Silver	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Silver	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Silver	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Silver	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Silver	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Silver	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Silver	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Silver	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Silver	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Thallium	µg/L	04/29/08	2	2	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	µg/L	05/22/08		(2)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	µg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Thallium	µg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Thallium	µg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Thallium	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Thallium	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Thallium	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT
Thallium	µg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Thallium	µg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Thallium	µg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Thallium	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Thallium	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Thallium	µg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Thallium	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Thallium	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Thallium	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Thallium	µg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Thallium	µg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Thallium	µg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	2.44	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Thallium	µg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	ND	Sealed	ND	ND	NT	NT	NT	NT	NT
Thallium	µg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Thallium	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Thallium	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Thallium	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Thallium	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Thallium	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Thallium	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Thallium	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Thallium	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Thallium	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Thallium	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Thallium	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Vanadium	mg/L	04/29/08	0.02	NE	ND	ND	ND	ND	0.022	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vanadium	mg/L	05/22/08		(0.049)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vanadium	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vanadium	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vanadium	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vanadium	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Vanadium	mg/L	10/26/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Vanadium	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Vanadium	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vanadium	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Vanadium	mg/L	10/25/12*			0.055	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	0.05	NT	NT
Vanadium	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Vanadium	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND	NT	NT
Vanadium	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Vanadium	mg/L	11/12/14			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	ND	NT
Vanadium	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.02	NT
Vanadium	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Vanadium	mg/L	11/18/15			0.033	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Vanadium	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Vanadium	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Vanadium	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Vanadium	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	06/03/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Vanadium	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Vanadium	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Vanadium	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Vanadium	mg/L	05/17/22	0.02	NE	ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	10/17/22		(0.049)	ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Vanadium	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Vanadium	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Vanadium	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Vanadium	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Vanadium	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Vanadium	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Vanadium	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Vanadium	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Vanadium	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Vanadium	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Vanadium	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Zinc	mg/L	04/29/08	0.02	NE	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	mg/L	05/22/08		(2)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	mg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	mg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	mg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	mg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Zinc	mg/L	10/26/09			0.034	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT
Zinc	mg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	ND	ND	ND	NT	NT	NT
Zinc	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Zinc	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Zinc	mg/L	10/25/12*			0.052	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	0.055	NT	NT
Zinc	mg/L	05/07/13			NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Zinc	mg/L	11/11/13			ND	ND	ND	NT	ND	ND	ND	0.17	ND	ND	ND	0.024	ND	ND	NT	NT
Zinc	mg/L	05/13/14			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
Zinc	mg/L	11/12/14			0.026	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	frozen	frozen	ND	0.025	NT
Zinc	mg/L	03/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	0.027	NT
Zinc	mg/L	05/27/15			NT	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	08/20/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Zinc	mg/L	11/18/15			0.032	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	04/25/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Zinc	mg/L	06/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	ND	NT
Zinc	mg/L	11/16/16			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	05/30/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	11/21/17			ND	ND	ND	NT	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	05/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	10/31/18			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	05/28/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Zinc	mg/L	10/15/19			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	06/03/20	0.05		ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Inaccessible	ND	ND	ND	ND	NT
Zinc	mg/L	10/07/20			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Zinc	mg/L	05/03/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	11/09/21			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT
Zinc	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Zinc	mg/L	05/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	10/17/22			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	05/22/23**			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT
Zinc	mg/L	10/5/23***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Zinc	mg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT
Zinc	mg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT
Zinc	mg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Zinc	mg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND
Zinc	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND
Zinc	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Zinc	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Zinc	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Zinc	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Zinc	mg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND
Zinc	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND
Total Suspended Solids (TSS)	mg/L	06/16/16	2	NE	8.8	28.7	ND	NT	18.4	ND	Sealed	5.2	Sealed	ND	ND	81.0	ND	32.4	11.2	NT
Total Suspended Solids (TSS)	mg/L	08/17/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	14.0	NT
Total Suspended Solids (TSS)	mg/L	11/16/16			8.0	19.2	ND	NT	5.6	ND	Sealed	ND	Sealed	ND	ND	37.6	7.6	61.2	8.8	NT
Total Suspended Solids (TSS)	mg/L	05/30/17			6.8	13.2	ND	NT	6.4	ND	Sealed	2.4	Sealed	ND	ND	50.0	4.4	65.6	7.6	NT
Total Suspended Solids (TSS)	mg/L	11/21/17			12.4	15.2	ND	NT	12.4	ND	Sealed	ND	Sealed	32.4	ND	31.2	5.6	20.8	6	NT
Total Suspended Solids (TSS)	mg/L	05/31/18			ND	12	ND	Sealed	7.2	ND	Sealed	4	Sealed	3.2	2.8	21.6	3.6	14	ND	NT
Total Suspended Solids (TSS)	mg/L	10/31/18			4.4	12.0	ND	Sealed	24.0	ND	Sealed	ND	Sealed	40.8	ND	56.4	35.6	98.0	4.4	NT
Total Suspended Solids (TSS)	mg/L	05/28/19			3.2	29.6	ND	Sealed	24.4	ND	Sealed	10.4	Sealed	38	Inaccessible	55.2	18.8	60.4	6.4	NT
Total Suspended Solids (TSS)	mg/L	10/15/19			35.2	17.6	ND	Sealed	10.4	ND	Sealed	10.8	Sealed	46.8	2.0	15.6	ND	13.2	2.4	NT
Total Suspended Solids (TSS)	mg/L	06/03/20	2.5		6.4	20.0	ND	Sealed	17.0	ND	Sealed	8.2	Sealed	33.8	Inaccessible	65.3	13.0	24.7	13.2	NT
Total Suspended Solids (TSS)	mg/L	10/07/20			11.7	13.5	ND	Sealed	20.4	ND	Sealed	3.7	Sealed	Inaccessible	Inaccessible	455	4.3	32.4	91.6	NT
Total Suspended Solids (TSS)	mg/L	05/03/21			7.7	23.2	ND	Sealed	16.2	4.1	Sealed	14.5	Sealed	5.9	71.4	73	ND	5.5	28.8	NT
Total Suspended Solids (TSS)	mg/L	5/3/21 (2)			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	76.1	NT	NT	NT	NT
Total Suspended Solids (TSS)	mg/L	11/09/21			32.6	13.7	ND	Sealed	28.3	ND	Sealed	8.4	Sealed	Inaccessible	Inaccessible	54.9	3	54.7	18.9	NT
Total Suspended Solids (TSS)	mg/L	01/13/22			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	ND	NT	NT	NT	NT	NT
Total Suspended Solids (TSS)	mg/L	05/17/22			5.6	26	ND	Sealed	19.9	ND	Sealed	4.1	Sealed	69.8	6.1	69.5	4.6	35	43.1	NT
Total Suspended Solids (TSS)	mg/L	10/17/22			23.5	26.8	ND	Sealed	40.4	ND	Sealed	5.6	Sealed	133	5.1	64	8.3	18.8	62.5	NT
Total Suspended Solids (TSS)	mg/L	05/22/23**			4.1	33.3	29.6	Sealed	12.2	ND	Sealed	11.1	Sealed	63.8	4.1	62.6	5.4	49.7	ND	NT
Total Suspended Solids (TSS)	mg/L	10/5/23***			26.9	13.6	11	Sealed	15.4	ND	Sealed	12	Sealed	NT	NT	151	319	29.3	168	NT
Total Suspended Solids (TSS)	mg/L	05/20/24			3.8	30.4	10	Sealed	20.3	3.3	Sealed	34.2	Sealed	NT	NT	76.4	4.9	31.3	6.3	NT
Total Suspended Solids (TSS)	mg/L	10/02/24			3.7	12.8	5.81	Sealed	39	2.5	Sealed	17	Sealed	Inaccessible	NT	86	23.4	12.4	6.8	NT
Total Suspended Solids (TSS)	mg/L	05/12/25			3.6	12.8	15.6	Sealed	15.1	<2.5	Sealed	23.8	Sealed	8.2	2.6	76	<2.5	11.1	17.8	NT
Total Suspended Solids (TSS)	mg/L	10/14/25			6	7.8	5.8	Sealed	5.1	ND	Sealed	12.2	Sealed	Inaccessible	Sealed	77	ND	4.8	19.2	128
Total Suspended Solids (TSS)	mg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	7.9	Sealed	NT	NT	NT	NT	53.2
Total Suspended Solids (TSS)	mg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	24.3
Total Suspended Solids (TSS)	mg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	37.6
Total Suspended Solids (TSS)	mg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	28.4
Total Suspended Solids (TSS)	mg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	90.5
Total Suspended Solids (TSS)	mg/L	05/27/26			16.2	20.3	3.5	Sealed	10.7	ND	Sealed	15.3	Sealed	6.25	Sealed	63.2	ND	29.7	67.2	113
Total Suspended Solids (TSS)	mg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	161
Appendix II [3]																				
Cyanide	µg/L	10/26/09	10	200	NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	12/17/09		(200)	NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Cyanide	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Cyanide	µg/L	10/18/10			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Cyanide	µg/L	10/19/11			NT	NT	NT	NT	NT	NT	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	05/07/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	11/11/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	05/13/14			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	11/12/14			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	05/27/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	11/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	06/16/16			NT	ND	NT	NT	ND	NT	Sealed	NT	Sealed	NT	NT	ND	ND	NT	NT	NT
Cyanide	µg/L	11/16/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	05/30/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	11/21/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	05/31/18			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	10/31/18			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	05/28/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Cyanide	µg/L	10/15/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	06/03/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Cyanide	µg/L	10/07/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	Inaccessible	Inaccessible	NT	NT	NT	NT	NT
Cyanide	µg/L	05/03/21			NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	NT	16.4	14.1	NT	NT	NT
Cyanide	µg/L	11/09/21			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	ND	NT	NT	NT	NT
Cyanide	µg/L	12/21/21			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	ND	NT	NT	NT
Cyanide	µg/L	05/27/26			NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	Sealed	ND	ND	NT	NT	NT
Mercury	µg/L	10/26/09	0.4	2	NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	12/17/09		(2)	NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Mercury	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Mercury	µg/L	10/18/10			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Mercury	µg/L	10/19/11			NT	NT	NT	NT	NT	NT	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	05/07/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	11/11/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	05/13/14			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	11/12/14			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	05/27/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT

Table 5 - Semi-Annual Detection Monitoring Metals Results (2008-Present)

Dickinson Landifll - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Mercury	µg/L	11/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	06/16/16			NT	ND	NT	NT	ND	NT	Sealed	ND	Sealed	NT	NT	ND	ND	NT	NT	NT
Mercury	µg/L	11/16/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	05/30/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	11/21/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	05/31/18			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	10/31/18			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	05/28/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Mercury	µg/L	10/15/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Mercury	µg/L	06/03/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Mercury	µg/L	10/07/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	Inaccessible	Inaccessible	NT	NT	NT	NT	NT
Mercury	µg/L	05/03/21			NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	NT	ND	ND	NT	NT	NT
Mercury	µg/L	12/21/21			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	Inaccessible	Inaccessible	NT	NT	NT	NT	NT
Mercury	µg/L	05/27/26			NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	Sealed	ND	ND	NT	NT	NT
Sulfide	mg/L	10/26/09	1	NE	NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	12/17/09			NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Sulfide	mg/L	08/18/10			NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Sulfide	mg/L	10/18/10			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Sulfide	mg/L	10/19/11			NT	NT	NT	NT	NT	NT	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	05/07/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	11/11/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	05/13/14			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	11/12/14			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	05/27/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	11/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	06/16/16			NT	ND	NT	NT	ND	NT	Sealed	ND	Sealed	NT	NT	ND	ND	NT	NT	NT
Sulfide	mg/L	11/16/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	05/30/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	11/21/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	10/31/18			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	05/28/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Sulfide	mg/L	10/15/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	06/03/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Sulfide	mg/L	10/07/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	Inaccessible	Inaccessible	NT	NT	NT	NT	NT
Sulfide	mg/L	05/03/21			NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	NT	ND	ND	NT	NT	NT
Sulfide	mg/L	11/09/21			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	Inaccessible	Inaccessible	NT	NT	NT	NT	NT
Sulfide	mg/L	05/27/26			NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	Sealed	ND	ND	NT	NT	NT
Tin	µg/L	10/26/09	20	NE	NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	12/17/09		(4,200)	NT	ND	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Tin	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT
Tin	µg/L	10/18/10			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	05/10/11			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	10/19/11			NT	NT	NT	NT	NT	NT	ND	NT	ND	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	05/07/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	11/11/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	05/13/14			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	11/12/14			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	05/27/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	11/18/15			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	06/16/16			NT	ND	NT	NT	ND	NT	Sealed	ND	Sealed	NT	NT	ND	ND	NT	NT	NT
Tin	µg/L	11/16/16			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	05/30/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	11/21/17			NT	NT	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	05/31/18			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	10/31/18			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	05/28/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Tin	µg/L	10/15/19			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	NT	NT	NT
Tin	µg/L	06/03/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Inaccessible	NT	NT	NT	NT	NT
Tin	µg/L	10/07/20			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	Inaccessible	Inaccessible	NT	NT	NT	NT	NT
Tin	µg/L	05/03/21	50		NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	NT	ND	ND	NT	NT	NT
Tin	µg/L	11/09/21			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	Inaccessible	Inaccessible	NT	NT	NT	NT	NT
Tin	µg/L	05/27/26			NT	ND	NT	Sealed	ND	NT	Sealed	ND	Sealed	NT	Sealed	ND	ND	NT	NT	NT

Notes:

[1] Detection monitoring parameters per Appendix I of Chapter 567-113.15; metals results are total concentrations

[2] Maximum Contaminant Level (MCL), as promulgated by US EPA.
Iowa Groundwater Protection Standard or GWPS for a protected groundwater sources listed below MCL in (parentheses)

[3] Additional inorganic parameters per Appendix II of Chapter 567-113.15

RL = Reporting limit

NE = Not established; No MCL for parameter

ND = Not detected at or above laborartory reporting limit

NT = Not tested, sampling either not required, well not yet installed, or insufficient well volume

Highlighted result above water quality standard

Unconfirmed detection - compound not detected above RL during resampling

* GW Holding Pond Data collected on 12/4/12

** = Samples MW-12A, MW-13A, MW-21A, MW-23A, MW-37A collected on 6/8/2023

*** = Samples from MW38 collected on 10/23/2023

[0.0342] = Holding Pond Dissolved Nickel Result 11/12/2024

(2) = MW-37A extended purge sample results 5/3/21

(01)(02) = Two samples collected from Holding Pond on 7/28/22 for arsenic and nickel analysis for confirmation/verification purposes

Table 6 - Major Ion Data (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Parameter	Units	Date	MCL [2]	RL	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	SW-1	GU-B&GU-C	Holding Pond	Leachate
Cations																					
Calcium	mg/L	04/29/08	NE	0.5	113	207	89.6	123	93.6	NT	NT	NT	NT	NT	NT	NT	NT	89.6	161	NT	459
Calcium	mg/L	09/24/08			113	196	91.1	127	97.2	NT	NT	NT	NT	NT	NT	NT	NT	Dry	156	NT	256
Calcium	mg/L	10/26/09			113	203	93.3	118	96.8	117	167	144	187	113	NT	NT	NT	Dry	162	NT	169
Calcium	mg/L	04/13/10			105	176	89.5	120	93.2	109	160	141	157	127	NT	NT	NT	NT	146	NT	120
Calcium	mg/L	05/10/11			105	174	98	124	92.9	105	163	139	158	126	NT	NT	NT	91.5	153	NT	75.9
Calcium	mg/L	04/24/12			113	185	94.9	121	91.6	138	162	143	174	133	NT	NT	NT	116	165	NT	23.2
Calcium	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	138	NT	NT	NT	NT	NT	NT
Calcium	mg/L	05/07/13			dry	194	113	115	89	124	157	143	183	139	148	NT	NT	NT	NT	114	31.9
Calcium	mg/L	05/13/14			dry	189	101	139	94.9	129	155	153	188	145	143	NT	NT	NT	NT	20.3	18.5
Calcium	mg/L	05/27/15			dry	161	80.9	91.9	71	167	162	134	164	138	135	85.3	NT	NT	NT	48.1	28.5
Calcium	mg/L	06/16/16			98.2	180	103	148	101	209	117	157	152	158	117	103	NT	NT	NT	35.9	50.5
Calcium	mg/L	05/30/17			98.8	181	110	155	97.1	228	135	165	155	160	117	105	NT	NT	NT	38.9	75.8
Calcium	mg/L	05/31/18			110	184	110	132	103	224	103	105	167	146	104	106	NT	NT	NT	53.3	70.7
Calcium	mg/L	05/28/19			124	193	116	129	119	213	97.6	Inaccessable	195	152	102	100	NT	NT	NT	42.3	64.4*
Calcium	mg/L	06/03/20		1	123	192	124	131	113	203	94.3	Inaccessable	221	163	92.4	99.7	NT	NT	NT	50.1	78.6
Calcium	mg/L	05/03/21			132	200	127	119	105	187	172	134	245 (238)[3]	152	133	105	NT	NT	NT	45.8	65.2
Calcium	mg/L	05/17/22			131	191	121	118	99.5	172	107	86.4	211	150	113	98.1	NT	NT	NT	60.4	52.9
Calcium	mg/L	5/22/23**			125	198	148	115	105	182	89.5	93	243	143	89.2	91.1	NT	NT	NT	68.8	57
Calcium	mg/L	05/20/24			117	212	152	126	107	185	NT	NT	295	152	85	90.5	NT	NT	NT	45	58.1
Calcium	mg/L	05/12/25			132	201	128	169	126	150	258	223	318	159	123	101	NT	NT	NT	81.5	69.4
Calcium	mg/L	05/27/26			131	209	126	131	121	142	221	Sealed	315	155	105	98.3	NT	NT	NT	26.3	71.7
Magnesium - Total	mg/L	04/29/08	NE	0.2	41.8	75.1	32.4	35.8	35	NT	NT	NT	NT	NT	NT	NT	NT	32.4	47.2	NT	183
Magnesium - Total	mg/L	09/24/08			42.0	72.1	33.4	36.2	37.1	NT	NT	NT	NT	NT	NT	NT	NT	Dry	47.0	NT	315
Magnesium - Total	mg/L	10/26/09			41.5	74.7	34.3	34.7	37.3	36.6	46.5	37.9	65.5	33.0	NT	NT	NT	Dry	49	NT	216
Magnesium - Total	mg/L	04/13/10			38.4	66.4	33.1	35.5	36.1	34.2	45.1	37.2	55.8	36.2	NT	NT	NT	NT	39	NT	203
Magnesium - Total	mg/L	05/10/11			40.0	66	37	38	35.5	33.9	47.2	37.4	60.4	36.9	NT	NT	NT	32.6	45.5	NT	233
Magnesium - Total	mg/L	04/24/12			41.4	69.6	36.1	37.2	34.1	44	45.5	38.2	66.1	39.3	NT	NT	NT	38.5	47.8	NT	175
Magnesium - Total	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	47.7	NT	NT	NT	NT	NT	NT
Magnesium - Total	mg/L	05/07/13			dry	73.1	42.2	36.4	32.8	39.1	44.6	38.4	64.8	41.6	50.8	NT	NT	NT	NT	36.1	131
Magnesium - Total	mg/L	05/13/14			dry	70.1	36.7	46.4	34.2	41	44.3	39.6	65.6	42.9	50.4	NT	NT	NT	NT	20.3	86.6
Magnesium - Total	mg/L	05/27/15			dry	65.8	32.1	32.8	28.5	57.1	46.4	39.4	65.3	43.8	49.7	36.9	NT	NT	NT	48.1	109
Magnesium - Total	mg/L	06/16/16			35.9	67.1	39.7	47.3	40.9	65.2	34.8	49.5	56.9	46.4	39.9	41.3	NT	NT	NT	35.9	101
Magnesium - Total	mg/L	05/30/17			37.4	69.6	40.9	53.1	97.1	72.5	39.5	48.0	60.9	49.1	38.6	40.8	NT	NT	NT	38.9	137
Magnesium - Total	mg/L	05/31/18			42.1	69..6	40.8	47	39.6	75.5	34.1	40.6	65.4	44.8	34.5	40.9	NT	NT	NT	37.3	129
Magnesium - Total	mg/L	05/28/19			44.5	72.2	40.9	43.1	44.8	72.1	30.8	Inaccessable	72.6	45.1	31.9	37.1	NT	NT	NT	22.3	164*
Magnesium - Total	mg/L	06/03/20		1	43.6	98.2	42.6	45.5	41.2	64.8	29.6	Inaccessable	80.0	48.4	29.1	36.4	NT	NT	NT	38.2	172
Magnesium - Total	mg/L	05/03/21			43.7	69.3	41.9	40.7	36.1	57.9	43.8	42.0	86.4 (85.8)[3]	44.9	41.2	37.5	NT	NT	NT	40.0	168
Magnesium - Total	mg/L	05/17/22			45	67.7	40.4	41.2	34.6	54.6	33.6	31.7	75.5	45.7	35.9	35.7	NT	NT	NT	40.2	139
Magnesium - Total	mg/L	5/22/23**			43	74.5	52	40.9	39.8	61.2	27.9	33.5	93.1	43.8	28.5	33.1	NT	NT	NT	39.9	156
Magnesium - Total	mg/L	05/20/24			41	76.6	52.4	47.6	38.7	62	NT	NT	110	49.3	27.2	34.1	NT	NT	NT	56.1	147
Magnesium - Total	mg/L	05/12/25			46	72.1	42.4	61.6	45.4	47.2	70.1	55.9	119	48.3	38.6	36.4	NT	NT	NT	46.2	161
Magnesium - Total	mg/L	05/27/26			48	74.6	42.7	46.4	43.7	45.5	60.2	Sealed	118	47.9	33.1	35.2	NT	NT	NT	37.1	160
Potassium - Total	mg/L	04/29/08	NE	0.5	2.4	6.2	1.9	2.2	3.1	NT	NT	NT	NT	NT	NT	NT	NT	1.9	5.8	NT	220
Potassium - Total	mg/L	09/24/08			2.7	6.3	2.2	0.93	3.6	NT	NT	NT	NT	NT	NT	NT	NT	Dry	6.1	NT	432
Potassium - Total	mg/L	10/26/09			2.9	6.36	2.09	0.844	3.44	1.8	4.71	5.45	3.61	2.40	NT	NT	NT	Dry	6.28	NT	416
Potassium - Total	mg/L	04/13/10			2.37	5.36	1.86	0.761	2.66	1.45	4.65	4.64	1.76	0.595	NT	NT	NT	NT	4.71	NT	308
Potassium - Total	mg/L	05/10/11			2.7	6.2	2.3	1.1	3.7	1.4	5.0	4.7	1.8	0.92	NT	NT	NT	1.9	6.2	NT	419
Potassium - Total	mg/L	04/24/12			2.9	5.9	2.3	1.1	4.2	2.4	5.2	5	1.8	0.79	NT	NT	NT	2	7.2	NT	366
Potassium - Total	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3	NT	NT	NT	NT	NT	NT
Potassium - Total	mg/L	05/07/13			dry	5.5	2.3	0.76	4.2	2.8	5.0	4.7	2.2	0.83	2.3	NT	NT	NT	NT	6.1	369
Potassium - Total	mg/L	05/13/14			dry	5.8	1.9	1.5	3.8	2.1	4.8	4.4	1.9	1.9	2.2	NT	NT	NT	NT	5.8	272
Potassium - Total	mg/L	05/27/15			dry	5.4	1.8	0.7	3.5	2.4	5.7	4.7	2	1.2	1.8	2.8	NT	NT	NT	5.2	365
Potassium - Total	mg/L	06/16/16			2.7	NT	2.2	NT	3.2	NT	2.7	4.6	NT	NT	0.63	1.5	NT	NT	NT	8.1	262
Potassium - Total	mg/L	05/30/17			2.5	5.8	2.1	0.88	3.7	2.8	1.7	4.6	1.7	1.2	0.77	1.4	NT	NT	NT	4.9	322
Potassium - Total	mg/L	05/31/18			2.3	5.8	2.3	0.83	3.7	2.6	0.64	1.5	1.9	1.1	0.63	1.5	NT	NT	NT	3.6	318
Potassium - Total	mg/L	05/28/19			2.3	5.2	2.1	1.1	3.3	2.2	0.73	Inaccessable	1.9	0.97	0.65	1.3	NT	NT	NT	4.3	392*
Potassium - Total	mg/L	06/03/20		1	2.05	5.46	2.27	ND	3.55	2.26	ND	Inaccessable	2.01	1.07	ND	1.41	NT	NT	NT	2.73	366
Potassium - Total	mg/L	05/03/21			2.54	4.87	2.25	ND	3.84	2.20	4.42	ND	1.93 (2.18)[3]	ND	ND	2.75	NT	NT	NT	2.27	425
Potassium - Total	mg/L	05/17/22			3	4.96	2.33	ND	3.79	2.14	ND	1.57	2.13	ND	ND	1.98	NT	NT	NT	4.93	391
Potassium - Total	mg/L	5/22/23**			3	5.16	2.47	ND	3.8	2.69	ND	1.55	2.55	1.11	ND	1.51	NT	NT	NT	6.37	410
Potassium - Total	mg/L	05/20/24			3	4.13	2.86	ND	4.17	2.43	NT	NT	2.61	ND	ND	1.37	NT	NT	NT	38.1	381
Potassium - Total	mg/L	05/12/25			3	4.84	2.36	1.1	3.32	2.03	7.42	5.42	2.74	1.11	<1	2.06	NT	NT	NT	16.4	379
Potassium - Total	mg/L	05/27/26			2.84	4.45	2.49	ND	3.73	1.9	6.76	Sealed	2.59	1.07	ND	1.99	NT	NT	NT	9.18	379
Sodium - Total	mg/L	04/29/08	NE	1	6.2	84.9	4.2	22.1	7.6	NT	NT	NT	NT	NT	NT	NT	NT	4.2	9.0	NT	917
Sodium - Total	mg/L	09/24/08			6.1	80.6	4.2	21.5	6.2	NT	NT	NT	NT	NT	NT	NT	NT	Dry	8.8	NT	1990
Sodium - Total	mg/L	10/26/09			5.7	78.1	4.3	16.9	5.9	10.9	8.4	6.6	32.7	13.4	NT	NT	NT	Dry	9.3	NT	1880
Sodium - Total	mg/L	04/13/10			9.0	92.8	4.1	15.9	5.9	8.6	8.5	6.2	27.6	12.4	NT	NT	NT	NT	8.0	NT	1630
Sodium - Total	mg/L	05/10/11			7.7	79.7	4.9	17.2	7.4	9.9	9.5	6.7	31.8	18.7	NT	NT	NT	9.5	10.8	NT	2300
Sodium - Total	mg/L	04/24/12			5.8	74.9	4.6	16.8	6.7	11.8	9.7	6.7	34.4	18.4	NT	NT	NT	15.0	11.2	NT	2750
Sodium - Total	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.9	NT	NT	NT	NT	NT	NT
Sodium - Total	mg/L	05/07/13			dry	76.4	5.1	19.0	6.6	11.1	9.2	6.5	43.9	18.8	5.7	NT	NT	NT	NT	11.4	2720
Sodium - Total	mg/L	05/13/14			dry	64.9	4.2	17.4	5.9	10.2	8.7	6.1	40.2	16.8	5.5	NT	NT	NT	NT	6.4	2050
Sodium - Total	mg/L	05/27/15			dry	75.8	4.2	13.2	5.1	10.8	9.7	6.2	36.2	17.3	5.9	4.6	NT	NT	NT	8.2	2410
Sodium - Total	mg/L	06/16/16			15.0	78.2	5.3	17.2	10.0	14.4	7.6	8.0	34.1	18.3	5.4	4.9	NT	NT	NT	27.2	1780
Sodium - Total	mg/L	05/30/17			14.4	74.1	5.8	16.6	6.1	15.5	7.4	7.6	41.6	22.5	5.1	5.1	NT	NT	NT	12.2	2270
Sodium - Total	mg/L	05/31/18			12.2	73.2	5.3	14.2	6.0	16.2	4.8	5.1	50.5	20.1	4.9	5.0	NT	NT	NT	18.6	1990
Sodium - Total	mg/L	05/28/19			13.5	78.4	5.9	11.9	8.4	17.9	12.9	Inaccessable	59.2	19.1	12.0	5.9	NT	NT	NT	13.5	2340*
Sodium - Total	mg/L	06/03/20			12.3	66.8	6.41	16.3	7.35	16.0	4.50	Inaccessable	51.0	21.9	4.43	5.30	NT	NT	NT	29.5	2650
Sodium - Total	mg/L	05/03/21			6.44	67.8	5.34	17.1	6.08	14.5	9.43	5.11	66.6 (67.7)[3]	18.6	5.26	6.15	NT	NT	NT	18.1	2420

Table 6 - Major Ion Data (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Parameter	Units	Date	MCL [2]	RL	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	SW-1	GU-B&GU-C	Holding Pond	Leachate
Sodium - Total	mg/L	05/17/22			6	65.2	5.73	18.9	5.91	13.1	4.65	4.48	74	19.5	4.83	4.56	NT	NT	NT	27.9	2180
Sodium - Total	mg/L	5/22/23**			7	65.1	6.6	19.6	6.49	14	4.65	5.25	89.4	19.4	4.63	4.99	NT	NT	NT	33.3	2190
Sodium - Total	mg/L	05/20/24			19	64.4	7.15	21.7	6.36	13.1	NT	NT	121	20.2	4.42	5.59	NT	NT	NT	114	2190
Sodium - Total	mg/L	05/12/25			8	62.4	6.67	34.8	8.62	12.4	15.6	10.3	172	24.3	7.17	4.86	NT	NT	NT	54.5	1910
Sodium - Total	mg/L	05/27/26			6	59.9	7.06	40	8.06	11.2	13.7	Sealed	195	31.7	5	4.94	NT	NT	NT	35.5	2130
Anions																					
Alkalinity, Bicarb	mg/L	04/29/08	NE	25	169	745	170	316	311	NT	NT	NT	NT	NT	NT	NT	NT	NT	389	NT	2570
Alkalinity, Bicarb	mg/L	09/24/08			360	932	401	460	332	NT	NT	NT	NT	NT	NT	NT	NT	Dry	490	NT	5270
Alkalinity, Bicarb	mg/L	10/26/09			327	873	784	398	297	296	389	350	330	310	NT	NT	NT	Dry	452	NT	3720
Alkalinity, Bicarb	mg/L	04/13/10			308	903	409	386	324	285	421	366	469	370	NT	NT	NT	NT	547	NT	3770
Alkalinity, Bicarb	mg/L	05/10/11			315	882	355	383	350	315	408	385	520	346	NT	NT	NT	372	497	NT	5580
Alkalinity, Bicarb	mg/L	04/24/12			312	769	358	357	339	364	298	351	564	413	NT	NT	NT	NT	496	NT	4860
Alkalinity, Bicarb	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	448	NT	NT	NT	NT	NT	NT
Alkalinity, Bicarb	mg/L	05/07/13			dry	927	427	414	354	406	403	396	471	423	533	NT	NT	NT	NT	37	6180
Alkalinity, Bicarb	mg/L	05/13/14			dry	822	358	413	343	419	410	397	516	455	525	NT	NT	NT	NT	145	6610
Alkalinity, Bicarb	mg/L	05/27/15			dry	919	349	358	334	642	385	380	534	471	411	285	NT	NT	NT	52.8	4670
Alkalinity, Bicarb	mg/L	06/16/16			326	873	423	531	386	783	242	393	398	531	327	344	NT	NT	NT	62.3	2820
Alkalinity, Bicarb	mg/L	05/30/17			305	1000	400	414	352	786	296	355	326	449	350	316	NT	NT	NT	253	4620
Alkalinity, Bicarb	mg/L	05/31/18			350	931	415	446	379	901	352	335	407	482	358	325	NT	NT	NT	172	4570
Alkalinity, Bicarb	mg/L	05/28/19			349	854	380	397	281	469	318	Inaccessable	329	457	336	283	NT	NT	NT	109	4170*
Alkalinity, Bicarb	mg/L	06/03/20		20	435	906	466	431	363	757	329	Inaccessable	472	542	316	366	NT	NT	NT	226	4460
Alkalinity, Bicarb	mg/L	05/03/21			400	938	481	389	355	700	393	429	669 (655)[3]	501	444	350	NT	NT	NT	212	5100
Alkalinity, Bicarb	mg/L	05/17/22			410	914	452	378	343	678	354	309	564	508	385	343	NT	NT	NT	217	4320
Alkalinity, Bicarb	mg/L	5/22/23**			382	907	585	367	338	721	301	325	601	459	314	335	NT	NT	NT	201	4280
Alkalinity, Bicarb	mg/L	05/20/24			396	934	531	436	353	734	NT	NT	534	472	293	350	NT	NT	NT	386	3830
Alkalinity, Bicarb	mg/L	05/12/25			419	920	472	441	371	599	557	345	556	455	404	320	NT	NT	NT	317	4160
Alkalinity, Bicarb	mg/L	05/27/26			417	917	452	445	367	550	507	Sealed	612	492	306	350	NT	NT	NT	118	3300
Chloride	mg/L	04/29/08	NE	0.5	36.4	17.4	9	19.6	6.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.2	NT	1030
Chloride	mg/L	09/24/08			28.5	16.9	21.68	23.0	6.2	NT	NT	NT	NT	NT	NT	NT	NT	Dry	13.8	NT	2000
Chloride	mg/L	10/26/09			26.6	9.32	9.48	19.7	6.54	49.2	7.34	14.3	84.1	17.9	NT	NT	NT	Dry	16.1	NT	1730
Chloride	mg/L	04/13/10			35.7	10.6	10.8	23.6	8.63	60.6	8.48	16.1	110	25.3	NT	NT	NT	NT	20	NT	1370
Chloride	mg/L	05/10/11			32.3	14.5	14.3	22.5	7.9	55.9	8.4	16	129	21.4	NT	NT	NT	14.2	18.5	NT	1840
Chloride	mg/L	04/24/12			27.2	15.2	11.7	23.6	6.1	5.8	5.6	15.3	127	22.2	NT	NT	NT	NT	17.5	NT	1410
Chloride	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.1	NT	NT	NT	NT	NT	NT
Chloride	mg/L	05/07/13			dry	17.1	14.3	20.8	5.4	60.6	6.7	16.3	220	21.4	28.5	NT	NT	NT	NT	17.8	1480
Chloride	mg/L	05/13/14			dry	19.7	13.6	31.8	7.1	66.8	7.5	14.8	210	21.7	26.2	NT	NT	NT	NT	9.3	1900
Chloride	mg/L	05/27/15			dry	12.7	18.6	16.8	6.5	61.1	7.3	14.7	205	23	45.9	21.4	NT	NT	NT	6.1	2070
Chloride	mg/L	06/16/16			27.1	12.8	27.1	12.0	14.5	54.9	5.4	11.8	215	25.4	74.2	31.5	NT	NT	NT	34	1200
Chloride	mg/L	05/30/17			27.1	12.7	26.3	21.8	11.0	46.7	4.8	12.9	254	22.1	46.0	33.8	NT	NT	NT	24.7	1500
Chloride	mg/L	05/31/18			32.4	12.5	22.1	19.2	14.0	27.7	17.8	24.8	294	26	19.1	26.3	NT	NT	NT	39.8	1570
Chloride	mg/L	05/28/19			25.2	9.2	20.8	19.9	28.9	16.0	7.6	Inaccessable	326	16.8	8.6	15.3	NT	NT	NT	27.2	1800*
Chloride	mg/L	06/03/20		1	21.1	10.4	25.0	34.4	27.4	29.3	10.9	Inaccessable	407	29.7	13.1	15.3	NT	NT	NT	40.4	1640
Chloride	mg/L	05/03/21			28.6	11.2	24.2	28.7	17.0	29.4	6.61	31.7	313 (345)[3]	30.1	30.5	19.0	NT	NT	NT	30.2	1990
Chloride	mg/L	05/17/22			31	10.4	26.1	38.2	16.9	18.3	17.5	11.7	342	36.5	23.7	15.3	NT	NT	NT	46.6	2030
Chloride	mg/L	5/22/23**			26.2	11.3	26.5	32.6	19.1	10.4	10.5	9.83	394	27.3	13.3	9.2	NT	NT	NT	51.1	1890
Chloride	mg/L	05/20/24			19	11.3	26.7	52.9	16	6.35	NT	NT	678	63.6	13.9	6.47	NT	NT	NT	134	1800
Chloride	mg/L	05/12/25			28	12	27.5	76.4	33.4	8.72	8.3	95.9	753	59.8	22.8	9.59	NT	NT	NT	73.8	1740
Chloride	mg/L	05/27/26			27.6	11.8	27.5	48.2	25.8	6.02	7.15	Sealed	716	57.4	32	7.95	NT	NT	NT	45.3	1560
Sulfate	mg/L	04/29/08	NE	2 (10)	35.9	57.4	14.6	61.3	35.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	112	NT	366
Sulfate	mg/L	09/24/08			37.3	48.2	17.4	34.8	40.1	NT	NT	NT	NT	NT	NT	NT	NT	Dry	106	NT	ND
Sulfate	mg/L	10/26/09			37.1	19.5	19.3	20.4	36.3	38.8	203	122	106	105	NT	NT	NT	Dry	116	NT	ND
Sulfate	mg/L	04/13/10			38.2	25.2	24.5	57.8	38.2	43.4	233	138	89.7	114	NT	NT	NT	NT	120	NT	ND
Sulfate	mg/L	05/10/11			35.6	32.9	25.6	92	43.6	32.6	236	146	35.5	123	NT	NT	NT	8.5	110	NT	ND
Sulfate	mg/L	04/24/12			39.2	50.8	22.5	59.8	39.2	ND	236	146	59.6	76.2	NT	NT	NT	NT	114	NT	20.5
Sulfate	mg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	43.1	NT	NT	NT	NT	NT	NT	NT
Sulfate	mg/L	05/07/13			dry	56.5	34.1	70.1	40	33.7	226	146	42.4	132	50.5	NT	NT	NT	NT	89.2	318
Sulfate	mg/L	05/13/14			dry	49.7	22.6	98.2	43.3	33.1	198	166	39.1	96.8	60	NT	NT	NT	NT	87.2	641
Sulfate	mg/L	05/27/15			dry	22.4	22.7	80	42	24.5	206	161	35.9	88.4	46.1	39.9	NT	NT	NT	475	ND
Sulfate	mg/L	06/16/16			32.7	11.9	20.3	95.5	52.6	19.6	195	239	12.3	100	2.8	29.6	NT	NT	NT	246	320
Sulfate	mg/L	05/30/17			30.0	20.2	18.9	181	50.3	19.9	193	264	ND	128	3.6	47.4	NT	NT	NT	81.3	463
Sulfate	mg/L	05/31/18			34.1	24.4	17.6	95.5	54.7	12.6	3.4	48.7	ND	86.1	4.2	44.4	NT	NT	NT	98.9	482
Sulfate	mg/L	05/28/19			28.6	ND	10.4	77.9	63.7	ND	ND	Inaccessable	ND	76.5	ND	27.1	NT	NT	NT	45.7	432*
Sulfate	mg/L	06/03/20		5	23.5	16.4	12.6	76.5	62.5	8.76	ND	Inaccessable	10.4	78.8	ND	18.3	NT	NT	NT	86.7	377
Sulfate	mg/L	05/03/21			34.2	8.45	9.38	85.2	54.1	12.4	224	6.43	26.2 (17.9)[3]	70.9	15.1	37.7	NT	NT	NT	80.9	524
Sulfate	mg/L	05/17/22			33	19.4	14.8	98.2	53	9.79	ND	22.5	24.8	81.1	5.38	26.6	NT	NT	NT	105	464
Sulfate	mg/L	5/22/23**			31	6.33	ND	73	56.4	6.74	ND	23.7	11.8	85.1	ND	22	NT	NT	NT	106	438
Sulfate	mg/L	05/20/24			25	5.91	13.5	53.9	54.8	6.02	NT	NT	15.9	74.2	ND	14.9	NT	NT	NT	85.4	528
Sulfate	mg/L	05/12/25			33	19.9	12.5	189	80.8	5.47	388	292	13	104	7.32	20.7	NT	NT	NT	96.5	705
Sulfate	mg/L	05/27/26			34	6.12	12.4	73.9	71	ND	329	Sealed	21.6	60	ND	18	NT	NT	NT	56	508

Notes:

[1] Major ion data collected at the initiative of Dickinson Landfill, Inc. for informational purposes

[2] Maximum Contaminant Level (MCL), as promulgated by US EPA. MCLs, as listed in Iowa Chapter 113 .7(5), are denoted in parentheses

NE = None established; no MCL established for parameter.

NT = Not tested; sampling either not required, well not yet installed, or insufficient well volume

RL = Reporting limit

*= Leachate sample collected July 11, 2019

** = Samples MW-12A, MW-13A, MW-21A, MW-23A, MW-37A collected on 6/8/2023

( )[3] = MW-37A Extended purge sample collected 5/3/21

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
1,1-Dichloroethane	µg/L	04/24/08	1	NE	ND	120	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	05/22/08		(140)	ND	130 (140)	ND	ND	2.3	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	06/18/08			ND	120	ND	ND	4.1	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	08/13/08			ND	120	ND	ND	2.7	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	09/24/08			ND	120	ND	ND	1.5	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	04/27/09			ND	110	ND	NT	2.2	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	10/26/09			ND	94 (97)	ND	NT	1.3 (1.4)	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	11/23/09			ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
1,1-Dichloroethane	µg/L	12/17/09			ND	93 (85)	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	04/13/10			ND	70	ND	NT	1.4	ND	ND	ND	ND	ND	ND	ND	3.5	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	05/18/10			ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	3.7	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	06/21/10			ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	2.0	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	07/09/10			ND	90	NT	NT	3	NT	NT	ND	NT	NT	NT	ND	1.7	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	08/18/10			ND	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	1.4	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	10/18/10			ND	81	ND	NT	1.3	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	05/10/11			ND	64	ND	NT	1.8	ND	ND	ND	ND	ND	ND	ND	3.4	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	10/19/11			ND	70	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	1.2	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	04/24/12			ND	81	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,1-Dichloroethane	µg/L	08/06/12			ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
1,1-Dichloroethane	µg/L	10/25/12*			ND	75	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
1,1-Dichloroethane	µg/L	05/07/13			ND	83	ND	NT	1.8	ND	ND	ND	ND	ND	ND	ND	5.9	ND	NT	NT	ND
1,1-Dichloroethane	µg/L	11/11/13			ND	61	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	1.3	ND	NT	NT	ND
1,1-Dichloroethane	µg/L	05/13/14			ND	71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	NT	NT	ND
1,1-Dichloroethane	µg/L	11/12/14			ND	64	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	03/18/15			ND	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
1,1-Dichloroethane	µg/L	05/27/15			ND	67	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	1.1	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	08/20/15			ND	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
1,1-Dichloroethane	µg/L	11/18/15			ND	57	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	1.3	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	04/25/16			ND	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
1,1-Dichloroethane	µg/L	06/16/16			ND	35	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	08/17/16			ND	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	11/16/16			ND	33	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	05/30/17			ND	33	ND	NT	1.8	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	11/21/17			ND	42	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	1.2	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	04/12/18			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	µg/L	05/31/18			ND	40	ND	NT	2.4	ND	sealed	ND	sealed	ND	ND	ND	1.5	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	10/31/18			ND	44	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	1.8	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	05/28/19			ND	32	ND	sealed	1	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	10/15/19			ND	26	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	06/03/20			ND	32.9	ND	sealed	1.36	ND	sealed	ND	sealed	ND	Inaccessible	ND	2.26	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	10/07/20			ND	27	ND	sealed	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	1.8	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	05/03/21			ND	17.6	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	1.83	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	11/09/21			ND	25.8	ND	sealed	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	2.53	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	01/13/22			NT	NT	NT	sealed	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	µg/L	05/17/22			ND	21.5	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	2.32	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	10/17/22			ND	24.5	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	2.42	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	05/22/23**			ND	20.1	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	1.75	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	10/5/2023***			ND	28.7	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	1.33	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	05/20/24			ND	14.6	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	1.16	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	10/02/24			ND	18.2	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	1.61	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	05/12/25			ND	27	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	1.82	ND	ND	NT	ND
1,1-Dichloroethane	µg/L	10/14/25			ND	21.4	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	2.82	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
1,1-Dichloroethane	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,1-Dichloroethane	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,1-Dichloroethane	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,1-Dichloroethane	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,1-Dichloroethane	µg/L	05/27/26			ND	14.4	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,2-Dichloropropane	µg/L	04/24/08	1	5	ND	5.3	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	05/22/08		(5)	ND	6.4	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	05/22/08			ND	6.4 (6.2)	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	04/27/09			ND	5.6	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	10/26/09			ND	4.9 (5)	ND	NT	ND (ND)	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
1,2-Dichloropropane	µg/L	12/17/09			ND	5.7 (4.8)	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	04/13/10			ND	5.9	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	07/09/10			NT	6.4	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	10/18/10			ND	5.8	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	05/10/11			ND	4.9	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	10/19/11			ND	4.8	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	04/24/12			ND	5.3	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
1,2-Dichloropropane	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
1,2-Dichloropropane	µg/L	10/25/12*			ND	5.1	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
1,2-Dichloropropane	µg/L	05/07/13			Dry	5.1	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
1,2-Dichloropropane	µg/L	11/11/13			ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
1,2-Dichloropropane	µg/L	05/13/14			Dry	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
1,2-Dichloropropane	µg/L	11/12/14			ND	4.6	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
1,2-Dichloropropane	µg/L	05/27/15			ND	4.7	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
1,2-Dichloropropane	µg/L	11/18/15			ND	4.4	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
1,2-Dichloropropane	µg/L	06/16/16			ND	3.7	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
1,2-Dichloropropane	µg/L	11/16/16			ND	3.1	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	05/30/17			ND	3.0	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	11/21/17			ND	3.1	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	05/31/18			ND	2.8	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	10/31/18			ND	2.9	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	05/28/19			ND	2.2	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	10/15/19			ND	2.3	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	06/03/20	1	5	ND	1.99	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	10/07/20		(5)	ND	1.89	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	05/03/21			ND	1.33	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	11/09/21			ND	1.76	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	µg/L	05/17/22			ND	1.47	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	10/17/22			ND	1.66	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	05/22/23**			ND	1.35	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	10/5/2023***			ND	1.81	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	05/20/24			ND	1.02	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	10/02/24			ND	1.17	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	05/12/25			ND	1.75	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	µg/L	10/14/25			ND	1.41	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
1,2-Dichloropropane	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,2-Dichloropropane	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,2-Dichloropropane	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,2-Dichloropropane	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
1,2-Dichloropropane	µg/L	05/27/26			ND	1.17	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Benzene	µg/L	04/24/08	1	5	ND	2.6	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	µg/L	05/22/08		(5)	ND	2.6	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	µg/L	04/27/09			ND	2.0	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
Benzene	µg/L	10/26/09			ND	1.8 (1.9)	ND	NT	ND (ND)	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND
Benzene	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
Benzene	µg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	04/13/10			ND	2.7	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	07/09/10			NT	2.1	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND
Benzene	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	05/10/11			ND	1.7	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	10/19/11			ND	1.1	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	3.4	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Benzene	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Benzene	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Benzene	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Benzene	µg/L	11/11/13			ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Benzene	µg/L	05/13/14			Dry	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Benzene	µg/L	11/12/14			ND	1.2	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Benzene	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Benzene	µg/L	05/27/15			ND	1.2	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Benzene	µg/L	11/18/15			ND	1.3	ND	NT	ND	ND	sealed	2.3	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Benzene	µg/L	06/16/16			ND	1.2	ND	NT	ND	ND	sealed	2.1	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Benzene	µg/L	11/16/16			ND	1.2	ND	NT	ND	ND	sealed	1.3	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	05/30/17			ND	1.1	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	1.3	ND	ND	ND	NT	ND
Benzene	µg/L	11/21/17			ND	1.4	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	05/31/18			ND	1.6	ND	NT	ND	ND	sealed	1.6	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	10/31/18			ND	1.6	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	05/28/19			ND	1.8	ND	NT	ND	ND	sealed	3.5	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Benzene	µg/L	10/15/19			ND	1.7	ND	NT	ND	ND	sealed	1.4	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	06/03/20			ND	1.44	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Benzene	µg/L	10/07/20			ND	1.63	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
Benzene	µg/L	05/03/21			ND	1.57	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	11/09/21			ND	2.1	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Benzene	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Benzene	µg/L	05/17/22			ND	1.88	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	10/17/22			ND	1.75	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	05/22/23**			ND	2.63	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	10/5/2023***			ND	2.29	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Benzene	µg/L	05/20/24			ND	2.94	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Benzene	µg/L	10/02/24			ND	1.38	ND	Sealed	ND	ND	Sealed	1.15	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Benzene	µg/L	05/12/25			ND	1.42	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Benzene	µg/L	10/14/25			ND	1.28	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Benzene	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Benzene	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Benzene	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Benzene	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Benzene	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	NT	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Benzene	µg/L	05/27/26			ND	1.79	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Benzene	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Bromomethane	µg/L	04/24/08	1	NE	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Bromomethane	µg/L	05/22/08		(10)	ND	ND	1.1	1.3	1.5	1.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Bromomethane	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Bromomethane	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Bromomethane	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Bromomethane	µg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
Bromomethane	µg/L	10/26/09			ND	ND (ND)	ND	NT	ND (ND)	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
Bromomethane	µg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Bromomethane	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Bromomethane	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Bromomethane	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Bromomethane	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Bromomethane	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Bromomethane	µg/L	11/12/14	1	NE	ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Bromomethane	µg/L	03/18/15		(10)	NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Bromomethane	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Bromomethane	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Bromomethane	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Bromomethane	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	06/03/20	*2.5*		ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	05/03/21			ND	ND	ND	ND	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Bromomethane	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Bromomethane	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Bromomethane	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Bromomethane	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Bromomethane	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Bromomethane	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Bromomethane	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Bromomethane	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Bromomethane	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Chloroethane	µg/L	04/24/08	1	NE	ND	22	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Chloroethane	µg/L	05/22/08		(2,800)	ND	29 (25)	ND	ND	3.6	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
Chloroethane	µg/L	06/18/08			ND	23	ND	ND	4.5	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Chloroethane	µg/L	08/13/08			ND	47	ND	ND	5	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Chloroethane	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Chloroethane	µg/L	04/27/09			ND	26	ND	NT	3.1	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
Chloroethane	µg/L	10/26/09			ND	34 (61)	ND	NT	2.9 (3.5)	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Chloroethane	µg/L	11/23/09			NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	9.8	ND	NT	NT	NT	NT
Chloroethane	µg/L	12/17/09			ND	24 (24)	ND	NT	(1.9) 1.6	ND	ND	ND	ND	ND	ND	2.9	ND	NT	NT	NT	ND
Chloroethane	µg/L	04/13/10			ND	62	ND	NT	4.0	ND	ND	ND	ND	ND	ND	7.9	5.9	NT	NT	NT	ND
Chloroethane	µg/L	05/18/10			NT	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	3.6	1.5	NT	NT	NT	ND
Chloroethane	µg/L	06/21/10			NT	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	5.2	ND	NT	NT	NT	ND
Chloroethane	µg/L	07/09/10			NT	24	ND	NT	2.2	NT	NT	ND	NT	NT	NT	4.3	ND	NT	NT	NT	ND
Chloroethane	µg/L	08/18/10			NT	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	4	ND	NT	NT	NT	ND
Chloroethane	µg/L	10/18/10			ND	20	ND	NT	1.4	ND	ND	ND	ND	ND	ND	3.6	ND	NT	NT	NT	ND
Chloroethane	µg/L	05/10/11			ND	21	ND	NT	1.4	ND	ND	ND	ND	ND	ND	4.4	ND	NT	NT	NT	ND
Chloroethane	µg/L	10/19/11			ND	18	ND	NT	ND	ND	ND	ND	ND	ND	ND	4.1	ND	NT	NT	NT	ND
Chloroethane	µg/L	04/24/12			ND	38	ND	NT	1.1	ND	ND	ND	ND	ND	ND	6.4	1.0	NT	NT	NT	ND
Chloroethane	µg/L	08/06/12			NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Chloroethane	µg/L	10/25/12*			ND	23	ND	NT	ND	ND	ND	dry	ND	ND	ND	4.2	ND	ND	NT	NT	NT
Chloroethane	µg/L	05/07/13			Dry	21	ND	NT	1.9	ND	ND	ND	ND	ND	ND	5.1	2.9	ND	NT	NT	ND
Chloroethane	µg/L	11/11/13			ND	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3	ND	ND	NT	NT	ND
Chloroethane	µg/L	05/13/14			Dry	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	NT	NT	ND
Chloroethane	µg/L	11/12/14			ND	29	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Chloroethane	µg/L	03/18/15			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Chloroethane	µg/L	05/27/15			ND	27	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	5.6	ND	ND	ND	NT	ND
Chloroethane	µg/L	08/20/15			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Chloroethane	µg/L	11/18/15			ND	33	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	5	1.1	ND	ND	NT	ND
Chloroethane	µg/L	04/25/16			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Chloroethane	µg/L	06/16/16			ND	32	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	6.4	ND	ND	ND	NT	ND
Chloroethane	µg/L	08/17/16			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Chloroethane	µg/L	11/16/16			ND	35	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	5.3	ND	ND	ND	NT	ND
Chloroethane	µg/L	05/30/17			ND	25	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	5.1	ND	ND	ND	NT	ND
Chloroethane	µg/L	11/21/17			ND	27	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	2.7	ND	ND	ND	NT	ND
Chloroethane	µg/L	05/31/18			ND	21	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	4.4	ND	ND	ND	NT	ND
Chloroethane	µg/L	10/31/18	*2.5*	NE	ND	28	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	5.2	ND	ND	ND	NT	ND
Chloroethane	µg/L	05/28/19		(2,800)	ND	24	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Chloroethane	µg/L	10/15/19			ND	29	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Chloroethane	µg/L	06/03/20			ND	17.5	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	3	ND	ND	ND	NT	ND
Chloroethane	µg/L	10/07/20			ND	18.3	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	4.12	ND	ND	ND	NT	ND
Chloroethane	µg/L	05/03/21			ND	14.2	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	5.32	ND	ND	ND	NT	ND
Chloroethane	µg/L	11/09/21			ND	18.8	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	7.7	ND	ND	ND	NT	ND
Chloroethane	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Chloroethane	µg/L	05/17/22			ND	18.4	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	5.62	ND	ND	ND	NT	ND
Chloroethane	µg/L	10/17/22			ND	23.9	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	7.07	ND	ND	ND	NT	ND
Chloroethane	µg/L	05/22/23**			ND	11.8	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	4.51	ND	ND	ND	NT	ND
Chloroethane	µg/L	10/5/2023***			ND	13.8	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	4.02	ND	ND	ND	NT	ND
Chloroethane	µg/L	05/20/24			ND	9.2	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	3.18	ND	ND	ND	NT	ND
Chloroethane	µg/L	10/02/24			ND	8.82	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	2.63	ND	ND	ND	NT	ND
Chloroethane	µg/L	05/12/25			ND	13.7	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	3.41	ND	ND	ND	NT	ND
Chloroethane	µg/L	10/14/25			ND	9.75	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	2.84	ND	ND	ND	ND	ND
Chloroethane	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Chloroethane	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Chloroethane	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Chloroethane	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Chloroethane	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Chloroethane	µg/L	05/27/26			ND	11.5	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	3.86	ND	ND	ND	ND	ND
Chloroethane	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Iodomethane	µg/L	04/24/08	1	NE	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Iodomethane	µg/L	05/22/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Iodomethane	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Iodomethane	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Iodomethane	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Iodomethane	µg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
Iodomethane	µg/L	10/26/09			ND	ND (ND)	ND	NT	ND (ND)	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	11/23/09			NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
Iodomethane	µg/L	12/17/09	1	NE	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	05/18/10			NT	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	06/21/10			NT	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	07/09/10			NT	ND	ND	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	08/18/10			NT	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Iodomethane	µg/L	08/06/12			NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Iodomethane	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Iodomethane	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Iodomethane	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Iodomethane	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
Iodomethane	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Iodomethane	µg/L	03/18/15			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Iodomethane	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	08/20/15			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Iodomethane	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	04/25/16			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Iodomethane	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	08/17/16			NT	NT	ND	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Iodomethane	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	06/03/20	*10*		ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	05/03/21			ND	ND	ND	ND	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Iodomethane	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Iodomethane	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Iodomethane	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Iodomethane	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Iodomethane	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Iodomethane	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Iodomethane	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Iodomethane	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Iodomethane	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Methylene chloride	µg/L	04/24/08	1	5	ND	2.4	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Methylene chloride	µg/L	05/22/08		(5)	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Methylene chloride	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Methylene chloride	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Methylene chloride	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Methylene chloride	µg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
Methylene chloride	µg/L	10/26/09			ND	1.5 (ND)	ND	NT	ND (ND)	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
Methylene chloride	µg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	10/18/10			ND	2.3	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	05/10/11			ND	1.2	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	10/19/11			ND	1.1	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	04/24/12			ND	2.2	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Methylene chloride	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Methylene chloride	µg/L	10/25/12*			ND	2.1	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Methylene chloride	µg/L	05/07/13			Dry	2.1	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Methylene chloride	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Methylene chloride	µg/L	05/13/14			Dry	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Methylene chloride	µg/L	11/12/14			ND	1.5	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Methylene chloride	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Methylene chloride	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Methylene chloride	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Methylene chloride	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Methylene chloride	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	6.9	ND	ND	ND	NT	ND
Methylene chloride	µg/L	09/04/18			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	ND	NT	NT	NT	NT	NT
Methylene chloride	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	06/03/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	05/03/21			ND	ND	ND	ND	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
Methylene chloride	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	05/20/24	1	5	ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	10/02/24		(5)	ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Methylene chloride	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Methylene chloride	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Methylene chloride	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Methylene chloride	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Methylene chloride	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Methylene chloride	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Methylene chloride	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Methylene chloride	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Trichloroethene	µg/L	04/24/08	1	5	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Trichloroethene	µg/L	05/22/08		(5)	ND	1.2	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Trichloroethene	µg/L	06/18/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Trichloroethene	µg/L	08/13/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Trichloroethene	µg/L	09/24/08			ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Trichloroethene	µg/L	04/27/09			ND	ND	ND	NT	ND	ND	ND	9.8	ND	ND	ND	NT	NT	NT	NT	NT	ND
Trichloroethene	µg/L	10/26/09			ND	ND (ND)	ND	NT	ND (ND)	ND	ND	8.2	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
Trichloroethene	µg/L	12/17/09			ND	ND	ND	NT	ND	ND	ND	11	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	04/13/10			ND	ND	ND	NT	ND	ND	ND	7.6	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	7	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	10	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	07/09/10			NT	ND	NT	NT	ND	NT	NT	10	NT	NT	NT	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	8.8	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	12	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	4.5	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	18	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	14	ND	ND	ND	ND	ND	NT	NT	NT	ND
Trichloroethene	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Trichloroethene	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Trichloroethene	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	NT	NT	ND
Trichloroethene	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	NT	NT	ND
Trichloroethene	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	NT	NT	ND
Trichloroethene	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	sealed	13	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Trichloroethene	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Trichloroethene	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	13	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Trichloroethene	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	15	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Trichloroethene	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	8.1	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Trichloroethene	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	10	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	6.7	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	8.8	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	3.7	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	6.5	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	3.4	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	5.3	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	06/03/20			ND	ND	ND	NT	ND	ND	sealed	4.38	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	5.06	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	05/03/21			ND	ND	ND	NT	ND	ND	sealed	4.49	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	6.41	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Trichloroethene	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	6.19	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	7.01	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	3.88	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	5.05	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	2.85	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	4.07	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	3.02	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Trichloroethene	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	2.69	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Trichloroethene	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Trichloroethene	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Trichloroethene	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Trichloroethene	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Trichloroethene	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	2.62	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Vinyl chloride	µg/L	04/24/08	1	2	ND	62	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Vinyl chloride	µg/L	05/22/08		(2)	ND	72 (72)	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Vinyl chloride	µg/L	06/18/08			ND	72	ND	ND	2.3	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Vinyl chloride	µg/L	08/13/08			ND	55	ND	ND	1.2	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Vinyl chloride	µg/L	09/24/08			ND	52	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
Vinyl chloride	µg/L	04/27/09			ND	68	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
Vinyl chloride	µg/L	10/26/09			ND	92 (67)	ND	NT	ND (ND)	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
Vinyl chloride	µg/L	12/17/09			ND	39 (29)	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	04/13/10			ND	79	ND	NT	ND	ND	ND	ND	ND	ND	ND	1.8	2.3	NT	NT	NT	ND
Vinyl chloride	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	1	1.4	NT	NT	NT	ND
Vinyl chloride	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	07/09/10			NT	49	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	10/18/10			ND	40	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	05/10/11			ND	41	ND	NT	ND	ND	ND	ND	ND	ND	ND	2.5	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	10/19/11			ND	29	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	04/24/12			ND	56	ND	NT	ND	ND	ND	ND	ND	ND	ND	2.6	ND	NT	NT	NT	ND
Vinyl chloride	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Vinyl chloride	µg/L	10/25/12*			ND	81	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Vinyl chloride	µg/L	05/07/13			Dry	68	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	NT	NT	ND
Vinyl chloride	µg/L	11/11/13			ND	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	NT	NT	ND
Vinyl chloride	µg/L	12/12/13			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND
Vinyl chloride	µg/L	05/13/14			Dry	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	1	NT	NT	ND
Vinyl chloride	µg/L	11/12/14			ND	19	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Vinyl chloride	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Vinyl chloride	µg/L	05/27/15			ND	33	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Vinyl chloride	µg/L	11/18/15			ND	30	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Vinyl chloride	µg/L	06/16/16			ND	34	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Vinyl chloride	µg/L	11/16/16	1	2	ND	56	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	05/30/17		(2)	ND	49	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	11/21/17			ND	52	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	05/31/18			ND	44	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	10/31/18			ND	34	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	05/28/19			ND	36	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	10/15/19			ND	28	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	06/03/20			ND	36	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	10/07/20			ND	24.3	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	05/03/21			ND	20.8	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	11/09/21			ND	29.4	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Vinyl chloride	µg/L	05/17/22			ND	18.4	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	10/17/22			ND	34.4	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	05/22/23**			ND	24.3	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	10/5/2023***			ND	22.8	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	05/20/24			ND	9.67	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	10/02/24			ND	16.4	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	05/12/25			ND	25.1	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Vinyl chloride	µg/L	10/14/25			ND	20.4	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Vinyl chloride	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Vinyl chloride	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Vinyl chloride	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Vinyl chloride	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Vinyl chloride	µg/L	05/27/26			ND	11.9	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
cis-1,2-Dichloroethene	µg/L	04/24/08	1	70	ND	170	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	05/22/08		(70)	ND	190 (200)	ND	ND	1.2	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	06/18/08			ND	210	ND	ND	3.6	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	08/13/08			ND	190	ND	ND	2.5	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	09/24/08			ND	190	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	04/27/09			ND	180	ND	NT	ND	ND	ND	3.6	ND	ND	ND	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	10/26/09			ND	120 (150)	ND	NT	ND (ND)	ND	ND	4.5	ND	ND	ND	ND	ND	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
cis-1,2-Dichloroethene	µg/L	12/17/09			ND	170 (160)	ND	NT	ND	ND	ND	3.9	ND	ND	ND	ND	ND	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	04/13/10			ND	130	ND	NT	ND	ND	ND	2.9	ND	ND	ND	ND	2.8	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	2.6	ND	ND	ND	ND	3.7	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	4.1	ND	ND	ND	ND	2.2	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	07/09/10			NT	180	NT	NT	1.2	NT	NT	4.5	NT	NT	NT	ND	2.1	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	3.6	ND	ND	ND	ND	1.5	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	10/18/10			ND	160	ND	NT	ND	ND	ND	5.0	ND	ND	ND	ND	ND	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	05/10/11			ND	110	ND	NT	ND	ND	ND	1.5	ND	ND	ND	ND	3	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	10/19/11			ND	150	ND	NT	ND	ND	ND	9	ND	ND	ND	ND	ND	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	04/24/12			ND	170	ND	NT	ND	ND	ND	7.8	ND	ND	ND	ND	ND	NT	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
cis-1,2-Dichloroethene	µg/L	10/25/12*			ND	120	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
cis-1,2-Dichloroethene	µg/L	05/07/13			Dry	130	ND	NT	ND	ND	ND	4.2	ND	ND	ND	ND	2.8	ND	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	11/11/13			ND	12	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND	ND	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	05/13/14			Dry	44	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND	ND	NT	NT	ND
cis-1,2-Dichloroethene	µg/L	11/12/14			ND	27	ND	NT	ND	ND	sealed	4.8	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
cis-1,2-Dichloroethene	µg/L	05/27/15			ND	55	ND	NT	ND	ND	sealed	5.1	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	11/18/15			ND	54	ND	NT	ND	ND	sealed	4.8	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	06/16/16			ND	16	ND	NT	ND	ND	sealed	1.9	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	11/16/16			ND	19	ND	NT	ND	ND	sealed	3.2	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	05/30/17			ND	12	ND	NT	ND	ND	sealed	2.8	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	11/21/17			ND	36	ND	NT	ND	ND	sealed	3.7	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	04/12/18			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethene	µg/L	05/31/18			ND	35	ND	NT	1	ND	sealed	2.3	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	10/31/18			ND	42	ND	NT	ND	ND	sealed	3.4	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	05/28/19			ND	18	ND	NT	ND	ND	sealed	2	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	10/15/19			ND	24	ND	NT	ND	ND	sealed	3.3	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	06/03/20			ND	23.2	ND	NT	ND	ND	sealed	2.64	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	10/07/20			ND	28.3	ND	NT	ND	ND	sealed	3.93	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	05/03/21			ND	8.42	ND	NT	ND	ND	sealed	3.15	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	11/09/21			ND	19.8	ND	NT	ND	ND	sealed	3.96	sealed	Inaccessible	Inaccessible	ND	1.05	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethene	µg/L	05/17/22			ND	24.9	ND	sealed	ND	ND	sealed	3.18	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	10/17/22			ND	23.6	ND	sealed	ND	ND	sealed	4.15	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	05/22/23**			ND	16.2	ND	sealed	ND	ND	sealed	2.06	sealed	ND	ND	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	10/5/2023***			ND	38	ND	Sealed	ND	ND	Sealed	2.63	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	05/20/24			ND	13.9	ND	Sealed	ND	ND	Sealed	1.16	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	10/02/24			ND	22.6	ND	Sealed	ND	ND	Sealed	2.1	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	05/12/25			ND	30.2	ND	Sealed	ND	ND	Sealed	1.35	Sealed	ND	ND	ND	1.31	ND	ND	NT	ND
cis-1,2-Dichloroethene	µg/L	10/14/25			ND	26.5	ND	Sealed	ND	ND	Sealed	2.35	Sealed	Inaccessible	Sealed	ND	2.31	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
cis-1,2-Dichloroethene	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
cis-1,2-Dichloroethene	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
cis-1,2-Dichloroethene	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
cis-1,2-Dichloroethene	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
cis-1,2-Dichloroethene	µg/L	05/27/26			ND	12.1	ND	Sealed	ND	ND	Sealed	1.0	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
trans-1,2-Dichloroethene	µg/L	04/24/08	1	100	ND	9.7	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	05/22/08		(100)	ND	9.4 (9.3)	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	06/18/08			ND	8.9	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	08/13/08			ND	8	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	09/24/08			ND	8.0	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	04/27/09			ND	8.8	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	10/26/09			ND	8 (8.3)	ND	NT	ND (ND)	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	11/23/09			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT
trans-1,2-Dichloroethene	µg/L	12/17/09			ND	7.7 (6.8)	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	04/13/10			ND	7.3	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	05/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	06/21/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	07/09/10			NT	8.8	NT	NT	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	08/18/10			NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	10/18/10			ND	6.8	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	05/10/11	1	100	ND	7.9	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	10/19/11		(100)	ND	8.4	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	04/24/12			ND	11	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
trans-1,2-Dichloroethene	µg/L	10/25/12*			ND	7.2	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
trans-1,2-Dichloroethene	µg/L	05/07/13			Dry	9	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	11/11/13			ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	05/13/14			Dry	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
trans-1,2-Dichloroethene	µg/L	11/12/14			ND	7.2	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	05/27/15			ND	8.8	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	11/18/15			ND	8.4	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	06/16/16			ND	5.3	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	11/16/16			ND	5.3	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	05/30/17			ND	3.5	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	11/21/17			ND	5	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	05/31/18			ND	5.2	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	10/31/18			ND	6.4	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	05/28/19			ND	4.4	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	10/15/19			ND	4.4	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	06/03/20			ND	4.95	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	10/07/20			ND	4.34	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	05/03/21			ND	2.86	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	11/09/21			ND	3.78	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
trans-1,2-Dichloroethene	µg/L	05/17/22			ND	4.32	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	10/17/22			ND	4.39	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
trans-1,2-Dichloroethene	µg/L	05/22/23**			ND	2.27	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	10/5/2023***			ND	4.18	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	05/20/24			ND	1.95	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	10/02/24			ND	2.57	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	05/12/25			ND	3.88	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,2-Dichloroethene	µg/L	10/14/25			ND	3.18	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
trans-1,2-Dichloroethene	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
trans-1,2-Dichloroethene	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
trans-1,2-Dichloroethene	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
trans-1,2-Dichloroethene	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
trans-1,2-Dichloroethene	µg/L	05/27/26			ND	2.06	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Acetone	µg/L	04/13/10	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acetone	µg/L	08/18/10		(6,300)	NT	NT	NT	NT	NT	NT	7.4	ND	ND	ND	ND	ND	ND	NT	NT	NT	7.1
Acetone	µg/L	10/18/10			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acetone	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acetone	µg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acetone	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acetone	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Acetone	µg/L	10/25/12			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Acetone	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Acetone	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Acetone	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Acetone	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Acetone	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Acetone	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Acetone	µg/L	11/18/15			ND	ND	65	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Acetone	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Acetone	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	71	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Acetone	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	06/03/20	*25*		ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Acetone	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Acetone	µg/L	05/03/21			ND	ND	ND	ND	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Acetone	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Acetone	µg/L	05/17/22			ND	85.2	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	05/22/23**			ND	48.5	92.9	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Acetone	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Acetone	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Acetone	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Acetone	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Acetone	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	40.8	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Acetone	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Acetone	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Acetone	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Acetone	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Acetone	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Acetone	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Acetone	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
2-Butanone (MEK)	µg/L	04/13/10	1	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
2-Butanone (MEK)	µg/L	10/18/10		(4,000)	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
2-Butanone (MEK)	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
2-Butanone (MEK)	µg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
2-Butanone (MEK)	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
2-Butanone (MEK)	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
2-Butanone (MEK)	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
2-Butanone (MEK)	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
2-Butanone (MEK)	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
2-Butanone (MEK)	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
2-Butanone (MEK)	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
2-Butanone (MEK)	µg/L	05/27/15	1		ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
2-Butanone (MEK)	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
2-Butanone (MEK)	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
2-Butanone (MEK)	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
2-Butanone (MEK)	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	06/03/20	*10*		ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	05/03/21			ND	ND	ND	ND	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
2-Butanone (MEK)	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
2-Butanone (MEK)	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
2-Butanone (MEK)	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
2-Butanone (MEK)	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
2-Butanone (MEK)	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
2-Butanone (MEK)	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
2-Butanone (MEK)	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Toluene	µg/L	04/13/10	1	1,000	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Toluene	µg/L	10/18/10		(1,000)	ND	ND	ND	NT	ND	ND	1.8	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Toluene	µg/L	05/10/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Toluene	µg/L	10/19/11			ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Toluene	µg/L	04/24/12			ND	ND	ND	NT	ND	ND	13	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Toluene	µg/L	08/06/12			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Toluene	µg/L	10/25/12			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Toluene	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Toluene	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Toluene	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Toluene	µg/L	11/12/14			ND	1	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Toluene	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Toluene	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Toluene	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Toluene	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Toluene	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Toluene	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	06/03/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Toluene	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Toluene	µg/L	05/03/21			ND	ND	ND	ND	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Toluene	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Toluene	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Toluene	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Toluene	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Toluene	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Toluene	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Toluene	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Toluene	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Toluene	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Toluene	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Toluene	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Toluene	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	1.34	ND	1.49	ND
Toluene	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Ethylbenzene	µg/L	04/24/12	1	700	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Ethylbenzene	µg/L	08/06/12		(700)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Ethylbenzene	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Ethylbenzene	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Ethylbenzene	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Ethylbenzene	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Ethylbenzene	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
Ethylbenzene	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Ethylbenzene	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Ethylbenzene	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Ethylbenzene	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Ethylbenzene	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	06/03/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	05/03/21	1	700	ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	11/09/21		(700)	ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Ethylbenzene	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Ethylbenzene	µg/L	10/14/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Ethylbenzene	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Ethylbenzene	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Ethylbenzene	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Ethylbenzene	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Ethylbenzene	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Xylenes, Total	µg/L	04/24/12	3	10,000	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Xylenes, Total	µg/L	08/06/12		(10,000)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT
Xylenes, Total	µg/L	10/25/12*			ND	ND	ND	NT	ND	ND	ND	dry	ND	ND	ND	ND	ND	ND	NT	NT	NT
Xylenes, Total	µg/L	05/07/13			Dry	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Xylenes, Total	µg/L	11/11/13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Xylenes, Total	µg/L	05/13/14			Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Xylenes, Total	µg/L	11/12/14			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	frozen	frozen	ND	ND	NT	ND
Xylenes, Total	µg/L	03/18/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Xylenes, Total	µg/L	05/27/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	08/20/15			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Xylenes, Total	µg/L	11/18/15			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	04/25/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Xylenes, Total	µg/L	06/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	08/17/16			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	NT	NT	NT	NT	NT	ND	NT	ND
Xylenes, Total	µg/L	11/16/16			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	05/30/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	11/21/17			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	05/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	10/31/18			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	05/28/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	10/15/19			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	06/03/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	ND	Inaccessible	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	10/07/20			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	05/03/21			ND	ND	ND	ND	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	11/09/21			ND	ND	ND	NT	ND	ND	sealed	ND	sealed	Inaccessible	Inaccessible	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	01/13/22			NT	NT	NT	NT	NT	NT	sealed	NT	sealed	ND	ND	NT	NT	NT	NT	NT	NT
Xylenes, Total	µg/L	05/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	10/17/22			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	05/22/23**			ND	ND	ND	sealed	ND	ND	sealed	ND	sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	10/5/2023***			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	05/20/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	NT	NT	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	10/02/24			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	NT	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	05/12/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND	NT	ND
Xylenes, Total	µg/L	10/04/25			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	Inaccessible	Sealed	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	11/24/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	ND	Sealed	NT	NT	NT	NT	ND	ND
Xylenes, Total	µg/L	12/22/25			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Xylenes, Total	µg/L	01/21/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Xylenes, Total	µg/L	03/03/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Xylenes, Total	µg/L	04/15/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND
Xylenes, Total	µg/L	05/27/26			ND	ND	ND	Sealed	ND	ND	Sealed	ND	Sealed	ND	Sealed	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	07/08/26			NT	NT	NT	Sealed	NT	NT	Sealed	NT	Sealed	NT	Sealed	NT	NT	NT	NT	ND	ND

Notes:

[1] Detection monitoring parameters per Appendix I of Chapter 567-113.15

[2] Maximum Contaminant Level (MCL), as promulgated by US EPA.

Table 7 - Semi-Annual Detection Monitoring VOC Detection Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Detection Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	MW-11A	MW-12A	MW-13A	MW-18A	MW-19A	MW-21A	MW-22	MW-23A	MW-29	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	Blank
Iowa Groundwater Protection Standard or GWPS for a protected groundwater sources listed below MCL in (parentheses)																					

( ) results in parenthesis represent second run with diluted sample, or duplicate sample for that event

RL = Reporting limit

NE = Not established; No MCL for parameter

ND = Not detected at or above laborartory reporting limit

NT = Not tested, sampling either not required, well not yet installed, or insufficient well volume

Blank = Field blank or trip blank; QA/QC sample.

Highlighted result above water quality standard

* = GW Holding Pond Data collected on 12/4/12

** = Samples MW-12A, MW-13A, MW-21A, MW-23A, MW-37A collected on 6/8/2023 due to 5/22/23 samples being lost in shipping to laboratory

*** = Samples for MW-38A collected on 10/23/2023

Table 8 - Assessment Monitoring Parameters Summary - IAC Chapter 113 Appendix II

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
Organochlorine Pesticides	µg/L	10/26/2009			ND	ND	ND	NT	NT	NT	NT	NT	ND
Organochlorine Pesticides	µg/L	12/17/2009			ND	ND	ND	NT	NT	NT	NT	NT	NT
Organochlorine Pesticides	µg/L	7/9/2010			ND	ND	ND	NT	ND	NT	ND	ND	NT
Organochlorine Pesticides	µg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT
Organochlorine Pesticides	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Organochlorine Pesticides	µg/L	10/19/2011			NT	NT	NT	ND	NT	ND	NT	NT	NT
4,4'-DDD	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4,4'-DDD	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4,4'-DDD	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4,4'-DDE	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4,4'-DDE	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4,4'-DDE	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4,4'-DDT	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4,4'-DDT	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4,4'-DDT	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Aldrin	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aldrin	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aldrin	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
alpha-BHC	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
alpha-BHC	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
alpha-BHC	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
alpha-Chlordane	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
alpha-Chlordane	µg/L	5/3/2021			--	0.17	ND	--	ND	--	ND	ND	NT
alpha-Chlordane	µg/L	11/9/2021			--	ND	NT	--	NT	--	NT	NT	NT
alpha-Chlordane	µg/L	10/17/2022			--	ND	NT	--	NT	--	NT	NT	NT
alpha-Chlordane	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
beta-BHC	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
beta-BHC	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
beta-BHC	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Chlordane	µg/L	6/16/2016	0.5	2	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Chlordane	µg/L	5/3/2021		(2)	--	3.11	ND	--	ND	--	ND	ND	NT
Chlordane	µg/L	6/22/2021			--	ND	NT	--	NT	--	NT	NT	NT
Chlordane	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
delta-BHC	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
delta-BHC	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
delta-BHC	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Dieldrin	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Dieldrin	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Dieldrin	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Endosulfan I	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Endosulfan I	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Endosulfan I	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Endosulfan II	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Endosulfan II	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Endosulfan II	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Endosulfan sulfate	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Endosulfan sulfate	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Endosulfan sulfate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Endrin	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Endrin	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Endrin	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Endrin aldehyde	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Endrin aldehyde	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Endrin aldehyde	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
gamma-BHC (Lindane)	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
gamma-BHC (Lindane)	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
gamma-BHC (Lindane)	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Heptachlor	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Heptachlor	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Heptachlor	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Heptachlor epoxide	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Heptachlor epoxide	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Heptachlor epoxide	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Methoxychlor	µg/L	6/16/2016	0.05	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Methoxychlor	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Methoxychlor	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Toxaphene	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Toxaphene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT

Table 8 - Assessment Monitoring Parameters Summary - IAC Chapter 113 Appendix II

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
Toxaphene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Herbicides	µg/L	10/26/2009			ND	ND	ND	NT	NT	NT	NT	NT	ND
Herbicides	µg/L	5/22/2008			ND	6.4	ND	NT	NT	NT	NT		ND
Herbicides	µg/L	12/17/2009			ND	ND	ND	NT	NT	NT	NT	NT	NT
Herbicides	µg/L	7/9/2010			ND	ND	ND	NT	ND	NT	ND	ND	NT
Herbicides	µg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT
Herbicides	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Herbicides	µg/L	10/19/2011			NT	NT	NT	ND	NT	ND	NT	NT	NT
2,4,5-T	µg/L	6/16/2016	0.51	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4,5-T	µg/L	5/3/2021	2		--	ND	ND	--	ND	--	ND	ND	NT
2,4,5-T	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,4-D	µg/L	6/16/2016	0.51	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4-D	µg/L	5/3/2021	2		--	ND	ND	--	ND	--	ND	ND	NT
2,4-D	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Silvex (2,4,5-TP)	µg/L	6/16/2016	0.51	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Silvex (2,4,5-TP)	µg/L	5/3/2021	2		--	ND	ND	--	ND	--	ND	ND	NT
Silvex (2,4,5-TP)	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Polychlorinated Bihenyls (PCBs)	µg/L	10/26/2009			ND	ND	ND	NT	NT	NT	NT	NT	ND
Polychlorinated Bihenyls (PCBs)	µg/L	12/17/2009			ND	ND	ND	NT	NT	NT	NT	NT	NT
Polychlorinated Bihenyls (PCBs)	µg/L	7/9/2010			ND	ND	ND	NT	ND	NT	ND	ND	NT
Polychlorinated Bihenyls (PCBs)	µg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT
Polychlorinated Bihenyls (PCBs)	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Polychlorinated Bihenyls (PCBs)	µg/L	10/19/2011			NT	NT	NT	ND	NT	ND	NT	NT	NT
Aroclor 1016	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aroclor 1016	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1016	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1221	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aroclor 1221	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1221	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1232	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aroclor 1232	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1232	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1242	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aroclor 1242	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1242	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1248	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aroclor 1248	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1248	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1254	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aroclor 1254	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1254	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1260	µg/L	6/16/2016	0.5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Aroclor 1260	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Aroclor 1260	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Semi-Volatile Organic Compounds	µg/L	10/26/2009			ND	ND	ND	NT	NT	NT	NT	NT	ND
Semi-Volatile Organic Compounds	µg/L	12/17/2009			ND	ND	ND	NT	NT	NT	NT	NT	NT
Semi-Volatile Organic Compounds	µg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT
Semi-Volatile Organic Compounds	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Semi-Volatile Organic Compounds	µg/L	10/19/2011			NT	NT	NT	ND	NT	ND	NT	NT	NT
1,2,4,5-Tetrachlorobenzene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
1,2,4,5-Tetrachlorobenzene	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
1,2,4,5-Tetrachlorobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1,2,4-Trichlorobenzene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
1,2,4-Trichlorobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
1,2,4-Trichlorobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1,3,5-Trinitrobenzene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
1,3,5-Trinitrobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
1,3,5-Trinitrobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1,3-Dichlorobenzene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
1,3-Dichlorobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
1,3-Dichlorobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1,3-Dinitrobenzene	µg/L	6/16/2016	20	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
1,3-Dinitrobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
1,3-Dinitrobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1,4-Dichlorobenzene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
1,4-Dichlorobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
1,4-Dichlorobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1,4-Naphthoquinone	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT

Table 8 - Assessment Monitoring Parameters Summary - IAC Chapter 113 Appendix II

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Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
1,4-Naphthoquinone	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
1,4-Naphthoquinone	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1-Naphthylamine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
1-Naphthylamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
1-Naphthylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,2'-Oxybis(1-chloropropane)	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,2'-Oxybis(1-chloropropane)	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,2'-Oxybis(1-chloropropane)	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,3,4,6-Tetrachlorophenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,3,4,6-Tetrachlorophenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,3,4,6-Tetrachlorophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,4,5-Trichlorophenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4,5-Trichlorophenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,4,5-Trichlorophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,4,6-Trichlorophenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4,6-Trichlorophenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,4,6-Trichlorophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dichlorophenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4-Dichlorophenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dichlorophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dimethylphenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4-Dimethylphenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dimethylphenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dinitrophenol	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4-Dinitrophenol	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dinitrophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dinitrotoluene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,4-Dinitrotoluene	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,4-Dinitrotoluene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,6-Dichlorophenol	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,6-Dichlorophenol	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
2,6-Dichlorophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2,6-Dinitrotoluene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2,6-Dinitrotoluene	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2,6-Dinitrotoluene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Acetylaminofluorene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Acetylaminofluorene	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2-Acetylaminofluorene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Chloronaphthalene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Chloronaphthalene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
2-Chloronaphthalene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Chlorophenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Chlorophenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2-Chlorophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Methylnaphthalene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Methylnaphthalene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
2-Methylnaphthalene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Methylphenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Methylphenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2-Methylphenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Naphthylamine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Naphthylamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
2-Naphthylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Nitroaniline	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Nitroaniline	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
2-Nitroaniline	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Nitrophenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Nitrophenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
2-Nitrophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
2-Toluidine (o-Toluidine)	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
2-Toluidine (o-Toluidine)	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
2-Toluidine (o-Toluidine)	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
3,3'-Dichlorobenzidine	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT

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Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
3,3'-Dichlorobenzidine	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
3,3'-Dichlorobenzidine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
3,3'-Dimethylbenzidine	µg/L	6/16/2016	40	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
3,3'-Dimethylbenzidine	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
3,3'-Dimethylbenzidine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
3-Methylcholanthrene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
3-Methylcholanthrene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
3-Methylcholanthrene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
3-Methylphenol	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
3-Methylphenol	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
3-Methylphenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
3-Nitroaniline	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
3-Nitroaniline	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
3-Nitroaniline	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4,6-Dinitro-2-methylphenol	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4,6-Dinitro-2-methylphenol	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4,6-Dinitro-2-methylphenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Aminobiphenyl	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Aminobiphenyl	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4-Aminobiphenyl	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Bromophenyl phenyl ether	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Bromophenyl phenyl ether	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
4-Bromophenyl phenyl ether	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Chloro-3-methylphenol	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Chloro-3-methylphenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
4-Chloro-3-methylphenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Chloroaniline	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Chloroaniline	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
4-Chloroaniline	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Chlorophenyl phenyl ether	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Chlorophenyl phenyl ether	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
4-Chlorophenyl phenyl ether	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Methylphenol (p-Cresol)	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Methylphenol (p-Cresol)	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4-Methylphenol (p-Cresol)	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Nitroaniline	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Nitroaniline	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4-Nitroaniline	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
4-Nitrophenol	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
4-Nitrophenol	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
4-Nitrophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
5-Nitro-o-toluidine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
5-Nitro-o-toluidine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
5-Nitro-o-toluidine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
7,12-Dimethylbenz[a]anthracene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
7,12-Dimethylbenz[a]anthracene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
7,12-Dimethylbenz[a]anthracene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Acenaphthene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Acenaphthene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Acenaphthene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Acenaphthylene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Acenaphthylene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Acenaphthylene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Acetophenone	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Acetophenone	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Acetophenone	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Anthracene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Anthracene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Anthracene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Benzo[a]anthracene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Benzo[a]anthracene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Benzo[a]anthracene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Benzo[a]pyrene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Benzo[a]pyrene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Benzo[a]pyrene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Benzo[b]fluoranthene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT

Table 8 - Assessment Monitoring Parameters Summary - IAC Chapter 113 Appendix II

Dickinson Landfill - Spirit Lake, Iowa

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Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
Benzo[b]fluoranthene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Benzo[b]fluoranthene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Benzo[g,h,i]perylene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Benzo[g,h,i]perylene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Benzo[g,h,i]perylene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Benzo[k]fluoranthene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Benzo[k]fluoranthene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Benzo[k]fluoranthene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Benzyl alcohol	µg/L	6/16/2016	20	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Benzyl alcohol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Benzyl alcohol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Bis(2-chloroethoxy)methane	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Bis(2-chloroethoxy)methane	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Bis(2-chloroethoxy)methane	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Bis(2-chloroethyl)ether	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Bis(2-chloroethyl)ether	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Bis(2-chloroethyl)ether	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Bis(2-ethylhexyl) phthalate	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Bis(2-ethylhexyl) phthalate	µg/L	5/3/2021	3		--	ND	ND	--	ND	--	ND	ND	NT
Bis(2-ethylhexyl) phthalate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Butyl benzyl phthalate	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Butyl benzyl phthalate	µg/L	5/3/2021	3		--	ND	ND	--	ND	--	ND	ND	NT
Butyl benzyl phthalate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Chlorobenzilate	µg/L	6/16/2016	20	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Chlorobenzilate	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
Chlorobenzilate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Chrysene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Chrysene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Chrysene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Diallate	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Diallate	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Diallate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Dibenz[a,h]anthracene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Dibenz[a,h]anthracene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Dibenz[a,h]anthracene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Dibenzofuran	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Dibenzofuran	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Dibenzofuran	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Diethyl phthalate	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Diethyl phthalate	µg/L	5/3/2021	3		--	ND	ND	--	ND	--	ND	ND	NT
Diethyl phthalate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Dimethoate	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Dimethoate	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
Dimethoate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Dimethyl phthalate	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Dimethyl phthalate	µg/L	5/3/2021	3		--	ND	ND	--	ND	--	ND	ND	NT
Dimethyl phthalate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Di-n-butyl phthalate	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Di-n-butyl phthalate	µg/L	5/3/2021	3		--	ND	ND	--	ND	--	ND	ND	NT
Di-n-butyl phthalate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Di-n-octyl phthalate	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Di-n-octyl phthalate	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Di-n-octyl phthalate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Diphenylamine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Diphenylamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Diphenylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Disulfoton	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Disulfoton	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Disulfoton	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Ethyl methanesulfonate	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Ethyl methanesulfonate	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Ethyl methanesulfonate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Famphur	µg/L	6/16/2016	40	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Famphur	µg/L	5/3/2021	20		--	ND	ND	--	ND	--	ND	ND	NT
Famphur	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Fluoranthene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT

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Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
Fluoranthene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Fluoranthene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Fluorene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Fluorene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Fluorene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Hexachlorobenzene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Hexachlorobenzene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Hexachlorobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Hexachlorobutadiene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Hexachlorobutadiene	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Hexachlorobutadiene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Hexachlorocyclopentadiene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Hexachlorocyclopentadiene	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Hexachlorocyclopentadiene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Hexachloroethane	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Hexachloroethane	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Hexachloroethane	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Hexachloropropene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Hexachloropropene	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
Hexachloropropene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Indeno[1,2,3-cd]pyrene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Indeno[1,2,3-cd]pyrene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Indeno[1,2,3-cd]pyrene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Isodrin	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Isodrin	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Isodrin	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Isophorone	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Isophorone	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Isophorone	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Isosafrole	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Isosafrole	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Isosafrole	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Kepone	µg/L	6/16/2016	50	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Kepone	µg/L	5/3/2021	20		--	ND	ND	--	ND	--	ND	ND	NT
Kepone	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Methapyrilene	µg/L	6/16/2016	50	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Methapyrilene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Methapyrilene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Methyl methanesulfonate	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Methyl methanesulfonate	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
Methyl methanesulfonate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Naphthalene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Naphthalene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Naphthalene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Nitrobenzene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Nitrobenzene	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
Nitrobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodiethylamine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
N-Nitrosodiethylamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodiethylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodimethylamine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
N-Nitrosodimethylamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodimethylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodi-n-butylamine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
N-Nitrosodi-n-butylamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodi-n-butylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodi-n-propylamine	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
N-Nitrosodi-n-propylamine	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodi-n-propylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodiphenylamine	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
N-Nitrosodiphenylamine	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosodiphenylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosomethylethylamine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
N-Nitrosomethylethylamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosomethylethylamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosopiperidine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT

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Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
N-Nitrosopiperidine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosopiperidine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosopyrrolidine	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
N-Nitrosopyrrolidine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
N-Nitrosopyrrolidine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
O,O,O-Triethyl phosphorothioate	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
O,O,O-Triethyl phosphorothioate	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
O,O,O-Triethyl phosphorothioate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Parathion-ethyl	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Parathion-ethyl	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Parathion-ethyl	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Parathion-methyl	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Parathion-methyl	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Parathion-methyl	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
p-Dimethylamino azobenzene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
p-Dimethylamino azobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
p-Dimethylamino azobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Pentachlorobenzene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Pentachlorobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Pentachlorobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Pentachloronitrobenzene	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Pentachloronitrobenzene	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Pentachloronitrobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Pentachlorophenol	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Pentachlorophenol	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Pentachlorophenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Phenacetin	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Phenacetin	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Phenacetin	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Phenanthrene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Phenanthrene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Phenanthrene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Phorate	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Phorate	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
Phorate	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
p-Phenylene diamine	µg/L	6/16/2016	800	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
p-Phenylene diamine	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
p-Phenylene diamine	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Pronamide	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Pronamide	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Pronamide	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Pyrene	µg/L	6/16/2016	5	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Pyrene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	NT
Pyrene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Safrole	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Safrole	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Safrole	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Thionazin	µg/L	6/16/2016	10	NE	--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Thionazin	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Thionazin	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
1,2-dichlorobenzene	µg/L	7/9/2010	9.6	600	ND	ND	ND	NT	10	NT	ND	ND	NT
1,2-dichlorobenzene	µg/L	10/18/2010		(600)	ND	ND	ND	NT	ND	NT	ND	ND	ND
1,2-dichlorobenzene	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	µg/L	10/19/2011			--	NT	NT	ND	NT	ND	NT	NT	NT
1,2-dichlorobenzene	µg/L	6/16/2016	10		--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	ND
1,2-dichlorobenzene	µg/L	5/3/2021	1		--	ND	ND	--	ND	--	ND	ND	ND
1,2-dichlorobenzene	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	ND
phenol	µg/L	7/9/2010	4.8	NE	20	ND	ND	NT	ND	NT	ND	ND	NT
phenol	µg/L	10/18/2010		(2000)	ND	NT	NT	NT	NT	NT	NT	NT	NT
phenol	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	µg/L	10/19/2011			--	NT	NT	ND	NT	ND	NT	NT	NT
phenol	µg/L	6/16/2016	5		--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
phenol	µg/L	5/3/2021	10		--	ND	ND	--	ND	--	ND	ND	NT
phenol	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Inorganics (specific to Appendix II)													
Cyanide	µg/L	10/26/2009	10	200	ND	ND	ND	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	12/17/2009		(200)	ND	ND	ND	NT	NT	NT	NT	NT	NT
Cyanide	µg/L	7/9/2010			ND	ND	ND	NT	ND	NT	ND	ND	NT
Cyanide	µg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT

Table 8 - Assessment Monitoring Parameters Summary - IAC Chapter 113 Appendix II

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-01-75P

Appendix II Parameters (IDNR) [1]	Units	Date	RL	MCL [2]	GU-B/C	MW-12A	MW-19A	MW-22	MW-23A	MW-29	MW-37A	MW-38A	Blank
Cyanide	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Cyanide	µg/L	10/19/2011			--	NT	NT	ND	NT	ND	NT	NT	NT
Cyanide	µg/L	6/16/2016			--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Cyanide	µg/L	5/3/2021			--	ND	ND	--	ND	--	16.4	14.1	NT
Cyanide	µg/L	11/9/2021			--	ND	ND	--	ND	--	ND	NT	NT
Cyanide	µg/L	12/21/2021			--	NT	NT	--	NT	--	NT	ND	NT
Cyanide	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Mercury - total	µg/L	10/26/2009	0.4	2	ND	ND	ND	NT	NT	NT	NT	NT	NT
Mercury - total	µg/L	12/17/2009		(2)	ND	ND	ND	NT	NT	NT	NT	NT	NT
Mercury - total	µg/L	7/9/2010			ND	ND	ND	NT	ND	NT	ND	ND	NT
Mercury - total	µg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT
Mercury - total	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Mercury - total	µg/L	10/19/2011			--	NT	NT	ND	NT	ND	NT	NT	NT
Mercury - total	µg/L	6/16/2016	0.4		--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Mercury - total	µg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Mercury - total	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Sulfide	mg/L	10/26/2009	1	NE	ND	ND	ND	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	12/17/2009			ND	ND	ND	NT	NT	NT	NT	NT	NT
Sulfide	mg/L	7/9/2010			ND	ND	ND	NT	ND	NT	ND	ND	NT
Sulfide	mg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT
Sulfide	mg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Sulfide	mg/L	10/19/2011			--	NT	NT	ND	NT	ND	NT	NT	NT
Sulfide	mg/L	6/16/2016	1		--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Sulfide	mg/L	5/3/2021			--	ND	ND	--	ND	--	ND	ND	NT
Sulfide	mg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT
Tin - total	µg/L	10/26/2009	20	NE	ND	ND	ND	NT	NT	NT	NT	NT	NT
Tin - total	µg/L	12/17/2009		(4200)	ND	ND	ND	NT	NT	NT	NT	NT	NT
Tin - total	µg/L	7/9/2010			ND	ND	ND	NT	ND	NT	ND	ND	NT
Tin - total	µg/L	8/18/2010			NT	NT	NT	NT	ND	NT	ND	ND	NT
Tin - total	µg/L	5/11/2011			ND	ND	ND	ND	ND	ND	ND	ND	NT
Tin - total	µg/L	10/19/2011			--	NT	NT	ND	NT	ND	NT	NT	NT
Tin - total	µg/L	6/16/2016	10		--	ND	ND	*Sealed*	ND	*Sealed*	ND	ND	NT
Tin - total	µg/L	5/3/2021	50		--	ND	ND	--	ND	--	ND	ND	NT
Tin - total	µg/L	5/27/2026			--	ND	ND	--	ND	--	ND	ND	NT

Notes:

[1] Parameters specific to Appendix II per of Chapter 567-113.15, those parameters also listed in Appendix I are summarized independently

[2] Maximum Contaminant Level (MCL), as promulgated by US EPA; Iowa Statewide Standards for protected groundwater source in parentheses (x).

NE = None established; MCL not established for this compound.

RL = Reporting limit

NT = Not Tested

ND = Not Detected or None Detected

Blank = may represent field and/or trip blank

-- = No sample required; location not yet installed, previously sealed, or not required.

Unconfirmed Detection

Revision Log:

1/23/20 - Updated to include laboratory RLs

5/24/21 - Updated to include 5/3/21 monitoring data

7/7/21 - Updated to include 6/22/21 resample data

12/29/21 - Updated to include 11/9/21 & 12/21/21 resample data

Table 9 - Holding Pond Analytical Results Summary (2020-Present)

Dickinson Sanitary Landfill - Spirit Lake, IA

Permit No. 30-SDP-01-75P

Parameter	Units	Class C SW Limit[1]	IL[2]	Holding Pond 6/3/2020	Holding Pond 10/7/2020	Holding Pond 5/3/2021	Holding Pond 11/9/2021	Holding Pond 5/17/2022	Holding Pond 10/17/2022	Holding Pond 5/22/2023	Holding Pond 10/5/2023	Holding Pond 5/20/2024	Holding Pond 10/2/2024	Holding Pond 5/12/2025	Holding Pond 10/14/2025
Metals															
Antimony	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	mg/L			ND	ND	ND	ND	0.0104	ND	ND	0.0104	0.0213	0.014	ND	0.0109
Barium	mg/L			0.0717	0.166	0.0576	0.155	0.0895	0.0757	0.0837	0.26	0.0487	0.166	0.116	0.178
Beryllium	mg/L	0.004	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	0.0025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	mg/L	0.1	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	mg/L			ND	ND	ND	ND	ND	ND	ND	0.00244	0.00394	0.00578	ND	ND
Copper	mg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	mg/L			--	--	--	--	--	--	--	--	--	--	0.7	1.59
Lead	mg/L	0.05	0.025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	mg/L			--	--	--	--	--	--	--	--	--	--	ND	ND
Nickel	mg/L			0.0137	ND	ND	0.0168	0.0223	ND	0.0287	0.0259	0.0380	0.0364	0.0221	0.0142
Selenium	mg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	mg/L	0.05	0.025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	mg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	mg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Major Ions/Anoins															
Calcium	mg/L			50.1	--	45.8	--	60.4	--	68.8	--	45	--	81.5	106
Magnesium	mg/L			38.2	--	40.0	--	40.2	--	39.9	--	56.1	--	46.2	43.5
Magnesium, Dissolved	mg/L			--	--	--	--	--	--	--	--	--	--	46.8	43.1
Potassium	mg/L			2.73	--	2.27	--	4.93	--	6.37	--	38.1	--	16.4	14.7
Sodium	mg/L			29.5	--	18.1	--	27.9	--	33.3	--	114	--	54.5	38.2
Alkalinity,Bicarbonate	mg/L			226	--	212	--	217	--	201	--	386	--	317	422
Chloride	mg/L	250	125	40.4	--	30.2	--	46.6	--	51.1	--	134**	--	69.3 (73.8)	43.5
Sulfate	mg/L			86.7	--	80.9	--	105	--	106	--	85.4	--	96.5	50.7
NPDES Specific															
Total Alkalinity	mg/L			--	--	--	--	--	--	--	--	--	--	315	422
Total Dissolved Solids	mg/L			--	--	--	--	--	--	--	--	--	--	601	604
Ammonia Nitrogen	mg/L	See IAC		--	--	--	--	--	--	--	--	--	--	2.17	2.51
Nitrate-Nitrite	mg/L	10	5	--	--	--	--	--	--	--	--	--	--	2.8	ND
Chemical Oxygen Demand	mg/L			--	--	--	--	--	--	--	--	--	--	54.3	47.3
Cyanide	mg/L			--	--	--	--	--	--	--	--	--	--	ND	ND
pH	SU			--	--	--	--	--	--	--	--	--	--	7.99	7.27
Total Organic Carbon	mg/L			--	--	--	--	--	--	--	--	--	--	14.2	11.8
Oil and Grease	mg/L			--	--	--	--	--	--	--	--	--	--	ND	ND
Field Measurements															
eH/ORP (On Site)	mV			71.2	3.4	57.8	15.6	182.6	101.7	196	167.4	109.8	110.4	79	126.1
pH (On Site)	SU			8.58	7.12	8.04	7.41	7.32	7.73	8.08	6.99	8.54	7.35	7.67	7.27
Specific Conductance (on site)	µmhos/cm			767	930	708	980	747	543	782	1,066	1,109	1,867	0.985	1006
Temperature (on-site)	deg. C			25.71	17.70	18.70	10.7	17.4	6.3	23.9	17.6	22	16.2	9.1	13.5
Dissolved Oxygen (on-site)	mg/L			16.89	12.37	14.80	11.0	10	13.6	13.2	12.8	12.9	12.2	21.81	7.11
Turbidity (on-site)	NTU			14.7	25.0	20.5	NA	19.5	6	18.8	25.1	19.7	20.4	3.4	8.9
Suspended Solids	mg/L			ND	11.4	3.5	3.8	13.8	3.4	51.8	18	6.2	5.9	5.6	11.7
Volatile Organic Compounds															
Total Petroleum Hydrocarbons	mg/L			--	--	--	--	--	--	--	--	--	--	ND	ND
1,1,1,2-Tetrachloroethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/L	200	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L			ND	1.77	ND	2.02	ND	ND	ND	1.69	ND	ND	ND	ND
1,1-Dichloroethene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	µg/L	0.2	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	µg/L	0.05	0.025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	600	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	µg/L	100	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	70	35	1.05	2.96	ND	2.75	ND	ND	ND	2.66	ND	ND	ND	ND
cis-1,3-Dichloropropene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/L	5	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/L	100	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	µg/L	10000	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	µg/L	80	40	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

(1) - IDNR Class C Surface Water Limit. As defined in IAC 567.61

(2) - Intervention Limit (IL). Defined as 1/2 the IDNR Class C Surface Water Limit.

(73.8) - Duplicate or secondary sample result.

ND = Parameter not detected at concentrations above its reporting limit

-- = Parameter not tested or not required

Volatile organic compound detected above its reporting limit

Reported concentration is/was above the permitted IL

Reported concentration is/was above the SW Limit

* GW Holding Pond Data collected on 12/4/12

** - anomolous result not confirmed

Table 9 - Holding Pond Analytical Results Summary (2020-Present)

Dickinson Sanitary Landfill - Spirit Lake, IA
Permit No. 30-SDP-01-75P

Parameter	Units	Class C SW Limit[1]	IL[2]	Holding Pond 5/27/2026
Metals				
Antimony	µg/L			--
Arsenic	mg/L			0.0153
Barium	mg/L			0.0206
Beryllium	mg/L	0.004	0.002	--
Cadmium	mg/L	0.005	0.0025	ND
Chromium	mg/L	0.1	0.05	ND
Cobalt	mg/L			--
Copper	mg/L			--
Iron	mg/L			1.37
Lead	mg/L	0.05	0.025	ND
Mercury	mg/L			ND
Nickel	mg/L			--
Selenium	mg/L			ND
Silver	mg/L	0.05	0.025	ND
Thallium	µg/L			--
Vanadium	mg/L			--
Zinc	mg/L			--
Major Ions/Anoins				
Calcium	mg/L			26.3
Magnesium	mg/L			37.1
Magnesium, Dissolved	mg/L			37.1
Potassium	mg/L			9.18
Sodium	mg/L			35.5
Alkalinity,Bicarbonate	mg/L			118
Chloride	mg/L	250	125	45.3
Sulfate	mg/L			56
NPDES Specific				
Total Alkalinity	mg/L			177
Total Dissolved Solids	mg/L			359
Ammonia Nitrogen	mg/L	See IAC		ND
Nitrate-Nitrite	mg/L	10	5	ND
Chemical Oxygen Demand	mg/L			57.9
Cyanide	mg/L			ND
pH	SU			9.36
Total Organic Carbon	mg/L			13.2
Oil and Grease	mg/L			ND
Field Measurements				
eH/ORP (On Site)	mV			27.2
pH (On Site)	SU			9.2
Specific Conductance (on site)	µmhos/cm			567
Temperature (on-site)	deg. C			26.7
Dissolved Oxygen (on-site)	mg/L			22.5
Turbidity (on-site)	NTU			11.6
Suspended Solids	mg/L			--
Volatile Organic Compounds				
Total Petroleum Hydrocarbons	mg/L			--
1,1,1,2-Tetrachloroethane	µg/L			--
1,1,1-Trichloroethane	µg/L	200	100	--
1,1,2,2-Tetrachloroethane	µg/L			--
1,1,2-Trichloroethane	µg/L			--
1,1-Dichloroethane	µg/L			--
1,1-Dichloroethene	µg/L			--
1,2,3-Trichloropropane	µg/L			--
1,2-Dibromo-3-Chloropropane	µg/L	0.2	0.1	--
1,2-Dibromoethane	µg/L	0.05	0.025	--
1,2-Dichlorobenzene	µg/L	600	300	--
1,2-Dichloroethane	µg/L			--
1,2-Dichloropropane	µg/L			--
1,4-Dichlorobenzene	µg/L			--
2-Butanone (MEK)	µg/L			--
2-Hexanone	µg/L			--
4-Methyl-2-pentanone (MIBK)	µg/L			--
Acetone	µg/L			--
Acrylonitrile	µg/L			--
Benzene	µg/L			--
Bromochloromethane	µg/L			--
Bromodichloromethane	µg/L			--
Bromoform	µg/L			--
Bromomethane	µg/L			--
Carbon disulfide	µg/L			--
Carbon tetrachloride	µg/L			--
Chlorobenzene	µg/L	100	50	--
Chloroethane	µg/L			--
Chloroform	µg/L			--
Chloromethane	µg/L			--
cis-1,2-Dichloroethene	µg/L	70	35	--
cis-1,3-Dichloropropene	µg/L			--
Dibromochloromethane	µg/L			--
Dibromomethane	µg/L			--
Ethylbenzene	µg/L			--
Iodomethane	µg/L			--
Methylene Chloride	µg/L	5	2.5	--
Styrene	µg/L	100	50	--
Tetrachloroethene	µg/L			--
Toluene	µg/L			--
trans-1,2-Dichloroethene	µg/L			--
trans-1,3-Dichloropropene	µg/L			--
trans-1,4-Dichloro-2-butene	µg/L			--
Trichloroethene	µg/L			--
Trichlorofluoromethane	µg/L			--
Vinyl acetate	µg/L			--
Vinyl chloride	µg/L			--
Xylenes, Total	µg/L	10000	5000	--
Total Trihalomethanes	µg/L	80	40	--

Notes:

(1) - IDNR Class C Surface Water Limit. As defined in IAC 567.61

(2) - Intervention Limit (IL). Defined as 1/2 the IDNR Class C Surface Water Limit.

(73.8) - Duplicate or secondary sample result.

ND = Parameter not detected at concentrations above its reporting limit

-- = Parameter not tested or not required

Volatile organic compound detected above its reporting limit

Reported concentration is/was above the permitted IL

Reported concentration is/was above the SW Limit

* GW Holding Pond Data collected on 12/4/12

** - anomolous result not confirmed

Table 10 - Field Parameter Monitoring Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-07-75P

Parameter	Units	Date	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	GW Holding Pond
Depth to Water	Ft. from TOC	04/24/08	17.34	17.56	16.64	3.64	25.35	NT	NT	NT	NT	NT	NT	NT	NT	NT
Depth to Water	Ft. from TOC	05/21/08	12.25	15.83	15.75	3.66	17.68	NT	NT	NT	NT	NT	NT	NT	NT	NT
Depth to Water	Ft. from TOC	06/18/08	12.44	15.98	15.38	3.92	18.02	NT	NT	NT	NT	NT	NT	NT	NT	NT
Depth to Water	Ft. from TOC	08/13/08	16.78	18.90	19.42	4.02	19.95	NT	NT	NT	NT	NT	NT	NT	NT	NT
Depth to Water	Ft. from TOC	09/24/08	20.50	20.49	21.68	4.40	22.22	NT	NT	NT	NT	NT	NT	NT	NT	NT
Depth to Water	Ft. from TOC	04/27/09	11.41	17.36	14.78	3.04	22.27	9.72	21.02	21.19	NT	NT	NT	NT	NT	NT
Depth to Water	Ft. from TOC	10/26/09	20.73	15.80	15.49	3.42	22.26	9.18	21.28	20.23	18.95	13.97	NT	NT	NT	NT
Depth to Water	Ft. from TOC	11/23/09	NT	NT	NT	NT	NT	NT	NT	NT	19.57	14.32	NT	NT	NT	NT
Depth to Water	Ft. from TOC	12/17/09	17.60	17.77	18.83	3.59	20.90	10.77	21.31	21.89	19.42	14.18	NT	NT	NT	NT
Depth to Water	Ft. from TOC	04/13/10	14.65	13.42	17.60	2.06	18.09	6.23	20.90	21.11	17.58	12.52	NT	NT	NT	NT
Depth to Water	Ft. from TOC	05/18/10	NT	NT	NT	NT	NT	8.71	20.56	20.25	18.11	12.94	NT	NT	NT	NT
Depth to Water	Ft. from TOC	06/21/10	NT	NT	NT	NT	NT	10.92	20.00	18.68	18.95	14.71	NT	NT	NT	NT
Depth to Water	Ft. from TOC	07/09/10	NT	16.40	NT	3.82	NT	10.02	NT	NT	18.75	14.85	NT	NT	NT	NT
Depth to Water	Ft. from TOC	08/18/10	NT	NT	NT	NT	NT	10.29	19.21	19.96	19.68	15.15	NT	NT	NT	NT
Depth to Water	Ft. from TOC	10/18/10	17.04	17.56	17.79	4.47	20.93	11.73	19.81	20.64	19.81	16.75	NT	NT	NT	NT
Depth to Water	Ft. from TOC	05/10/11	14.61	16.24	16.54	3.49	22.77	9.36	20.49	21.19	18.84	14.75	NT	NT	NT	NT
Depth to Water	Ft. from TOC	10/19/11	18.86	20.26	20.81	5.01	23.39	13.88	19.94	22.20	20.85	17.29	NT	NT	NT	NT
Depth to Water	Ft. from TOC	04/24/12	23.43	21.16	18.23	4.16	26.90	13.76	21.02	20.61	20.45	15.59	NT	NT	NT	NT
Depth to Water	Ft. from TOC	10/25/12*	26.21	22.33	24.38	4.55	27.50	15.33	22.19	23.25	23.10	16.13	19.95	NT	NT	NT
Depth to Water	Ft. from TOC	05/13/13	Dry	15.92	7.11	3.25	29.05	12.73	22.60	19.88	19.53	12.92	16.01	NT	NT	NT
Depth to Water	Ft. from TOC	11/13/13	27.56	22.15	23.72	4.82	27.03	14.59	24.71	23.23	23.26	16.32	17.51	NT	NT	NT
Depth to Water	Ft. from TOC	11/12/14	29.74	21.38	21.36	6.52	27.98	13.48	21.79	21.08	Frozen	Frozen	17.78	21.17	NT	NT
Depth to Water	Ft. from TOC	05/30/17	15.86	15.31	16.60	4.23	19.16	11.90	10.22	19.87	18.31	13.95	11.33	12.90	NT	NT
Depth to Water	Ft. from TOC	11/21/17	17.58	17.59	18.99	4.10	11.64	13.79	10.35	19.99	19.56	14.44	13.18	16.90	NT	NT
Depth to Water	Ft. from TOC	05/31/18	12.78	15.13	16.14	4.30	17.28	12.20	10.44	20.02	18.25	14.82	10.41	13.20	NT	NT
Depth to Water	Ft. from TOC	11/01/18	13.52	16.35	17.41	4.93	17.80	13.12	10.67	20.18	18.62	17.50	11.01	15.10	NT	NT
Depth to Water	Ft. from TOC	05/28/19	8.79	11.25	3.79	3.79	17.96	10.02	8.22	Inaccessible	17.18	14.80	7.87	8.86	NT	NT
Depth to Water	Ft. from TOC	10/15/19	14.69	15.09	16.87	4.57	20.74	12.74	10.61	20.09	19.36	16.00	12.24	15.39	NT	NT
Depth to Water	Ft. from TOC	06/03/20	13.35	15.27	16.34	4.77	19.05	12.31	10.20	Inaccessible	18.60	16.13	10.86	14.94	NT	NT
Depth to Water	Ft. from TOC	10/07/20	11.49	20.31	23.27	5.09	24.33	15.15	Inaccessible	Inaccessible	22.02	17.34	11.18	15.36	NT	NT
Depth to Water	Ft. from TOC	05/03/21	23.48	16.96	19.75	5.88	26.70	12.80	23.74	23.22	21.05	16.32	14.80	15.81	NT	NT
Depth to Water	Ft. from TOC	11/09/21	23.00	18.09	24.68	7.36	26.50	12.90	Inaccessible	Inaccessible	21.20	16.52	14.55	17.93	NT	NT
Depth to Water	Ft. from TOC	01/13/22	NT	NT	NT	NT	NT	13.96	22.10	20.66	NT	NT	NT	NT	NT	NT
Depth to Water	Ft. from TOC	05/17/22	23.24	17.38	17.36	4.91	25.58	12.46	23.63	23.12	19.70	14.95	13.79	15.47	NT	NT
Depth to Water	Ft. from TOC	10/17/22	23.38	20.54	23.02	7.19	25.53	14.95	24.07	23.95	22.61	17.41	16.05	16.57	NT	NT
Depth to Water	Ft. from TOC	05/22/23**	15.11	15.96	18.08	4.64	21.78	13.11	22.90	22.71	20.26	15.53	12.65	12.51	NT	NT
Depth to Water	Ft. from TOC	10/05/23	22.58	19.55	23.93	7.22	25.38	13.10	NT	NT	22.75	17.14	17.05	20.33	NT	NT
Depth to Water	Ft. from TOC	05/20/24	11.64	14.60	15.28	5.81	20.32	11.71	Dry	Dry	18.77	16.24	17.01	16.40	NT	NT
Depth to Water	Ft. from TOC	10/02/24	16.63	18.46	20.99	7.80	22.55	14.55	Inaccessible	27.40	21.33	18.09	14.54	18.80	NT	NT
Depth to Water	Ft. from TOC	05/12/25	19.10	16.53	15.92	4.13	25.18	12.22	21	20.44	20.38	12.78	13.88	18.62	NT	NT
Depth to Water	Ft. from TOC	10/14/25	18.61	18.44	20.87	5.76	25.28	14.04	Inaccessible	Sealed	21.55	16.71	14.65	18.14	29.45	NT
Depth to Water	Ft. from TOC	11/14/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	24.15	NT
Depth to Water	Ft. from TOC	12/22/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	25.35	NT
Depth to Water	Ft. from TOC	01/21/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	24.33	NT
Depth to Water	Ft. from TOC	03/03/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	23.37	NT
Depth to Water	Ft. from TOC	04/15/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20.91	NT
Depth to Water	Ft. from TOC	05/27/26	24.32	14.76	16.59	4.81	24.34	12.22	21.47	Sealed	20.05	15.83	12.97	18.18	19.54	NT
Depth to Water	Ft. from TOC	07/08/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.12	NT
Electrical Conductance	µmhos/cm	04/24/08	680	2,964	1,170	633	562	NT	NT	NT	NT	NT	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	05/21/08	1,602	2,002	1,197	1,525	1,291	NT	NT	NT	NT	NT	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	06/18/08	694	1,302	523	700	577	NT	NT	NT	NT	NT	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	08/13/08	955	1,547	762	1,632	1,313	NT	NT	NT	NT	NT	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	09/24/08	877	1,623	672	891	736	NT	NT	NT	NT	NT	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	04/27/09	782	1,968	788	1,014	639	761	1,224	1,093	NT	NT	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	10/26/09	848	1,591	662	823	736	884	1,033	903	1,337	751	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	11/23/09	NT	NT	NT	NT	NT	NT	NT	NT	1,331	848	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	12/17/09	894	1,659	715	861	729	900	1,111	945	1,332	934	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	04/13/10	859	1,520	683	849	733	811	1,060	907	1,260	905	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	05/18/10	NT	NT	NT	NT	NT	841	1,083	943	1,274	896	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	06/21/10	NT	NT	NT	NT	NT	914	1,116	1,031	1,309	875	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	07/09/10	NT	1,650	NT	940	NT	917	NT	NT	1,285	837	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	08/18/10	NT	NT	NT	NT	NT	917	1,161	1,009	1,350	867	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	10/18/10	872	1,590	712	906	7	945	1,206	1,006	1,346	917	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	05/10/11	859	1,370	512	865	494	525	1,020	905	1,180	881	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	10/19/11	898	1,610	730	952	752	1,029	1,080	1,046	1,530	902	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	04/24/12	842	1,560	694	930	698	990	1,295	1,042	1,405	909	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	10/25/12*	888	1,660	727	930	660	1,005	1,100	967	1,520	88	976	NT	NT	936
Electrical Conductance	µmhos/cm	05/13/13	Dry	1,639	835	894	776	894	1,102	978	1,604	1,127	1,035	NT	NT	897
Electrical Conductance	µmhos/cm	11/13/13	825	1,617	690	869	730	966	1,115	1,017	1,453	980	1,010	NT	NT	1,012
Electrical Conductance	µmhos/cm	11/12/14	788	1,400	692	825	682	888	953	870	Frozen	Frozen	945	817	NT	1,020
Electrical Conductance	µmhos/cm	05/30/17	833	1,543	838	1,100	856	1,536	1,048	1,365	1,464	1,117	960	949	NT	455
Electrical Conductance	µmhos/cm	11/21/17	899	1,640	883	1,131	908	1,516	1,090	1,287	1,667	1,179	1,054	944	NT	1,052
Electrical Conductance	µmhos/cm	05/31/18	1,053	1,655	988	830	988	1,323	1,018	1,196	1,721	1,093	762	811	NT	410

Table 10 - Field Parameter Monitoring Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-07-75P

Parameter	Units	Date	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	GW Holding Pond
Electrical Conductance	µmhos/cm	11/01/18	876	1,638	864	1,170	863	1,283	1,114	1,042	1,835	1,098	988	952	NT	451
Electrical Conductance	µmhos/cm	05/28/19	1,001	1,649	875	1,005	873	1,504	947	Inaccessible	1,799	1,090	741	753	NT	462
Electrical Conductance	µmhos/cm	10/15/19	951	1,572	851	1,154	927	1,378	1,155	1,045	1,957	1,115	989	795	NT	1,023
Electrical Conductance	µmhos/cm	06/03/20	1,011	1,698	968	1,052	933	1,370	772	Inaccessible	2,177	1,232	761	860	NT	767
Electrical Conductance	µmhos/cm	10/07/20	1,168	1,917	839	913	850	1,367	Inaccessible	Inaccessible	2,553	1,413	808	779	NT	930
Electrical Conductance	µmhos/cm	05/03/21	735	1,231	820	1,040	749	1,137	1,220	1,018	1,578	985	1,072	887	NT	708
Electrical Conductance	µmhos/cm	5/3/21 (2)	NA	NA	NA	NA	NA	NA	NA	NA	1,620	NA	NA	NA	NT	NA
Electrical Conductance	µmhos/cm	11/09/21	1,083	1,728	922	992	820	1,299	Inaccessible	Inaccessible	1,181	2,337	1,047	638	NT	980
Electrical Conductance	µmhos/cm	01/13/22	NT	NT	NT	NT	NT	1,215	1,080	1,030	NT	NT	NT	NT	NT	NT
Electrical Conductance	µmhos/cm	05/17/22	990	1,589	915	938	850	1,248	835	694	2,322	1,104	830	741	NT	747
Electrical Conductance	µmhos/cm	10/17/22	1,036	1,624	871	840	843	1,253	745	639	2,252	1,160	834	678	NT	543
Electrical Conductance	µmhos/cm	05/22/23**	968	1,670	1,125	921	947	1,356	761	709	2,436	1,064	669	719	NT	782
Electrical Conductance	µmhos/cm	10/05/23	1,064	1,679	997	920	909	1,288	NT	NT	2,970	1,168	799	679	NT	1,066
Electrical Conductance	µmhos/cm	05/20/24	1,036	1,919	1,035	871	861	1,296	Dry	Dry	3,498	1,350	507	580	NT	1,109
Electrical Conductance	µmhos/cm	10/02/24	802	1,574	971	1,017	863	1,098	Inaccessible	NT	3,247	1,114	754	692	NT	1,867
Electrical Conductance	µmhos/cm	05/12/25	1,158	1,808	956	1,328	927	1,047	1,602	1,417	3,749	1,356	864	710	NT	985
Electrical Conductance	µmhos/cm	10/14/25	971	1678	947	1183	923	991	Inaccessible	Sealed	3413	1139	824	684	1065	1006
Electrical Conductance	µmhos/cm	11/14/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,360	NT
Electrical Conductance	µmhos/cm	12/22/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,218	NT
Electrical Conductance	µmhos/cm	01/21/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,211	NT
Electrical Conductance	µmhos/cm	03/03/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,181	NT
Electrical Conductance	µmhos/cm	04/15/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,401	NT
Electrical Conductance	µmhos/cm	05/27/26	1043	1663	912	1053	875	993	1,378	Sealed	3479	1205	735	658	1,379	567
Electrical Conductance	µmhos/cm	07/08/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,291	NT
pH	SU	04/24/08	7.68	5.88	6.93	7.66	7.61	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	SU	05/21/08	6.79	6.45	6.97	6.75	6.85	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	SU	06/18/08	7.51	6.94	7.55	7.39	7.50	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	SU	08/13/08	6.71	6.52	7.15	6.58	6.63	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	SU	09/24/08	6.50	6.08	6.65	6.50	6.55	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	SU	04/27/09	6.68	6.44	7.09	6.92	6.85	6.80	7.07	7.05	NT	NT	NT	NT	NT	NT
pH	SU	10/26/09	7.13	6.75	7.42	7.10	7.11	7.15	7.13	7.10	6.65	6.87	NT	NT	NT	NT
pH	SU	11/23/09	NT	NT	NT	NT	NT	NT	NT	NT	6.63	6.85	NT	NT	NT	NT
pH	SU	12/17/09	7.20	6.33	7.13	6.85	7.23	7.24	6.88	6.86	6.73	6.46	NT	NT	NT	NT
pH	SU	04/13/10	7.14	6.40	7.21	7.03	7.08	7.18	6.97	7.01	6.66	6.89	NT	NT	NT	NT
pH	SU	05/18/10	NT	NT	NT	NT	NT	7.17	7.00	6.99	6.55	6.86	NT	NT	NT	NT
pH	SU	06/21/10	NT	NT	NT	NT	NT	7.01	6.93	6.94	6.54	6.85	NT	NT	NT	NT
pH	SU	07/09/10	NT	6.75	NT	7.19	NT	7.23	NT	NT	6.37	6.89	NT	NT	NT	NT
pH	SU	08/18/10	NT	NT	NT	NT	NT	6.99	6.77	6.71	6.43	6.77	NT	NT	NT	NT
pH	SU	10/18/10	7.18	6.62	7.34	6.85	6.99	7.11	6.76	6.84	6.62	6.76	NT	NT	NT	NT
pH	SU	05/10/11	7.27	6.49	7.34	7.00	7.03	7.41	6.91	6.69	6.83	6.76	NT	NT	NT	NT
pH	SU	10/19/11	7.19	6.77	7.32	6.98	7.05	7.13	7.01	7.05	6.75	6.82	NT	NT	NT	NT
pH	SU	04/24/12	7.06	6.60	7.24	6.60	6.89	7.14	6.64	6.69	6.60	6.65	NT	NT	NT	NT
pH	SU	10/25/12*	7.01	6.58	7.13	7.01	7.92	7.03	7.05	6.97	6.54	8.00	7.10	NT	NT	NT*
pH	SU	05/13/13	Dry	6.59	7.11	6.80	6.89	7.17	6.98	6.80	6.69	6.66	6.94	NT	NT	7.56
pH	SU	11/13/13	7.06	6.56	7.04	7.02	6.92	7.03	7.08	7.01	6.48	6.72	6.83	NT	NT	8.31
pH	SU	11/12/14	7.17	6.79	7.24	7.11	7.24	7.15	NT	7.01	Frozen	Frozen	6.90	7.30	NT	8.15
pH	SU	05/30/17	7.15	6.40	7.00	6.92	7.14	6.60	6.31	6.87	6.58	6.69	6.79	6.90	NT	8.24
pH	SU	11/21/17	7.05	6.44	6.91	7.08	7.06	6.48	6.46	6.87	6.63	6.73	7.03	7.23	NT	8.11
pH	SU	05/31/18	7.10	6.32	6.95	7.16	7.02	6.67	6.31	6.70	6.47	6.60	7.20	7.27	NT	8.41
pH	SU	11/01/18	7.15	6.56	6.64	6.86	6.75	6.40	6.52	6.94	6.72	6.85	7.06	7.12	NT	8.74
pH	SU	05/28/19	7.09	6.34	6.96	6.99	6.74	6.08	6.82	Inaccessible	6.60	6.71	7.15	7.17	NT	7.73
pH	SU	10/15/19	6.75	6.20	6.90	6.47	6.75	6.42	6.48	6.88	6.34	6.48	6.83	6.97	NT	7.29
pH	SU	06/03/20	6.85	6.37	6.84	6.74	7.15	6.62	7.27	Inaccessible	6.57	6.78	7.04	6.92	NT	8.58
pH	SU	10/07/20	6.92	6.47	7.12	6.65	7.29	6.93	Inaccessible	Inaccessible	6.53	6.70	6.83	6.79	NT	7.12
pH	SU	05/03/21	6.97	6.47	6.80	6.40	7.18	6.56	6.61	6.68	6.59	6.77	6.44	6.69	NT	8.04
pH	SU	5/3/21 (2)	NA	NA	NA	NA	NA	NA	NA	NA	6.60	NA	NA	NA	NT	NA
pH	SU	11/09/21	7.12	6.47	6.75	7.21	6.86	6.28	Inaccessible	Inaccessible	6.75	6.55	7	7.43	NT	7.41
pH	SU	01/13/22	NT	NT	NT	NT	NT	6.31	6.65	6.68	NT	NT	NT	NT	NT	NT
pH	SU	05/17/22	7.13	6.52	6.6	7.05	6.73	6.2	6.61	6.35	6.58	6.82	6.24	6.73	NT	7.32
pH	SU	10/17/22	7	6.36	6.62	6.83	6.7	6.34	6.24	6.84	6.37	6.56	6.51	6.95	NT	7.73
pH	SU	05/22/23**	7.07	6.91	7.32	6.95	7.48	6.96	6.78	6.91	6.96	6.76	6.77	6.91	NT	8.08
pH	SU	10/05/23	6.92	6.34	7.04	6.69	7.32	6.82	NT	NT	6.31	6.73	6.71	6.95	NT	6.99
pH	SU	05/20/24	7.14	6.39	6.68	6.74	7	6.47	Dry	Dry	6.43	6.76	7.09	7.13	NT	8.54
pH	SU	10/02/24	7.02	6.41	6.69	6.43	6.94	6.41	Inaccessible	NT	6.32	6.67	6.29	6.69	NT	7.35
pH	SU	05/12/25	7	6.42	6.64	7.19	6.85	6.47	7.4	6.93	6.43	6.66	7.34	7.53	NT	7.67
pH	SU	10/14/25	7.02	6.43	6.6	6.83	6.96	6.61	Inaccessible	Sealed	6.46	6.77	7.1	7.15	7.23	7.27
pH	SU	11/14/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.83	NT
pH	SU	12/22/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.66	NT
pH	SU	01/21/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.86	NT
pH	SU	03/03/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.91	NT
pH	SU	04/15/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.05	NT
pH	SU	05/27/26	7.16	6.7	6.47	6.26	6.97	6.57	6.39	Sealed	6.7	7.11	7.06	7.16	7.31	9.2
pH	SU	07/08/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.49	NT

Table 10 - Field Parameter Monitoring Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-07-75P

Parameter	Units	Date	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	GW Holding Pond
Temperature	°C	04/24/08	9.60	10.30	9.20	6.70	10.30	NT	NT	NT	NT	NT	NT	NT	NT	NT
Temperature	°C	05/21/08	9.10	9.80	8.60	7.80	10.00	NT	NT	NT	NT	NT	NT	NT	NT	NT
Temperature	°C	06/18/08	8.80	9.70	8.50	9.60	9.80	NT	NT	NT	NT	NT	NT	NT	NT	NT
Temperature	°C	08/13/08	9.50	10.40	9.50	13.10	10.20	NT	NT	NT	NT	NT	NT	NT	NT	NT
Temperature	°C	09/24/08	9.60	11.60	10.50	13.40	10.40	NT	NT	NT	NT	NT	NT	NT	NT	NT
Temperature	°C	04/27/09	9.10	9.70	8.70	6.80	10.00	6.30	7.90	7.10	NT	NT	NT	NT	NT	NT
Temperature	°C	10/26/09	9.40	11.10	10.90	12.10	10.10	12.50	11.40	12.30	10.40	13.80	NT	NT	NT	NT
Temperature	°C	11/23/09	NT	NT	NT	NT	NT	NT	NT	NT	10.80	13.80	NT	NT	NT	NT
Temperature	°C	12/17/09	9.60	11.20	10.40	8.90	10.00	10.20	10.40	11.30	10.70	13.90	NT	NT	NT	NT
Temperature	°C	04/13/10	8.90	9.70	8.80	7.40	10.20	6.80	7.96	8.10	9.30	8.20	NT	NT	NT	NT
Temperature	°C	05/18/10	NT	NT	NT	NT	NT	8.20	8.90	8.00	9.20	7.80	NT	NT	NT	NT
Temperature	°C	06/21/10	NT	NT	NT	NT	NT	9.70	9.80	8.60	9.20	8.60	NT	NT	NT	NT
Temperature	°C	07/09/10	NT	10.40	NT	12.30	NT	11.40	NT	NT	9.50	9.40	NT	NT	NT	NT
Temperature	°C	08/18/10	NT	NT	NT	NT	NT	13.20	12.36	11.39	10.10	10.90	NT	NT	NT	NT
Temperature	°C	10/18/10	9.80	11.70	10.90	13.39	11.00	13.40	13.05	13.18	11.00	12.60	NT	NT	NT	NT
Temperature	°C	05/10/11	9.50	10.30	9.30	7.45	10.90	7.30	8.40	8.19	9.90	7.50	NT	NT	NT	NT
Temperature	°C	10/19/11	9.60	11.00	10.30	13.00	10.70	12.80	12.90	12.30	10.70	11.40	NT	NT	NT	NT
Temperature	°C	04/24/12	10.00	10.80	10.20	7.50	11.30	8.60	9.10	8.70	10.30	9.10	NT	NT	NT	NT
Temperature	°C	10/25/12*	9.80	11.80	10.30	12.50	11.10	11.80	9.80	13.00	11.40	13.70	10.40	NT	NT	1.0*
Temperature	°C	05/13/13	Dry	10.60	9.60	5.80	12.23	6.90	10.30	8.10	10.40	9.31	9.30	NT	NT	16.20
Temperature	°C	11/13/13	8.90	11.40	10.10	11.50	11.52	11.60	10.80	11.80	10.80	12.85	10.20	NT	NT	1.00
Temperature	°C	11/12/14	9.00	11.10	10.10	11.00	12.10	11.90	NT	12.00	Frozen	Frozen	9.90	9.70	NT	3.00
Temperature	°C	05/30/17	9.08	10.30	9.20	8.40	12.90	9.60	7.80	8.10	9.80	9.40	7.80	8.30	NT	18.20
Temperature	°C	11/21/17	10.10	11.40	11.30	10.40	12.90	13.32	10.80	10.50	10.90	12.40	10.60	11.80	NT	2.00
Temperature	°C	05/31/18	9.10	10.10	9.00	7.90	12.80	9.20	7.80	8.20	9.70	8.80	7.30	8.10	NT	26.10
Temperature	°C	11/01/18	10.10	11.30	11.60	11.80	13.10	14.50	10.90	11.10	10.80	12.20	11.90	11.60	NT	8.70
Temperature	°C	05/28/19	8.70	8.70	8.40	7.40	12.50	8.30	7.90	Inaccessible	9.30	8.60	7.10	8.00	NT	16.60
Temperature	°C	10/15/19	9.80	10.70	10.40	12.70	10.00	15.50	11.30	11.00	10.10	11.70	10.50	11.00	NT	8.60
Temperature	°C	06/03/20	9.20	9.50	9.10	8.60	12.60	9.20	8.00	Inaccessible	10.00	9.50	7.50	8.80	NT	25.71
Temperature	°C	10/07/20	9.90	11.00	10.60	12.90	12.50	15.00	Inaccessible	Inaccessible	11.10	12.70	10.30	10.90	NT	17.70
Temperature	°C	05/03/21	9.60	9.80	9.40	7.10	12.30	8.70	11.80	8.50	10.10	9.60	8.30	9.40	NT	18.70
Temperature	°C	5/3/21 (2)	NA	NA	NA	NA	NA	NA	NA	NA	10.16	NA	NA	NA	NT	NA
Temperature	°C	11/09/21	10.3	11.9	11.2	11.8	12.3	15.2	Inaccessible	Inaccessible	13.6	11.3	10.6	12	NT	10.7
Temperature	°C	01/13/22	NT	NT	NT	NT	NT	10.8	11.3	10.6	NT	NT	NT	NT	NT	NT
Temperature	°C	05/17/22	8.9	9.1	9.1	5.9	11.9	6.9	7.7	8.5	9.7	8.7	7.5	8.5	NT	17.4
Temperature	°C	10/17/22	9.7	10	9.8	12.1	11.9	14.3	10.1	10.1	10.2	12.5	9.9	10.5	NT	6.3
Temperature	°C	05/22/23**	9.3	9.9	9.4	8.1	12.3	10.5	9	9	10.2	9.8	8	9.2	NT	23.9
Temperature	°C	10/05/23	10	11.3	10.3	13.3	11.6	14.8	NT	NT	11	12.5	10.3	112	NT	17.6
Temperature	°C	05/20/24	9.6	10	10.1	8.5	12.1	9.7	Dry	Dry	10.5	10	8.2	9.2	NT	22
Temperature	°C	10/02/24	10.5	10.8	11.4	13.3	12.1	14.9	Inaccessible	NT	10.9	12	11.3	11.5	NT	16.2
Temperature	°C	05/12/25	10.1	10.2	9.8	7.2	11.9	8.2	9.1	7.8	10.8	9.3	8.4	9.2	NT	21.81
Temperature	°C	10/14/25	9.7	10.9	11.2	13.2	12.4	15.3	Inaccessible	Sealed	10.7	11.5	10.9	12.1	10.5	13.5
Temperature	°C	11/14/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11.4	NT
Temperature	°C	12/22/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11.6	NT
Temperature	°C	01/21/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.5	NT
Temperature	°C	03/03/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.8	NT
Temperature	°C	04/15/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10.1	NT
Temperature	°C	05/27/26	10.4	9.8	10.2	8.4	12.5	9.9	10.9	Sealed	10	9.5	8.6	9.4	10.7	26.7
Temperature	oC	07/08/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11.9	NT
Oxidation-Reduction Potential (ORP / eH)	mV	10/26/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	11/23/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	12/17/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	04/13/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	05/18/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	06/21/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	07/09/10	NT	243.6	NT	NT	NT	267.0	NT	NT	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	08/18/10	NT	NT	NT	NT	NT	-70.8	NT	NT	-186.8	-167.9	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	10/18/10	219.0	-3.0	149.0	NT	NT	244.0	149.0	139.5	205.0	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	05/10/11	164.0	-120.0	0.6	8.0	NT	160.0	66.0	64.0	36.0	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	10/19/11	208.0	60.6	117.0	-144.1	28.8	220.0	-155.3	-172.4	114.0	18.6	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	04/24/12	157.0	0.0	120.0	66.4	148.0	149.0	83.1	75.4	55.0	27.0	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	10/25/12*	521.0	170.0	300.0	100.9	151.0	471.0	93.6	111.0	318.0	35.0	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	05/07/13	NT	-117.0	68.8	242.5	234.2	NT	237.5	174.0	-56.2	114.7	70.0	NT	NT	62.6
Oxidation-Reduction Potential (ORP / eH)	mV	11/11/13	212.7	-151.1	11.3	86.8	229.1	179.7	186.6	100.9	-57.7	101.3	NT	NT	NT	98.7
Oxidation-Reduction Potential (ORP / eH)	mV	05/13/14	324.6	-41.7	193.9	320.4	233.9	240.3	340.9	334.2	-17.6	178.3	310.0	NT	NT	302.6
Oxidation-Reduction Potential (ORP / eH)	mV	11/12/14	164.9	-103.2	-69.8	56.8	-4.7	42.2	35.4	-49.6	Frozen	Frozen	33.4	62.2	NT	79.1
Oxidation-Reduction Potential (ORP / eH)	mV	05/27/15	250.8	-72.7	123.6	76.1	30.4	-39.8	68.0	59.4	-69.6	-69.1	NT	127.6	NT	39.6
Oxidation-Reduction Potential (ORP / eH)	mV	11/18/15	206.5	-141.6	28.4	32.1	34.5	62.1	17.8	3.5	-82.9	-0.6	7.6	44.3	NT	81.3
Oxidation-Reduction Potential (ORP / eH)	mV	06/16/16	124.8	NT	29.1	NT	180.2	NT	173.3	175.9	NT	NT	61.6	158.0	NT	8.9
Oxidation-Reduction Potential (ORP / eH)	mV	11/16/16	242.2	-89.3	80.1	13.5	74.2	113.1	169.3	141.7	14.3	-2.3	31.9	138.6	NT	134.5
Oxidation-Reduction Potential (ORP / eH)	mV	05/30/17	145.2	-91.5	82.8	128.6	97.7	88.7	196.7	178.5	-67.0	13.5	191.4	186.2	NT	136.6
Oxidation-Reduction Potential (ORP / eH)	mV	11/21/17	283.8	-86.5	225.6	7.3	225.6	NT	157.2	194.3	-76.5	20.0	164.6	159.2	NT	140.4

Table 10 - Field Parameter Monitoring Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-07-75P

Parameter	Units	Date	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	GW Holding Pond
Oxidation-Reduction Potential (ORP / eH)	mV	05/31/18	234.7	-51.0	199.7	100.6	211.3	94.0	179.2	180.1	-60.0	35.5	228.3	226.2	NT	186.4
Oxidation-Reduction Potential (ORP / eH)	mV	10/31/18	217.5	-35.5	199.3	-2.0	204.1	68.0	-56.4	101.4	3.5	70.5	78.5	84.3	NT	37.6
Oxidation-Reduction Potential (ORP / eH)	mV	05/28/19	142.5	36.0	90.5	53.9	81.8	59.6	166.9	Inaccessible	-56.3	48.0	164.7	154.8	NT	72.1
Oxidation-Reduction Potential (ORP / eH)	mV	10/15/19	184.6	-62.1	134.4	-15.1	214.8	-28.4	-55.4	89.4	-43.7	29.7	77.0	83.8	NT	93.7
Oxidation-Reduction Potential (ORP / eH)	mV	06/03/20	87.3	-93.1	79.1	-12.4	79.9	1.0	129.3	Inaccessible	-63.1	14.4	128.0	130.7	NT	71.2
Oxidation-Reduction Potential (ORP / eH)	mV	10/07/20	137.7	-121.2	148.6	-109.0	106.1	38.5	Inaccessible	Inaccessible	-89.7	3.1	107.0	107.8	NT	3.4
Oxidation-Reduction Potential (ORP / eH)	mV	05/03/21	189.6	-124.9	61.0	18.0	99.6	-8.2	182.7	175.1	-113.7	-6.0	177.3	162.2	NT	57.8
Oxidation-Reduction Potential (ORP / eH)	mV	5/3/21 (2)	NA	NA	NA	NA	NA	NA	NA	NA	-121.2	NA	NA	NA	NT	NA
Oxidation-Reduction Potential (ORP / eH)	mV	11/09/21	149.3	-86.4	58.6	-37.6	-53.7	-66	Inaccessible	Inaccessible	35.6	0.4	184	172.1	NT	15.6
Oxidation-Reduction Potential (ORP / eH)	mV	01/13/22	NT	NT	NT	NT	NT	41.5	-71.2	-40.4	NT	NT	NT	NT	NT	NT
Oxidation-Reduction Potential (ORP / eH)	mV	05/17/22	255.8	24.6	138	152.2	132	48	261.7	265.2	-64.6	157.4	276.2	243	NT	182.6
Oxidation-Reduction Potential (ORP / eH)	mV	10/17/22	121.8	-88.6	145.3	47	109	47.8	169.7	192.2	-55.8	29.2	170.6	174.5	NT	101.7
Oxidation-Reduction Potential (ORP / eH)	mV	05/22/23**	136.4	-102.6	-82.3	50.3	37.2	-88.8	301.4	279.1	-70.6	57.5	290.8	NT	NT	196
Oxidation-Reduction Potential (ORP / eH)	mV	10/05/23	130.7	-69	53.2	98.9	82.2	19.6	NT	NT	-61.5	127.6	276.3	268.2	NT	167.4
Oxidation-Reduction Potential (ORP / eH)	mV	05/20/24	146	-48.7	22.3	173.4	80.3	-110.4	Dry	Dry	-48	53.2	204.7	185.8	NT	109.8
Oxidation-Reduction Potential (ORP / eH)	mV	10/02/24	127	-50.1	-15.9	97.7	12.7	-188.1	Inaccessible	NT	-13.9	96.6	229.3	193.9	NT	110.4
Oxidation-Reduction Potential (ORP / eH)	mV	05/12/25	156.9	-48.9	89	-1	71.2	-50	-168.1	141.3	-53.2	57.8	72.7	80.8	NT	79
Oxidation-Reduction Potential (ORP / eH)	mV	10/14/25	172.9	-45	14.4	105.7	53.6	-104	Inaccessible	Sealed	-31	40.5	124.4	119.3	77	126.1
Oxidation-Reduction Potential (ORP / eH)	mV	11/14/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	95.3	NT
Oxidation-Reduction Potential (ORP / eH)	mV	12/22/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	79.6	NT
Oxidation-Reduction Potential (ORP / eH)	mV	01/21/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	109.6	NT
Oxidation-Reduction Potential (ORP / eH)	mV	03/03/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	85.2	NT
Oxidation-Reduction Potential (ORP / eH)	mV	04/15/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	163.7	NT
Oxidation-Reduction Potential (ORP / eH)	mV	05/27/26	181.9	17.1	66.2	101.2	68.7	-61	81.7	Sealed	-33.7	36.4	96.3	99.9	109.9	27.2
Oxidation-Reduction Potential (ORP / eH)	mV	07/08/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	157.9	NT
Dissolved Oxygen (DO)	mg/L	10/26/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	11/23/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	12/17/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	04/13/10	4.30	NT	NT	NT	1.00	7.90	NT	NT	0.10	0.10	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	05/18/10	NT	NT	NT	NT	NT	NT	NT	NT	1.50	NT	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	06/21/10	NT	NT	NT	NT	NT	8.20	NT	NT	0.30	0.30	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	07/09/10	NT	1.60	NT	6.90	NT	7.30	NT	NT	2.10	2.00	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	08/18/10	NT	NT	NT	NT	NT	6.10	4.47	1.59	2.30	1.50	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	10/18/10	3.50	0.30	6.20	7.69	NT	5.40	4.54	1.18	0.20	NT	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	05/10/11	4.30	0.80	62.00	0.68	4.80	7.90	3.38	1.29	0.30	3.70	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	10/19/11	1.80	0.30	3.70	4.80	2.40	3.00	5.10	1.90	1.66	2.90	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	04/24/12	1.80	0.30	3.80	7.10	1.30	6.50	6.80	2.00	0.30	0.10	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	10/25/12*	0.70	0.40	0.50	11.20	1.30	6.30	22.80	12.90	0.30	0.10	NT	NT	NT	NT
Dissolved Oxygen (DO)	mg/L	05/07/13	NA	0.20	7.10	6.60	2.07	9.40	5.60	1.60	0.20	0.34	1.90	NT	NT	9.90
Dissolved Oxygen (DO)	mg/L	11/11/13	5.40	0.30	0.00	10.10	3.45	7.50	8.30	2.40	0.30	2.25	0.40	NT	NT	13.30
Dissolved Oxygen (DO)	mg/L	05/13/14	9.20	3.00	8.20	8.90	3.11	8.10	4.10	2.10	0.90	1.56	0.60	NT	NT	10.50
Dissolved Oxygen (DO)	mg/L	11/12/14	8.10	0.80	6.60	7.70	3.50	4.90	2.22	2.00	Frozen	Frozen	1.50	10.10	NT	11.30
Dissolved Oxygen (DO)	mg/L	05/27/15	9.70	0.50	7.10	7.50	1.47	1.86	3.80	2.40	1.38	1.20	2.30	6.40	NT	15.40
Dissolved Oxygen (DO)	mg/L	11/18/15	15.30	5.20	10.80	4.14	10.00	4.90	2.53	1.37	3.40	0.21	1.50	10.50	NT	13.30
Dissolved Oxygen (DO)	mg/L	06/16/16	0.80	NT	6.11	NT	1.70	NT	8.90	6.80	NT	NT	10.83	8.60	NT	12.20
Dissolved Oxygen (DO)	mg/L	11/16/16	5.70	2.80	6.60	3.20	2.50	1.30	4.30	0.80	1.50	1.60	6.90	9.70	NT	12.50
Dissolved Oxygen (DO)	mg/L	05/30/17	9.40	2.70	5.70	5.80	0.80	3.30	2.60	1.60	2.10	2.30	7.50	7.30	NT	12.60
Dissolved Oxygen (DO)	mg/L	11/21/17	11.20	5.60	9.70	0.53	2.40	NT	2.00	1.20	5.70	4.80	7.30	8.50	NT	14.00
Dissolved Oxygen (DO)	mg/L	05/31/18	4.00	2.80	2.10	0.70	0.40	1.99	3.90	0.80	1.87	1.80	8.00	7.70	NT	14.60
Dissolved Oxygen (DO)	mg/L	10/31/18	3.70	2.50	5.70	0.40	2.90	2.90	1.50	3.50	2.40	2.00	7.50	8.50	NT	12.40
Dissolved Oxygen (DO)	mg/L	05/28/19	2.33	0.71	3.81	0.84	0.59	1.42	4.89	Inaccessible	0.43	0.46	10.94	10.16	NT	8.81
Dissolved Oxygen (DO)	mg/L	10/15/19	5.30	2.00	5.20	0.20	2.60	2.30	0.80	5.90	1.30	1.50	8.20	10.10	NT	11.60
Dissolved Oxygen (DO)	mg/L	06/03/20	4.80	0.20	7.10	0.20	1.00	5.00	3.10	Inaccessible	0.22	0.20	9.70	9.50	NT	16.89
Dissolved Oxygen (DO)	mg/L	10/07/20	3.39	2.86	8.71	0.26	5.20	8.72	Inaccessible	Inaccessible	2.60	2.20	8.32	5.90	NT	12.37
Dissolved Oxygen (DO)	mg/L	05/03/21	6.90	0.20	5.30	0.60	2.80	3.60	6.30	7.50	0.10	0.10	7.00	5.50	NT	14.80
Dissolved Oxygen (DO)	mg/L	5/3/21 (2)	NA	NA	NA	NA	NA	NA	NA	NA	0.07	NA	3.9	NA	NT	NA
Dissolved Oxygen (DO)	mg/L	11/09/21	3.7	1.6	2.8	5.6	0.6	0.2	Inaccessible	Inaccessible	0.40	0.3	3.9	102.0	NT	11.0
Dissolved Oxygen (DO)	mg/L	05/17/22	7	3	7.8	3.5	2.1	1.5	8.7	9.2	0.5	1.9	10.1	5.8	NT	10
Dissolved Oxygen (DO)	mg/L	10/17/22	3.1	0.6	9	8.1	1.8	1.7	7.2	8.1	0.5	0.4	7.3	6	NT	13.6
Dissolved Oxygen (DO)	mg/L	05/22/23**	4.1	0.5	6.1	1.9	4.6	0.4	9	8.8	0.3	0.5	8.2	9.5	NT	13.2
Dissolved Oxygen (DO)	mg/L	10/05/23	2.4	1	5.9	0	1.9	2	NT	NT	0.5	5	7.7	8.6	NT	12.8
Dissolved Oxygen (DO)	mg/L	05/20/24	6.7	0.6	6.6	1.2	1.4	0.5	Dry	Dry	0.4	0.6	11.9	11.5	NT	12.9
Dissolved Oxygen (DO)	mg/L	10/02/24	4.9	0.6	5.7	0.1	0.9	0.2	Inaccessible	NT	2.1	0.9	8.2	8.6	NT	12.2
Dissolved Oxygen (DO)	mg/L	05/12/25	1.2	0.5	4.7	43	4.6	2.2	4.5	2.1	0.4	0.4	7.8	2.3	NT	9.1
Dissolved Oxygen (DO)	mg/L	10/14/25	4.7	0.7	0.5	1.1	1.4	0.4	Inaccessible	Sealed	0.5	0.5	10.8	8.2	3.9	7.11
Dissolved Oxygen (DO)	mg/L	11/14/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.5	NT
Dissolved Oxygen (DO)	mg/L	12/22/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.0	NT
Dissolved Oxygen (DO)	mg/L	01/21/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.1	NT
Dissolved Oxygen (DO)	mg/L	03/03/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.9	NT
Dissolved Oxygen (DO)	mg/L	04/15/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.5	NT
Dissolved Oxygen (DO)	mg/L	5/27/2026	3.2	0.6	0.7	5.6	3.3	0.6	5.6	Sealed	0.6	0.4	12.1	8.7	5.0	22.5
Dissolved Oxygen (DO)	mg/L	07/08/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.4	NT

Table 10 - Field Parameter Monitoring Results (2008-Present)

Dickinson Landfill - Spirit Lake, Iowa

Permit No. 30-SDP-07-75P

Parameter	Units	Date	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A	MW-34A	MW-36A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A	GW Holding Pond
Turbidity	NTU	04/24/08	24.7	6.3	8.6	182.0	9.3	NT	NT	NT	NT	NT	NT	NA	NT	NT
Turbidity	NTU	05/21/08	21.7	3.1	6.9	102.0	7.6	NT	NT	NT	NT	NT	NT	NA	NT	NT
Turbidity	NTU	06/18/08	14.1	2.4	7.6	10.0	2.3	NT	NT	NT	NT	NT	NT	NA	NT	NT
Turbidity	NTU	08/13/08	0.0	0.0	0.0	8.5	1.1	NT	NT	NT	NT	NT	NT	NA	NT	NT
Turbidity	NTU	09/24/08	1.5	2.8	8.6	17.9	1.6	NT	NT	NT	NT	NT	NT	NA	NT	NT
Turbidity	NTU	04/27/09	8.1	2.9	2.9	35.2	0.8	7.2	3.2	4.2	NT	NT	NT	NA	NT	NT
Turbidity	NTU	10/26/09	23.9	1.1	0.5	7.2	1.9	3.4	1.7	1.0	266.0	405.0	NT	NA	NT	NT
Turbidity	NTU	11/23/09	NT	NT	NT	NT	NT	NT	NT	NT	57.6	55.2	NT	NA	NT	NT
Turbidity	NTU	12/17/09	5.9	0.0	1.6	50.4	2.1	1.7	9.8	2.4	72.3	75.0	NT	NA	NT	NT
Turbidity	NTU	04/13/10	5.3	0.0	6.1	8.6	1.2	7.1	6.0	2.6	10.5	3.8	NT	NA	NT	NT
Turbidity	NTU	05/18/10	NT	NT	NT	NT	NT	5.2	0.0	0.0	45.1	2.5	NT	NA	NT	NT
Turbidity	NTU	06/21/10	NT	NT	NT	NT	NT	2.2	2.4	0.0	13.6	18.7	NT	NA	NT	NT
Turbidity	NTU	07/09/10	NT	0.7	NT	11.5	NT	3.9	NT	NT	9.2	1.8	NT	NA	NT	NT
Turbidity	NTU	08/18/10	NT	NT	NT	NT	NT	0.1	0.1	7.6	18.1	0.0	NT	NA	NT	NT
Turbidity	NTU	10/18/10	24.9	5.1	2.7	0.3	0.0	7.0	0.0	0.0	89.0	0.3	NT	NA	NT	NT
Turbidity	NTU	05/10/11	5.6	0.9	0.6	44.9	0.0	7.9	28.6	1.2	17.9	0.5	NT	NA	NT	NT
Turbidity	NTU	10/19/11	14.2	5.3	5.3	22.4	1.1	25.2	15.7	2.2	14.0	9.0	NT	NA	NT	NT
Turbidity	NTU	04/24/12	10.9	0.3	17.8	33.9	0.9	43.0	9.7	2.7	12.8	1.1	NT	NA	NT	NT
Turbidity	NTU	10/25/12*	17.3	12.1	7.2	18.9	0.0	5999.0	4.2	5.0	146.0	0.2	35.5	NA	NT	NT*
Turbidity	NTU	05/13/13	Dry	5.8	0.0	6.7	0.9	74.5	6.3	0.0	10.4	5.2	15.9	NA	NT	4.0
Turbidity	NTU	11/13/13	162.9	0.7	0.0	3.7	0.7	46.2	0.0	0.0	180.1	27.0	39.2	NA	NT	3.3
Turbidity	NTU	11/12/14	392.1	5.4	9.6	28.7	0.0	15.0	NT	9.6	Frozen	Frozen	10.4	1380.0	NT	18.8
Turbidity	NTU	05/30/17	0.0	0.6	0.0	8.6	0.0	0.0	0.2	1.0	11.5	3.5	7.2	4.9	NT	20.1
Turbidity	NTU	11/21/17	5.1	0.0	0.0	7.1	0.7	0.0	0.0	0.0	0.0	0.0	7.7	3.5	NT	22.6
Turbidity	NTU	05/31/18	0.0	0.0	0.0	10.4	0.0	2.6	0.0	4.1	10.0	4.5	9.0	2.0	NT	7.1
Turbidity	NTU	11/01/18	0.9	0.0	0.3	2.1	1.4	1.0	5.1	0.0	13.3	28.5	8.1	0.0	NT	39.4
Turbidity	NTU	05/28/19	0.0	0.0	0.0	63.5	4.6	9.8	0.0	Inaccessible	5.5	0.0	7.0	0.0	NT	37.1
Turbidity	NTU	10/15/19	3.0	0.7	0.0	1.5	0.7	0.3	8.2	0.0	2.5	0.0	0.9	0.0	NT	16.1
Turbidity	NTU	06/03/20	0.0	1.7	0.0	10.5	11.7	2.7	7.7	Inaccessible	43.0	14.0	4.7	3.8	NT	14.7
Turbidity	NTU	10/07/20	6.3	0.0	6.9	7.5	35.1	1.1	Inaccessible	Inaccessible	0.0	0.0	8.1	5.0	NT	25.0
Turbidity	NTU	05/03/21	4.5	0.0	1.5	4.8	6.7	4.9	0.0	8.8	0.1	0.0	0.0	6.5	NT	20.5
Turbidity	NTU	5/3/21 (2)	NA	NA	NA	NA	NA	NA	NA	NA	0.0	NA	NA	NA	NT	NA
Turbidity	NTU	11/09/21	8.9	1.6	1.0	5.6	0.6	1.1	Inaccessible	Inaccessible	8.60	3.9	1.7	10.4	NT	NA
Turbidity	NTU	01/13/22	NT	NT	NT	NT	NT	0.4	0	0	NT	NT	NT	NT	NT	NT
Turbidity	NTU	05/17/22	4.1	8.1	0	8.9	0	0	9.6	6.7	0.3	4.3	6.3	2.9	NT	19.5
Turbidity	NTU	10/17/22	8.1	0	0	5.9	0	0	9.3	5.4	7.1	7.2	9	0.6	NT	6
Turbidity	NTU	05/22/23**	0.3	5.5	0.9	7.8	4.3	5.2	9.6	0	15.7	5.5	20.7	0	NT	18.8
Turbidity	NTU	10/05/23	21	2.5	0	3	0	0	NT	NT	45	6.6	4.3	3.2	NT	25.1
Turbidity	NTU	05/20/24	0	0	5.3	3.9	3	1.9	Dry	Dry	0	0	4.2	4.3	NT	19.7
Turbidity	NTU	10/02/24	0.4	0	0	8.3	4.8	0	Inaccessible	NT	0.2	17.7	4.9	0	NT	20.4
Turbidity	NTU	05/12/25	7.8	0	0.7	1.5	0	0.2	9.1	0	3.4	0	9	5.9	NT	3.4
Turbidity	NTU	10/14/25	0	0	0	46.3	0	0	Inaccessible	Sealed	3.2	0	4.9	16.5	77.7	8.9
Turbidity	NTU	11/14/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.6	NT
Turbidity	NTU	12/22/25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.4	NT
Turbidity	NTU	01/21/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11.5	NT
Turbidity	NTU	03/03/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	28.0	NT
Turbidity	NTU	04/15/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	178.8	NT
Turbidity	NTU	5/27/206	0	0	10.5	3.5	7	2.5	13.2	Sealed	0	0	44.7	10.8	81.9	11.6
Turbidity	NTU	07/08/26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	160.4	NT
Total Dissolved Solids (field)	mg/L	05/03/21	NA	NA	NA	NA	NA	NA	NA	NA	2.3	NA	NA	NA	NT	NT
Total Dissolved Solids (field)	mg/L	5/3/21 (2)	NA	NA	NA	NA	NA	NA	NA	NA	1.0191	NA	NA	NA	NT	NT
Total Dissolved Solids (field)	mg/L	10/05/23	*Analysis for Total Dissolved Solids (TDS) Removed*													

Notes:

NT = not tested - well not installed, data not recorded or available

NA = not applicable

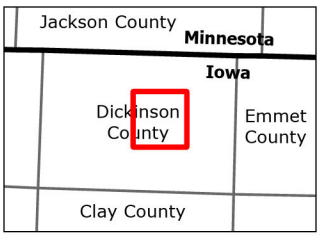
Data appears anomalous

* GW Holding Pond Data collected on 12/4/12

** = Samples MW-12A, MW-13A, MW-21A, MW-23A, MW-37A collected on 6/8/2023

(2) = MW-37A Extended purge sample collected 5/3/21

Figures



Legend

- Landfill Property Boundary
- Half Mile Radius
- Houses

0 2,500 5,000 Feet

(At original document size of 8.5x11)
1:60,000

N

Stantec

Notes

1. Coordinate System: NAD 1983 UTM Zone 15N
2. Data Sources: USDA
3. Background: NAIP 2023 Imagery

Project Location
T99N, R36W, S27
Dickinson Co., IA

Prepared by BS on 2026-07-16

Client/Project
Dickinson Landfill, Inc.
2026 Semi-Annual Monitoring Report

227708677

Figure No.
1

Title
Site Location Map

U:\227\227702550\0742-4002\pro\AnnualReport\AnnualReport.aprx Revised: 2026-07-16 By: twavrin

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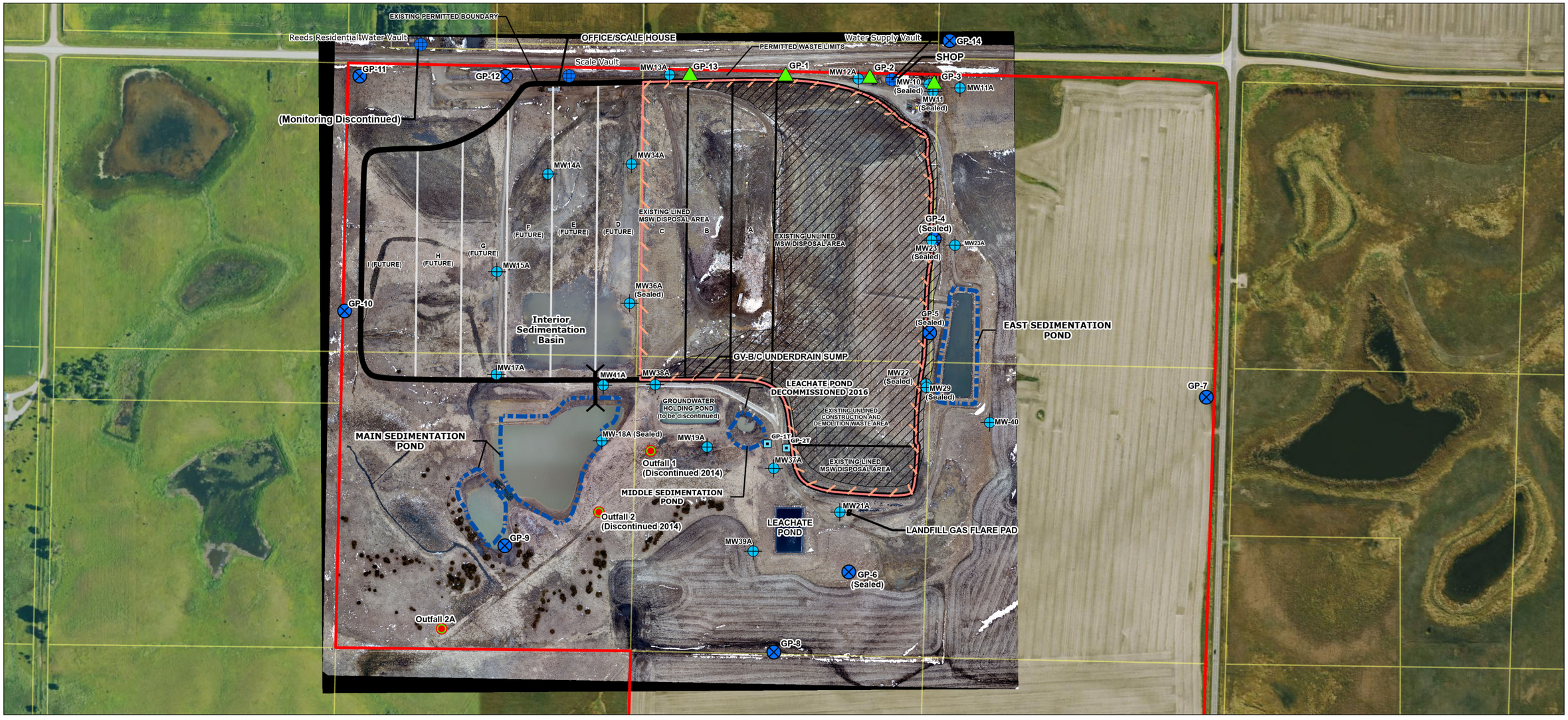

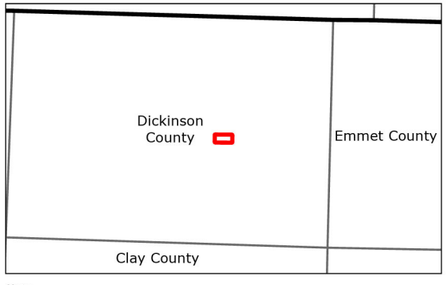

Legend

- Landfill Property Line
- Closed Area
- Landfill Gas Flare Pad
- Sedimentation Pond
- Permitted Waste Limits
- Existing Permitted Boundary
- Existing Phase Limits
- Future Phase Limits
- Water Vaults
- Culvert
- Outfall
- Temporary Gas Probe (Installed April 2022)
- Gas Probe (Discontinued)
- Gas Probe
- Groundwater Monitoring Well
- Parcels (Source: Dickinson County)

0 225 450 Feet
(At original document size of 11x17)
1:5,400

N

Notes
1. Coordinate System: NAD 1983 StatePlane Iowa North FIPS 1401 Feet
2. Data Sources: ESRI, Stantec
3. Background: 2024 Aerial Photograph (Source: Maxar), 2020 Drone Imagery (Source: Stantec Survey)

Stantec

Project Location
T99N, R36W, S27
Dickinson Co., IA

Prepared by BS on 2026-07-16

Client/Project
Dickinson Landfill, Inc.
2026 Semi-Annual Monitoring Report

227708677

Figure No.
2

Title
Existing Conditions & Monitoring Locations

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Plot Date & Time: 20 July 2026 9:15 AM

E 2500 E 2750 E 3000 E 3250 E 3500 E 3750 E 4000 E 4250 E 4500 E 4750 E 5000 E 5500 E 5750 E 6000

N 5500 N 5250 N 5000 N 4750 N 4500 N 4250 N 4000 N 3750 N 3500 N 3250

190TH ST

COUNTY ROAD M-56

MAINTENANCE SHOP

GP-11 GP-12 GP-13 GP-1 GP-2 GP-3 GP-14 GP-10 GP-7 GP-9 GP-8

MW-10 (SEALED) MW-11A MW-11 (SEALED) MW-12A MW-13A MW-14A MW-15A MW-17A MW-18A (SEALED) MW-19A MW-21A MW-22 (SEALED) MW-23 (SEALED) MW-23A MW-29 (SEALED) MW-34A MW-36A (SEALED) MW-37A MW-38A MW-39A MW-40A MW-41A

GP-4 (SEALED) GP-5 (SEALED) GP-6 (SEALED)

LW-1 (SEALED) LW-1A LW-2 (SEALED) LW-2A LW-3 (SEALED) LW-3A LW-4 (SEALED) LW-4A

EW-1 EW-2 EW-13 EW-20 EW-21 EW-22 EW-23 EW-24 EW-35 EW-37 EW-38 EW-39 EW-40 EW-41 EW-42 EW-43 EW-44 EW-45 EW-46 EW-47 EW-48 EW-49 EW-50 EW-51 EW-52 EW-53 EW-54

REEDS RESIDENTIAL WATER VAULT (MONITORING DISCONTINUED)

EXISTING SCALE & OFFICE

SALVAGING and RECYCLING AREA

WATER SUPPLY VAULT

VERTICAL CONTROL BENCH MARK: CHISELED "X" IN SW CORNER OF APPROACH SLAB, SOUTH SIDE OF EXSTING FOUNDATION. EL.=1537.85'

6" CELL LEACHATE PIPE GROUNDWATER UNDERDRAIN PIPE FIVE FEET BELOW LINER

6" CELL LEACHATE PIPE GROUNDWATER UNDERDRAIN PIPE FIVE FEET BELOW LINER

6" CELL LEACHATE PIPE

GAS COLLECTION PIPE

D2 D1 I H G F E

PERMITTED FOOTPRINT

EXISTING PERMITTED PHASE LIMITS

EXISTING UNLINED MSW DISPOSAL AREA

EXISTING UNLINED CONSTRUCTION AND DEMOLITION WASTE AREA

EXISTING LINED MSW DISPOSAL AREA

APPROXIMATE 2026 CELL D CONSTRUCTION LIMITS

4" SOLID PE PIPE BOTH ENDS (TYP)

4" SOLID PE PIPE ON SIDE SLOPE TO DISTRIBUTION LINE ELEVATION

GAS HEADER PIPE

EXISTING 8" CONDENSATE

6"/10" HDPE, SDR17 DUAL CONTAINMENT LEACHATE HEADER PIPE @ -0.20%

CELL 'A' LEACHATE ACCESS VAULT.

EAST SEDIMENTATION POND

PRELIMINARY SEDIMENTATION BASIN

C PIEZOMETER

CELL "C" LEACHATE ACCESS VAULT

B-R PIEZOMETER

CELL "B" LEACHATE ACCESS VAULT

GROUNDWATER MANHOLE AND ACCESS VAULT

GROUNDWATER EXTRACTION MANHOLE DISCHARGE PIPE

GROUNDWATER HOLDING POND (TO BE DISCONTINUED)

CELL 'A' GROUNDWATER EXTRACTION MANHOLE

LEACHATE WETWELL

VALVE MANHOLE

CELL "A" LEACHATE ACCESS VAULT

MIDDLE SEDIMENTATION POND

MAIN SEDIMENTATION POND

OUTFALL 1 DISCONTINUED

SW-1 (DISCONTINUED)

LEACHATE POND DECOMMISSIONED 2016

GAS HEADER

OUTFALL 2 DISCONTINUED

OUTFALL 2A

LEACHATE POND

PS-1 CK-1

EXISTING TRANSFORMER

GAS FLARE PAD

A1 H2 H3

0 150 300
GRAPHIC SCALE IN FEET

NOTES

1. EXISTING LANDFILL GAS COLLECTION AND CONTROL SYSTEM COMPONENTS PROVIDED BY WASTE MANAGEMENT, INC.
2. ALL HEADER AND LATERAL PIPELINES WITHIN THE LIMITS OF THE WASTE INSTALLED AT A MINIMUM 5% SLOPE.
3. ALL HEADER AND LATERAL PIPELINES OUTSIDE THE LIMITS OF THE WASTE INSTALLED AT A MINIMUM 0.5% SLOPE.
4. ALL FORCEMAIN INSTALLED OUTSIDE THE WASTE IS DUAL CONTAINED HDPE PIPE.

LEGEND

- EW-1 — EXISTING GAS EXTRACTION WELL
- MW-21A — MONITORING WELL LOCATION AND NUMBER
- LW-1 — LEACHATE MONITORING WELL PIEZOMETER
- GP-1 — GAS PROBE
- GP-8 — GAS PROBE DISCONTINUED
- TEMPORARY GAS PROBE (INSTALLED APRIL 2022)
- WATER SUPPLY VAULT
- CLOSURE LIMIT
- PERMITTED WASTE LIMITS
- EXISTING PERMITTED PHASE LIMITS
- FUTURE PERMITTED PHASE LIMITS
- A — PHASE ID
- D — FUTURE PHASE ID
- 1454 — GROUNDWATER UNDERDRAIN SUMP ELEVATION
- LEACHATE COLLECTION SUMP

NOTE:
TOPOGRAPHY TAKEN BY AERIAL SURVEY ON MARCH 10, 2025.

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

SEAL

SUB CONSULTANT

PRIME CONSULTANT

Stantec

PROJECT TITLE
2026 SEMI-ANNUAL MONITORING REPORT

DICKINSON COUNTY LANDFILL
SPIRIT LAKE, IA

SHEET TITLE
EXISTING CONDITIONS AND MONITORING LOCATIONS

DWN BY	CHK'D	APP'D	DWG DATE
JJT	CDK	CJA	JULY 2026

SCALE AS NOTED

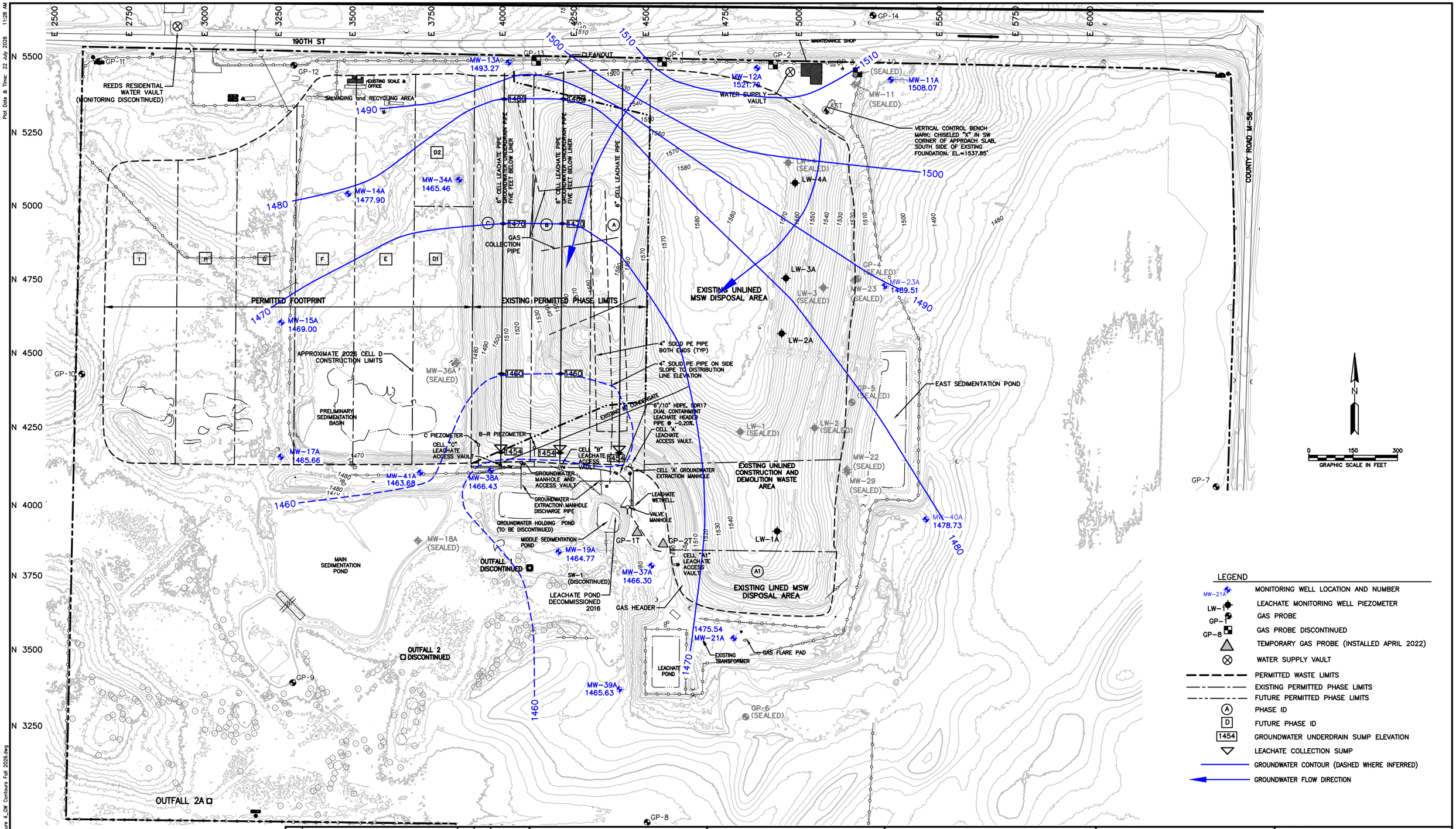
PROJECT NO. 227708677

SHEET NO. FIGURE 3

REV NO.

U:\227708677\drawings\Civil\2026\Figure 3_Proposed GW Network.dwg

Plot Date & Time: 22 July 2026 11:28 AM



LEGEND

- MW-21A — MONITORING WELL LOCATION AND NUMBER
- LW-1 — LEACHATE MONITORING WELL PIEZOMETER
- GP-1 — GAS PROBE
- GP-8 — GAS PROBE DISCONTINUED
- TEMPORARY GAS PROBE (INSTALLED APRIL 2022)
- WATER SUPPLY VAULT
- PERMITTED WASTE LIMITS
- EXISTING PERMITTED PHASE LIMITS
- FUTURE PERMITTED PHASE LIMITS
- (A) PHASE ID
- [D] FUTURE PHASE ID
- 1454 — GROUNDWATER UNDERDRAIN SUMP ELEVATION
- LEACHATE COLLECTION SUMP
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

NOTE:
TOPOGRAPHY TAKEN BY AERIAL SURVEY ON MARCH 10, 2025.

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

SEAL

SUB CONSULTANT

PRIME CONSULTANT

Stantec

PROJECT TITLE
2026 SEMI-ANNUAL MONITORING REPORT

DICKINSON COUNTY LANDFILL
SPIRIT LAKE, IA

SHEET TITLE
GROUNDWATER CONTOURS
MAY 27, 2026

DWN BY	CHK'D	APP'D	DWG DATE	JULY 2026
JJT	NRE	CJA	SCALE	AS NOTED

PROJECT NO.	SHEET NO.	REV NO.
227708677	FIGURE 4	

U:\227708677\drawings\civil\2026\Figure 4_GW Contours Fall 2026.dwg

Attachment A – Spring 2026 Laboratory Analytical Reports (Pace National)

ANALYTICAL REPORT

June 18, 2026

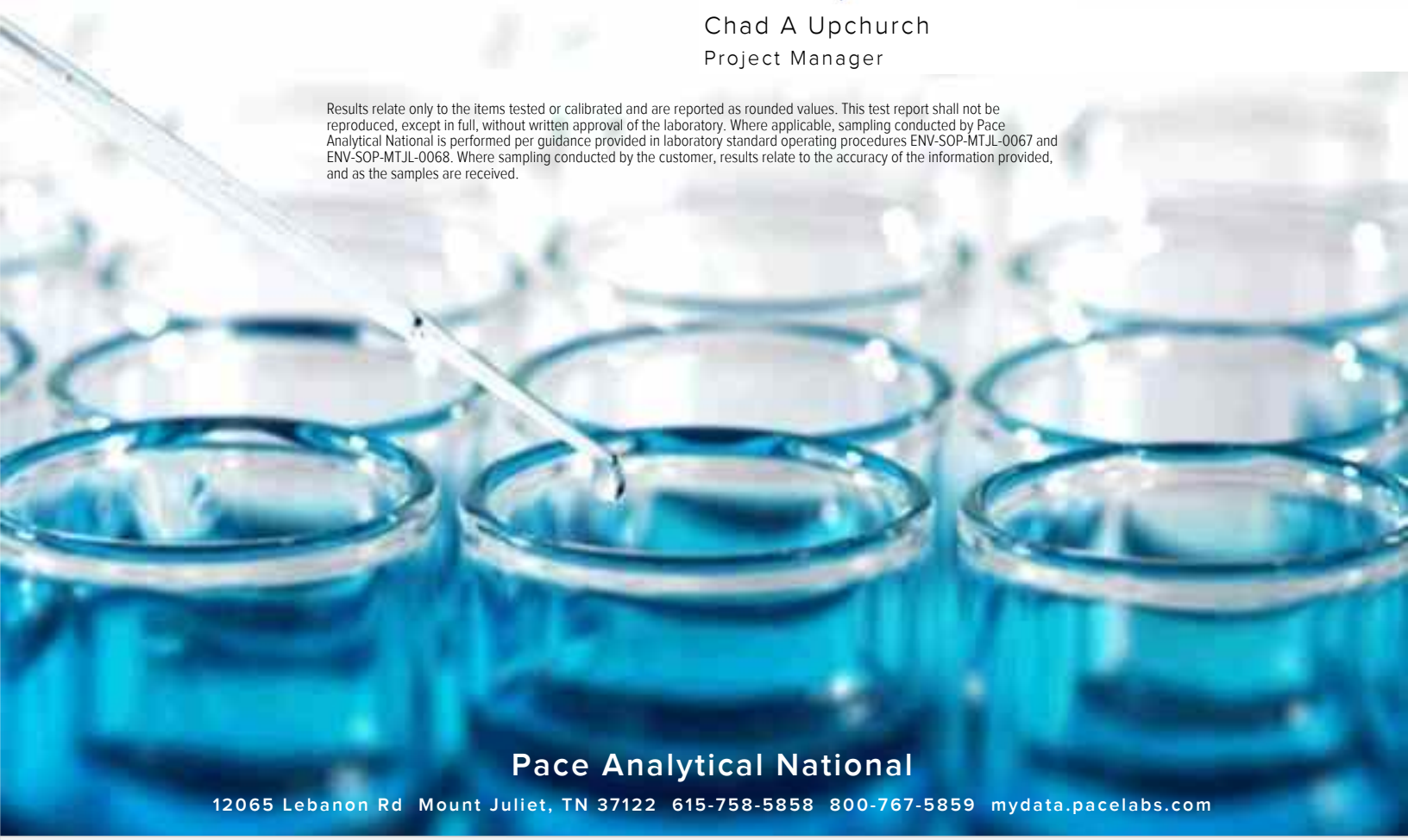
Dickinson Landfill

Sample Delivery Group:	L1978775
Samples Received:	05/28/2026
Project Number:	200
Description:	Semiannual GW Detection & Major Ions (6)
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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MW-11A L1978775-01

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 09:46 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763282	1	05/29/26 16:19	05/29/26 16:19	SGG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 21:46	05/31/26 21:46	DLH	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763671	1	06/03/26 19:53	06/04/26 09:37	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2771473	1	06/10/26 12:42	06/11/26 17:44	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 15:05	05/29/26 15:05	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 05:18	06/03/26 05:18	JAH	Mt. Juliet, TN

MW-13A L1978775-02

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 09:47 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763282	1	05/29/26 16:23	05/29/26 16:23	SGG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 21:56	05/31/26 21:56	DLH	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763671	1	06/03/26 19:53	06/04/26 09:46	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2771473	1	06/10/26 12:42	06/11/26 17:46	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 15:26	05/29/26 15:26	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 05:38	06/03/26 05:38	JAH	Mt. Juliet, TN

MW-21A L1978775-03

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 11:18 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763282	1	05/29/26 15:22	05/29/26 15:22	SGG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 22:06	05/31/26 22:06	DLH	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763671	1	06/03/26 19:53	06/04/26 09:48	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2771473	1	06/10/26 12:42	06/11/26 18:35	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 15:48	05/29/26 15:48	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 05:58	06/03/26 05:58	JAH	Mt. Juliet, TN

MW-34A L1978775-04

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 09:48 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763282	1	05/29/26 15:30	05/29/26 15:30	SGG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 22:16	05/31/26 22:16	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	10	05/31/26 22:26	05/31/26 22:26	DLH	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763671	1	06/03/26 19:53	06/04/26 09:51	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2771473	1	06/10/26 12:42	06/11/26 18:38	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 16:09	05/29/26 16:09	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 06:18	06/03/26 06:18	JAH	Mt. Juliet, TN

MW-39A L1978775-05

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 11:18 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763285	1	05/31/26 13:33	05/31/26 13:33	BDP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 22:36	05/31/26 22:36	DLH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-39A L1978775-05

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 11:18 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010C	WG2763671	1	06/03/26 19:53	06/04/26 09:53	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2771473	1	06/10/26 12:42	06/11/26 18:40	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 16:31	05/29/26 16:31	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 06:38	06/03/26 06:38	JAH	Mt. Juliet, TN

MW-40A L1978775-06

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 11:47 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763282	1	05/29/26 15:34	05/29/26 15:34	SGG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 22:47	05/31/26 22:47	DLH	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763671	1	06/03/26 19:53	06/04/26 10:00	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2771473	1	06/10/26 12:42	06/11/26 18:43	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 16:52	05/29/26 16:52	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 06:58	06/03/26 06:58	JAH	Mt. Juliet, TN

FIELD BLANK L1978775-07

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 09:30 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 17:14	05/29/26 17:14	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 04:58	06/03/26 04:58	JAH	Mt. Juliet, TN

TRIP BLANK L1978775-08

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 07:00 | Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 12:35	05/29/26 12:35	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 03:58	06/03/26 03:58	JAH	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Wet Chemistry by Method 9056A

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2763071	(MS) R4381224-4, (MSD) R4381224-5	Chloride and Sulfate

Volatile Organic Compounds (GC/MS) by Method 8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2766215	L1978775-01	Bromomethane and Vinyl acetate
WG2766215	L1978775-02	Bromomethane and Vinyl acetate
WG2766215	L1978775-03	Bromomethane and Vinyl acetate
WG2766215	L1978775-04	Bromomethane and Vinyl acetate
WG2766215	L1978775-05	Bromomethane and Vinyl acetate
WG2766215	L1978775-06	Bromomethane and Vinyl acetate
WG2766215	L1978775-07	Bromomethane and Vinyl acetate
WG2766215	L1978775-08	Bromomethane and Vinyl acetate

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2766215	(LCSD) R4382754-2, L1978775-01, 02, 03, 04, 05, 06, 07, 08	Acetone

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2766215	(LCSD) R4382754-2, L1978775-01, 02, 03, 04, 05, 06, 07, 08	Bromomethane and Iodomethane

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	24.32	ftmsl
pH (On Site)	7.16	su
Specific Conductance (on site)	1043	umhos/cm
Temperature (on-site)	10.4	Deg. C
Turbidity (on-site)	0	NTU
Dissolved Oxygen (on-site)	3.2	mg/l
eH/ORP (On Site)	181.9	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	16.2		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	417		20.0	1	05/29/2026 16:19	WG2763282
Alkalinity,Carbonate	ND		20.0	1	05/29/2026 16:19	WG2763282

Sample Narrative:

L1978775-01 WG2763282: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	27.6		1.00	1	05/31/2026 21:46	WG2763071
Sulfate	33.8		5.00	1	05/31/2026 21:46	WG2763071

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 09:37	WG2763671
Arsenic	ND		0.0100	1	06/04/2026 09:37	WG2763671
Barium	0.245		0.0200	1	06/04/2026 09:37	WG2763671
Beryllium	ND		0.00400	1	06/04/2026 09:37	WG2763671
Calcium	131		1.00	1	06/04/2026 09:37	WG2763671
Cadmium	ND		0.00500	1	06/04/2026 09:37	WG2763671
Chromium	ND		0.0100	1	06/04/2026 09:37	WG2763671
Copper	ND		0.0100	1	06/04/2026 09:37	WG2763671
Potassium	2.84		1.00	1	06/04/2026 09:37	WG2763671
Magnesium	48.4		1.00	1	06/04/2026 09:37	WG2763671
Sodium	6.41		1.00	1	06/04/2026 09:37	WG2763671
Nickel	ND		0.0100	1	06/04/2026 09:37	WG2763671
Lead	ND		0.0100	1	06/04/2026 09:37	WG2763671
Vanadium	ND		0.0200	1	06/04/2026 09:37	WG2763671
Zinc	ND		0.0500	1	06/04/2026 09:37	WG2763671

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	ND		0.00200	1	06/11/2026 17:44	WG2771473
Antimony	ND		0.00600	1	06/11/2026 17:44	WG2771473
Selenium	ND		0.0100	1	06/11/2026 17:44	WG2771473

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Thallium	ND		0.00200	1	06/11/2026 17:44	WG2771473

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 05:18	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 15:05	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 05:18	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 15:05	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 05:18	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 15:05	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 05:18	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 05:18	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 05:18	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 05:18	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 05:18	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 05:18	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 05:18	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 05:18	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 05:18	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 05:18	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 05:18	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 05:18	WG2766215
Benzene	ND		1.00	1	06/03/2026 05:18	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 05:18	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 05:18	WG2766215
Bromoform	ND		1.00	1	06/03/2026 05:18	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 05:18	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 05:18	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 05:18	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 05:18	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 05:18	WG2766215
Chloroform	ND		1.00	1	06/03/2026 05:18	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 05:18	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 05:18	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 05:18	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 05:18	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 05:18	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 05:18	WG2766215
Styrene	ND		1.00	1	06/03/2026 05:18	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 05:18	WG2766215
Toluene	ND		1.00	1	06/03/2026 05:18	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 05:18	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 05:18	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 05:18	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 05:18	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 05:18	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 05:18	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 05:18	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 05:18	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 05:18	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 05:18	WG2766215
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*	*06/03/2026 05:18*	WG2766215
(S) Toluene-d8	*99.8*			*75.0-131*	*06/03/2026 05:18*	WG2766215
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*	*06/03/2026 05:18*	WG2766215

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	16.59	ftmsl
pH (On Site)	6.47	su
Specific Conductance (on site)	912	umhos/cm
Temperature (on-site)	10.2	Deg. C
Turbidity (on-site)	10.5	NTU
Dissolved Oxygen (on-site)	0.7	mg/l
eH/ORP (On Site)	66.2	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Suspended Solids	3.50		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Alkalinity,Bicarbonate	452		20.0	1	05/29/2026 16:23	WG2763282
Alkalinity,Carbonate	ND		20.0	1	05/29/2026 16:23	WG2763282

Sample Narrative:

L1978775-02 WG2763282: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chloride	27.5		1.00	1	05/31/2026 21:56	WG2763071
Sulfate	12.4		5.00	1	05/31/2026 21:56	WG2763071

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver	ND		0.0100	1	06/04/2026 09:46	WG2763671
Arsenic	ND		0.0100	1	06/04/2026 09:46	WG2763671
Barium	0.381		0.0200	1	06/04/2026 09:46	WG2763671
Beryllium	ND		0.00400	1	06/04/2026 09:46	WG2763671
Calcium	126		1.00	1	06/04/2026 09:46	WG2763671
Cadmium	ND		0.00500	1	06/04/2026 09:46	WG2763671
Chromium	ND		0.0100	1	06/04/2026 09:46	WG2763671
Copper	ND		0.0100	1	06/04/2026 09:46	WG2763671
Potassium	2.49		1.00	1	06/04/2026 09:46	WG2763671
Magnesium	42.7		1.00	1	06/04/2026 09:46	WG2763671
Sodium	7.06		1.00	1	06/04/2026 09:46	WG2763671
Nickel	ND		0.0100	1	06/04/2026 09:46	WG2763671
Lead	ND		0.0100	1	06/04/2026 09:46	WG2763671
Vanadium	ND		0.0200	1	06/04/2026 09:46	WG2763671
Zinc	ND		0.0500	1	06/04/2026 09:46	WG2763671

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	ND		0.00200	1	06/11/2026 17:46	WG2771473
Antimony	ND		0.00600	1	06/11/2026 17:46	WG2771473
Selenium	ND		0.0100	1	06/11/2026 17:46	WG2771473

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Thallium	ND		0.00200	1	06/11/2026 17:46	WG2771473

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 05:38	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 15:26	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 05:38	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 15:26	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 05:38	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 15:26	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 05:38	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 05:38	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 05:38	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 05:38	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 05:38	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 05:38	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 05:38	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 05:38	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 05:38	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 05:38	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 05:38	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 05:38	WG2766215
Benzene	ND		1.00	1	06/03/2026 05:38	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 05:38	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 05:38	WG2766215
Bromoform	ND		1.00	1	06/03/2026 05:38	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 05:38	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 05:38	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 05:38	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 05:38	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 05:38	WG2766215
Chloroform	ND		1.00	1	06/03/2026 05:38	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 05:38	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 05:38	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 05:38	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 05:38	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 05:38	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 05:38	WG2766215
Styrene	ND		1.00	1	06/03/2026 05:38	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 05:38	WG2766215
Toluene	ND		1.00	1	06/03/2026 05:38	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 05:38	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 05:38	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 05:38	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 05:38	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 05:38	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 05:38	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 05:38	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 05:38	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 05:38	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 05:38	WG2766215
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*	*06/03/2026 05:38*	WG2766215
(S) Toluene-d8	*101*			*75.0-131*	*06/03/2026 05:38*	WG2766215
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*	*06/03/2026 05:38*	WG2766215

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	24.34	ftmsl
pH (On Site)	6.97	su
Specific Conductance (on site)	875	umhos/cm
Temperature (on-site)	12.5	Deg. C
Turbidity (on-site)	7	NTU
Dissolved Oxygen (on-site)	3.3	mg/l
eH/ORP (On Site)	68.7	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	ND		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	367		20.0	1	05/29/2026 15:22	WG2763282
Alkalinity,Carbonate	ND		20.0	1	05/29/2026 15:22	WG2763282

Sample Narrative:

L1978775-03 WG2763282: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	25.8		1.00	1	05/31/2026 22:06	WG2763071
Sulfate	71.0		5.00	1	05/31/2026 22:06	WG2763071

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 09:48	WG2763671
Arsenic	ND		0.0100	1	06/04/2026 09:48	WG2763671
Barium	0.301		0.0200	1	06/04/2026 09:48	WG2763671
Beryllium	ND		0.00400	1	06/04/2026 09:48	WG2763671
Calcium	121		1.00	1	06/04/2026 09:48	WG2763671
Cadmium	ND		0.00500	1	06/04/2026 09:48	WG2763671
Chromium	ND		0.0100	1	06/04/2026 09:48	WG2763671
Copper	ND		0.0100	1	06/04/2026 09:48	WG2763671
Potassium	3.73		1.00	1	06/04/2026 09:48	WG2763671
Magnesium	43.7		1.00	1	06/04/2026 09:48	WG2763671
Sodium	8.06		1.00	1	06/04/2026 09:48	WG2763671
Nickel	ND		0.0100	1	06/04/2026 09:48	WG2763671
Lead	ND		0.0100	1	06/04/2026 09:48	WG2763671
Vanadium	ND		0.0200	1	06/04/2026 09:48	WG2763671
Zinc	ND		0.0500	1	06/04/2026 09:48	WG2763671

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	ND		0.00200	1	06/11/2026 18:35	WG2771473
Antimony	ND		0.00600	1	06/11/2026 18:35	WG2771473
Selenium	ND		0.0100	1	06/11/2026 18:35	WG2771473

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Thallium	ND		0.00200	1	06/11/2026 18:35	WG2771473

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 05:58	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 15:48	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 05:58	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 15:48	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 05:58	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 15:48	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 05:58	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 05:58	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 05:58	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 05:58	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 05:58	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 05:58	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 05:58	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 05:58	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 05:58	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 05:58	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 05:58	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 05:58	WG2766215
Benzene	ND		1.00	1	06/03/2026 05:58	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 05:58	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 05:58	WG2766215
Bromoform	ND		1.00	1	06/03/2026 05:58	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 05:58	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 05:58	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 05:58	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 05:58	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 05:58	WG2766215
Chloroform	ND		1.00	1	06/03/2026 05:58	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 05:58	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 05:58	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 05:58	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 05:58	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 05:58	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 05:58	WG2766215
Styrene	ND		1.00	1	06/03/2026 05:58	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 05:58	WG2766215
Toluene	ND		1.00	1	06/03/2026 05:58	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 05:58	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 05:58	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 05:58	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 05:58	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 05:58	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 05:58	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 05:58	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 05:58	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 05:58	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 05:58	WG2766215
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*	*06/03/2026 05:58*	WG2766215
(S) Toluene-d8	*98.1*			*75.0-131*	*06/03/2026 05:58*	WG2766215
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*	*06/03/2026 05:58*	WG2766215

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	21.47	ftmsl
pH (On Site)	6.39	su
Specific Conductance (on site)	1378	umhos/cm
Temperature (on-site)	10.9	Deg. C
Turbidity (on-site)	13.2	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	81.7	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Suspended Solids	6.25		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Alkalinity,Bicarbonate	507		20.0	1	05/29/2026 15:30	WG2763282
Alkalinity,Carbonate	ND		20.0	1	05/29/2026 15:30	WG2763282

Sample Narrative:

L1978775-04 WG2763282: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chloride	7.15		1.00	1	05/31/2026 22:16	WG2763071
Sulfate	329		5.00	10	05/31/2026 22:26	WG2763071

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver	ND		0.0100	1	06/04/2026 09:51	WG2763671
Arsenic	ND		0.0100	1	06/04/2026 09:51	WG2763671
Barium	0.0331		0.0200	1	06/04/2026 09:51	WG2763671
Beryllium	ND		0.00400	1	06/04/2026 09:51	WG2763671
Calcium	221		1.00	1	06/04/2026 09:51	WG2763671
Cadmium	ND		0.00500	1	06/04/2026 09:51	WG2763671
Chromium	ND		0.0100	1	06/04/2026 09:51	WG2763671
Copper	ND		0.0100	1	06/04/2026 09:51	WG2763671
Potassium	6.76		1.00	1	06/04/2026 09:51	WG2763671
Magnesium	60.2		1.00	1	06/04/2026 09:51	WG2763671
Sodium	13.7		1.00	1	06/04/2026 09:51	WG2763671
Nickel	ND		0.0100	1	06/04/2026 09:51	WG2763671
Lead	ND		0.0100	1	06/04/2026 09:51	WG2763671
Vanadium	ND		0.0200	1	06/04/2026 09:51	WG2763671
Zinc	ND		0.0500	1	06/04/2026 09:51	WG2763671

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	ND		0.00200	1	06/11/2026 18:38	WG2771473
Antimony	ND		0.00600	1	06/11/2026 18:38	WG2771473
Selenium	ND		0.0100	1	06/11/2026 18:38	WG2771473

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Thallium	ND		0.00200	1	06/11/2026 18:38	WG2771473

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 06:18	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 16:09	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 06:18	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 16:09	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 06:18	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 16:09	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 06:18	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 06:18	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 06:18	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 06:18	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 06:18	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 06:18	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 06:18	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 06:18	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 06:18	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 06:18	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 06:18	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 06:18	WG2766215
Benzene	ND		1.00	1	06/03/2026 06:18	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 06:18	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 06:18	WG2766215
Bromoform	ND		1.00	1	06/03/2026 06:18	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 06:18	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 06:18	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 06:18	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 06:18	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 06:18	WG2766215
Chloroform	ND		1.00	1	06/03/2026 06:18	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 06:18	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 06:18	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 06:18	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 06:18	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 06:18	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 06:18	WG2766215
Styrene	ND		1.00	1	06/03/2026 06:18	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 06:18	WG2766215
Toluene	ND		1.00	1	06/03/2026 06:18	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 06:18	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 06:18	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 06:18	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 06:18	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 06:18	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 06:18	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 06:18	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 06:18	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 06:18	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 06:18	WG2766215
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*	*06/03/2026 06:18*	WG2766215
(S) Toluene-d8	*98.1*			*75.0-131*	*06/03/2026 06:18*	WG2766215
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*	*06/03/2026 06:18*	WG2766215

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	12.97	ftmsl
pH (On Site)	7.06	su
Specific Conductance (on site)	735	umhos/cm
Temperature (on-site)	8.6	Deg. C
Turbidity (on-site)	44.7	NTU
Dissolved Oxygen (on-site)	12.1	mg/l
eH/ORP (On Site)	96.3	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	29.7		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	306		20.0	1	05/31/2026 13:33	WG2763285
Alkalinity,Carbonate	ND		20.0	1	05/31/2026 13:33	WG2763285

Sample Narrative:

L1978775-05 WG2763285: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	32.0		1.00	1	05/31/2026 22:36	WG2763071
Sulfate	ND		5.00	1	05/31/2026 22:36	WG2763071

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 09:53	WG2763671
Arsenic	ND		0.0100	1	06/04/2026 09:53	WG2763671
Barium	0.232		0.0200	1	06/04/2026 09:53	WG2763671
Beryllium	ND		0.00400	1	06/04/2026 09:53	WG2763671
Calcium	105		1.00	1	06/04/2026 09:53	WG2763671
Cadmium	ND		0.00500	1	06/04/2026 09:53	WG2763671
Chromium	ND		0.0100	1	06/04/2026 09:53	WG2763671
Copper	ND		0.0100	1	06/04/2026 09:53	WG2763671
Potassium	ND		1.00	1	06/04/2026 09:53	WG2763671
Magnesium	33.1		1.00	1	06/04/2026 09:53	WG2763671
Sodium	5.00		1.00	1	06/04/2026 09:53	WG2763671
Nickel	ND		0.0100	1	06/04/2026 09:53	WG2763671
Lead	ND		0.0100	1	06/04/2026 09:53	WG2763671
Vanadium	ND		0.0200	1	06/04/2026 09:53	WG2763671
Zinc	ND		0.0500	1	06/04/2026 09:53	WG2763671

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	ND		0.00200	1	06/11/2026 18:40	WG2771473
Antimony	ND		0.00600	1	06/11/2026 18:40	WG2771473
Selenium	ND		0.0100	1	06/11/2026 18:40	WG2771473

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Thallium	ND		0.00200	1	06/11/2026 18:40	WG2771473

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 06:38	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 16:31	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 06:38	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 16:31	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 06:38	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 16:31	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 06:38	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 06:38	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 06:38	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 06:38	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 06:38	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 06:38	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 06:38	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 06:38	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 06:38	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 06:38	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 06:38	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 06:38	WG2766215
Benzene	ND		1.00	1	06/03/2026 06:38	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 06:38	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 06:38	WG2766215
Bromoform	ND		1.00	1	06/03/2026 06:38	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 06:38	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 06:38	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 06:38	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 06:38	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 06:38	WG2766215
Chloroform	ND		1.00	1	06/03/2026 06:38	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 06:38	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 06:38	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 06:38	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 06:38	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 06:38	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 06:38	WG2766215
Styrene	ND		1.00	1	06/03/2026 06:38	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 06:38	WG2766215
Toluene	1.34		1.00	1	06/03/2026 06:38	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 06:38	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 06:38	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 06:38	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 06:38	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 06:38	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 06:38	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 06:38	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 06:38	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 06:38	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 06:38	WG2766215
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*	*06/03/2026 06:38*	WG2766215
(S) Toluene-d8	*102*			*75.0-131*	*06/03/2026 06:38*	WG2766215
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*	*06/03/2026 06:38*	WG2766215

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	18.18	ftmsl
pH (On Site)	7.16	su
Specific Conductance (on site)	658	umhos/cm
Temperature (on-site)	9.4	Deg. C
Turbidity (on-site)	10.8	NTU
Dissolved Oxygen (on-site)	8.7	mg/l
eH/ORP (On Site)	99.9	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Suspended Solids	67.2		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Alkalinity,Bicarbonate	350		20.0	1	05/29/2026 15:34	WG2763282
Alkalinity,Carbonate	ND		20.0	1	05/29/2026 15:34	WG2763282

Sample Narrative:

L1978775-06 WG2763282: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chloride	7.95		1.00	1	05/31/2026 22:47	WG2763071
Sulfate	18.0		5.00	1	05/31/2026 22:47	WG2763071

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver	ND		0.0100	1	06/04/2026 10:00	WG2763671
Arsenic	ND		0.0100	1	06/04/2026 10:00	WG2763671
Barium	0.224		0.0200	1	06/04/2026 10:00	WG2763671
Beryllium	ND		0.00400	1	06/04/2026 10:00	WG2763671
Calcium	98.3		1.00	1	06/04/2026 10:00	WG2763671
Cadmium	ND		0.00500	1	06/04/2026 10:00	WG2763671
Chromium	ND		0.0100	1	06/04/2026 10:00	WG2763671
Copper	ND		0.0100	1	06/04/2026 10:00	WG2763671
Potassium	1.99		1.00	1	06/04/2026 10:00	WG2763671
Magnesium	35.2		1.00	1	06/04/2026 10:00	WG2763671
Sodium	4.94		1.00	1	06/04/2026 10:00	WG2763671
Nickel	ND		0.0100	1	06/04/2026 10:00	WG2763671
Lead	ND		0.0100	1	06/04/2026 10:00	WG2763671
Vanadium	ND		0.0200	1	06/04/2026 10:00	WG2763671
Zinc	ND		0.0500	1	06/04/2026 10:00	WG2763671

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	ND		0.00200	1	06/11/2026 18:43	WG2771473
Antimony	ND		0.00600	1	06/11/2026 18:43	WG2771473
Selenium	ND		0.0100	1	06/11/2026 18:43	WG2771473

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Thallium	ND		0.00200	1	06/11/2026 18:43	WG2771473

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 06:58	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 16:52	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 06:58	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 16:52	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 06:58	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 16:52	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 06:58	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 06:58	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 06:58	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 06:58	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 06:58	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 06:58	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 06:58	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 06:58	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 06:58	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 06:58	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 06:58	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 06:58	WG2766215
Benzene	ND		1.00	1	06/03/2026 06:58	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 06:58	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 06:58	WG2766215
Bromoform	ND		1.00	1	06/03/2026 06:58	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 06:58	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 06:58	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 06:58	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 06:58	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 06:58	WG2766215
Chloroform	ND		1.00	1	06/03/2026 06:58	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 06:58	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 06:58	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 06:58	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 06:58	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 06:58	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 06:58	WG2766215
Styrene	ND		1.00	1	06/03/2026 06:58	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 06:58	WG2766215
Toluene	ND		1.00	1	06/03/2026 06:58	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 06:58	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 06:58	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 06:58	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 06:58	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 06:58	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 06:58	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 06:58	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 06:58	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 06:58	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 06:58	WG2766215
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*	*06/03/2026 06:58*	WG2766215
(S) Toluene-d8	*99.5*			*75.0-131*	*06/03/2026 06:58*	WG2766215
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*	*06/03/2026 06:58*	WG2766215

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 04:58	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 17:14	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 04:58	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 17:14	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 04:58	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 17:14	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 04:58	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 04:58	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 04:58	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 04:58	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 04:58	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 04:58	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 04:58	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 04:58	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 04:58	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 04:58	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 04:58	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 04:58	WG2766215
Benzene	ND		1.00	1	06/03/2026 04:58	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 04:58	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 04:58	WG2766215
Bromoform	ND		1.00	1	06/03/2026 04:58	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 04:58	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 04:58	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 04:58	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 04:58	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 04:58	WG2766215
Chloroform	ND		1.00	1	06/03/2026 04:58	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 04:58	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 04:58	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 04:58	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 04:58	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 04:58	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 04:58	WG2766215
Styrene	ND		1.00	1	06/03/2026 04:58	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 04:58	WG2766215
Toluene	ND		1.00	1	06/03/2026 04:58	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 04:58	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 04:58	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 04:58	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 04:58	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 04:58	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 04:58	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 04:58	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 04:58	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 04:58	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 04:58	WG2766215
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*	*06/03/2026 04:58*	WG2766215
(S) Toluene-d8	*101*			*75.0-131*	*06/03/2026 04:58*	WG2766215
(S) 4-Bromofluorobenzene	*101*			*67.0-138*	*06/03/2026 04:58*	WG2766215

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 03:58	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 12:35	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 03:58	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 12:35	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 03:58	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 12:35	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 03:58	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 03:58	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 03:58	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 03:58	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 03:58	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 03:58	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 03:58	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 03:58	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 03:58	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 03:58	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 03:58	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 03:58	WG2766215
Benzene	ND		1.00	1	06/03/2026 03:58	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 03:58	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 03:58	WG2766215
Bromoform	ND		1.00	1	06/03/2026 03:58	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 03:58	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 03:58	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 03:58	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 03:58	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 03:58	WG2766215
Chloroform	ND		1.00	1	06/03/2026 03:58	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 03:58	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 03:58	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 03:58	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 03:58	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 03:58	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 03:58	WG2766215
Styrene	ND		1.00	1	06/03/2026 03:58	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 03:58	WG2766215
Toluene	ND		1.00	1	06/03/2026 03:58	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 03:58	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 03:58	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 03:58	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 03:58	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 03:58	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 03:58	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 03:58	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 03:58	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 03:58	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 03:58	WG2766215
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*	*06/03/2026 03:58*	WG2766215
(S) Toluene-d8	*102*			*75.0-131*	*06/03/2026 03:58*	WG2766215
(S) 4-Bromofluorobenzene	*103*			*67.0-138*	*06/03/2026 03:58*	WG2766215

Method Blank (MB)

(MB) R4380530-1 05/29/26 08:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1978765-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1978765-03 05/29/26 08:07 • (DUP) R4380530-3 05/29/26 08:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	63.2	64.8	1	2.50		10

L1978775-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1978775-06 05/29/26 08:07 • (DUP) R4380530-4 05/29/26 08:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	67.2	68.8	1	2.35		10

Laboratory Control Sample (LCS)

(LCS) R4380530-2 05/29/26 08:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	850	110	85.0-115	

Method Blank (MB)

(MB) R4380484-2 05/29/26 15:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1978775-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1978775-03 05/29/26 15:22 • (DUP) R4380484-3 05/29/26 15:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	367	362	1	1.39		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1978100-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978100-01 05/29/26 17:28 • (DUP) R4380484-4 05/29/26 17:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	47.9	47.7	1	0.331		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R4380896-2 05/31/26 10:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1978731-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1978731-04 05/31/26 11:29 • (DUP) R4380896-3 05/31/26 11:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	300	308	1	2.71		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1978775-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1978775-05 05/31/26 13:33 • (DUP) R4380896-4 05/31/26 13:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	306	300	1	2.05		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R4381224-1 05/31/26 17:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.128	J	0.0519	1.00
Sulfate	0.273	J	0.0774	5.00

L1978765-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1978765-02 05/31/26 19:34 • (DUP) R4381224-3 05/31/26 19:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	57.4	59.1	1	2.89		15
Sulfate	60.0	61.8	1	3.00		15

L1978765-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1978765-04 05/31/26 20:25 • (DUP) R4381224-6 05/31/26 20:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	6.02	6.04	1	0.282		15
Sulfate	ND	ND	1	10.8		15

Laboratory Control Sample (LCS)

(LCS) R4381224-2 05/31/26 17:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.2	95.6	80.0-120	
Sulfate	40.0	38.3	95.9	80.0-120	

L1978765-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978765-02 05/31/26 19:34 • (MS) R4381224-4 05/31/26 19:54 • (MSD) R4381224-5 05/31/26 20:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	57.4	86.0	86.4	71.5	72.6	1	80.0-120	J6	J6	0.520	15
Sulfate	40.0	60.0	88.3	89.2	71.0	73.2	1	80.0-120	J6	J6	0.997	15

L1978765-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978765-04 05/31/26 20:25 • (MS) R4381224-7 05/31/26 20:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	6.02	44.2	95.3	1	80.0-120	
Sulfate	40.0	ND	42.4	93.9	1	80.0-120	

Method Blank (MB)

(MB) R4382687-1 06/04/26 09:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Calcium	0.392	J	0.0463	1.00
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Potassium	ND		0.102	1.00
Magnesium	0.0813	J	0.0111	1.00
Sodium	0.0347	J	0.0111	1.00
Nickel	ND		0.00490	0.0100
Lead	ND		0.00190	0.00500
Vanadium	ND		0.00240	0.0200
Zinc	ND		0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4382687-2 06/04/26 09:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.194	97.2	80.0-120	
Arsenic	1.00	0.957	95.7	80.0-120	
Barium	1.00	1.01	101	80.0-120	
Beryllium	1.00	1.03	103	80.0-120	
Calcium	10.0	10.5	105	80.0-120	
Cadmium	1.00	1.01	101	80.0-120	
Chromium	1.00	1.01	101	80.0-120	
Copper	1.00	0.992	99.2	80.0-120	
Potassium	10.0	10.3	103	80.0-120	
Magnesium	10.0	9.95	99.5	80.0-120	
Sodium	10.0	10.5	105	80.0-120	
Nickel	1.00	0.990	99.0	80.0-120	
Lead	1.00	1.01	101	80.0-120	
Vanadium	1.00	1.00	100	80.0-120	
Zinc	1.00	0.992	99.2	80.0-120	

L1978775-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978775-01 06/04/26 09:37 • (MS) R4382687-4 06/04/26 09:41 • (MSD) R4382687-5 06/04/26 09:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.197	0.196	98.3	97.8	1	75.0-125			0.545	20
Arsenic	1.00	ND	0.974	0.966	97.4	96.6	1	75.0-125			0.847	20
Barium	1.00	0.245	1.24	1.23	99.9	98.5	1	75.0-125			1.16	20
Beryllium	1.00	ND	1.02	1.02	102	102	1	75.0-125			0.144	20
Calcium	10.0	131	141	140	97.5	88.5	1	75.0-125			0.640	20
Cadmium	1.00	ND	1.02	1.01	102	101	1	75.0-125			0.626	20
Chromium	1.00	ND	0.985	0.987	98.5	98.7	1	75.0-125			0.219	20
Copper	1.00	ND	0.994	0.995	99.4	99.5	1	75.0-125			0.124	20
Potassium	10.0	2.84	13.0	13.1	101	102	1	75.0-125			0.796	20
Magnesium	10.0	48.4	58.0	57.6	95.5	91.4	1	75.0-125			0.714	20
Sodium	10.0	6.41	16.5	16.6	101	102	1	75.0-125			0.586	20
Nickel	1.00	ND	0.996	0.983	99.6	98.3	1	75.0-125			1.25	20
Lead	1.00	ND	1.01	1.00	101	100	1	75.0-125			0.992	20
Vanadium	1.00	ND	0.986	0.987	98.6	98.7	1	75.0-125			0.0738	20
Zinc	1.00	ND	0.995	0.984	99.5	98.4	1	75.0-125			1.08	20

Method Blank (MB)

(MB) R4386249-1 06/11/26 17:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	ND		0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4386249-2 06/11/26 17:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0506	101	80.0-120	
Antimony	0.0500	0.0474	94.8	80.0-120	
Selenium	0.0500	0.0483	96.6	80.0-120	
Thallium	0.0500	0.0455	91.0	80.0-120	

L1979488-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979488-08 06/11/26 19:47 • (MS) R4386249-7 06/11/26 19:52 • (MSD) R4386249-8 06/11/26 19:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	0.0135	0.0640	0.0618	101	96.7	10	75.0-125			3.39	20
Antimony	0.0500	ND	0.0535	0.0513	107	103	10	75.0-125			4.08	20
Selenium	0.0500	ND	0.0515	0.0505	103	101	10	75.0-125			2.12	20
Thallium	0.0500	ND	0.0476	0.0477	95.2	95.3	10	75.0-125			0.0684	20

Method Blank (MB)

(MB) R4380914-2 05/29/26 11:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	ND		0.00200	0.00500
1,2-Dibromo-3-Chloropropane	ND		0.000520	0.00500
1,2-Dibromoethane	ND		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R4380914-1 05/29/26 11:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0480	96.0	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0500	0.0630	126	70.0-130	
1,2-Dibromoethane	0.0500	0.0510	102	70.0-130	

Method Blank (MB)

(MB) R4382754-3 06/03/26 03:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.0379	0.100
1,1,1-Trichloroethane	ND		0.0369	0.100
1,1,2,2-Tetrachloroethane	ND		0.0278	0.100
1,1,2-Trichloroethane	ND		0.0239	0.100
1,1-Dichloroethane	ND		0.0196	0.100
1,1-Dichloroethene	ND		0.0242	0.100
1,2-Dichlorobenzene	ND		0.0170	0.200
1,2-Dichloroethane	ND		0.0260	0.100
1,2-Dichloropropane	ND		0.0568	0.200
1,4-Dichlorobenzene	ND		0.0280	0.200
2-Butanone (MEK)	ND		2.54	4.00
2-Hexanone	ND		0.134	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0912	1.00
Acetone	ND		1.46	2.00
Acrylonitrile	ND		0.144	0.500
Benzene	ND		0.0187	0.0400
Bromochloromethane	ND		0.0226	0.200
Bromodichloromethane	ND		0.0290	0.100
Bromoform	ND		0.0468	0.500
Bromomethane	ND		0.0788	0.500
Carbon disulfide	ND		0.0280	0.500
Carbon tetrachloride	ND		0.0359	0.200
Chlorobenzene	ND		0.00840	0.100
Chloroethane	ND		0.0680	0.200
Chloroform	0.114		0.0412	0.100
Chloromethane	ND		0.174	0.500
Dibromochloromethane	ND		0.0245	0.100
Dibromomethane	ND		0.0300	0.200
Ethylbenzene	ND		0.0295	0.100
Iodomethane	0.362	J	0.0928	0.500
Methylene Chloride	ND		0.266	1.00
Styrene	ND		0.00916	0.500
Tetrachloroethene	ND		0.0358	0.100
Toluene	ND		0.0520	0.200
Trichloroethene	ND		0.0234	0.0400
Trichlorofluoromethane	ND		0.0331	0.100
Vinyl acetate	ND		0.102	0.500
Vinyl chloride	ND		0.0462	0.0500
Xylenes, Total	ND		0.0352	0.260
cis-1,2-Dichloroethene	ND		0.0294	0.100

Method Blank (MB)

(MB) R4382754-3 06/03/26 03:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,3-Dichloropropene	ND		0.0303	0.100
trans-1,2-Dichloroethene	ND		0.0416	0.200
trans-1,3-Dichloropropene	ND		0.0456	0.200
trans-1,4-Dichloro-2-butene	ND		0.0744	0.200
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4382754-1 06/03/26 00:38 • (LCSD) R4382754-2 06/03/26 00:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	10.0	10.2	10.4	102	104	74.0-129			1.94	20
1,1,1-Trichloroethane	10.0	10.3	11.3	103	113	69.0-126			9.26	20
1,1,2,2-Tetrachloroethane	10.0	9.41	9.17	94.1	91.7	68.0-128			2.58	20
1,1,2-Trichloroethane	10.0	10.6	10.3	106	103	78.0-123			2.87	20
1,1-Dichloroethane	10.0	10.1	11.0	101	110	70.0-127			8.53	20
1,1-Dichloroethene	10.0	10.2	11.5	102	115	65.0-131			12.0	20
1,2-Dichlorobenzene	10.0	9.67	9.95	96.7	99.5	76.0-124			2.85	20
1,2-Dichloroethane	10.0	9.21	9.85	92.1	98.5	65.0-131			6.72	20
1,2-Dichloropropane	10.0	10.1	10.4	101	104	74.0-125			2.93	20
1,4-Dichlorobenzene	10.0	9.48	9.46	94.8	94.6	77.0-121			0.211	20
2-Butanone (MEK)	50.0	51.9	57.5	104	115	30.0-160			10.2	24
2-Hexanone	50.0	57.5	59.9	115	120	54.0-147			4.09	20
4-Methyl-2-pentanone (MIBK)	50.0	54.6	54.5	109	109	56.0-143			0.183	20
Acetone	50.0	75.9	91.4	152	183	10.0-160		J4	18.5	31
Acrylonitrile	50.0	55.6	55.5	111	111	45.0-153			0.180	22
Benzene	10.0	9.71	10.3	97.1	103	70.0-123			5.90	20
Bromochloromethane	10.0	11.2	11.6	112	116	77.0-128			3.51	20
Bromodichloromethane	10.0	10.1	10.7	101	107	73.0-121			5.77	20
Bromoform	10.0	9.48	9.58	94.8	95.8	64.0-132			1.05	20
Bromomethane	10.0	6.53	8.06	65.3	80.6	56.0-147		J3	21.0	20
Carbon disulfide	10.0	10.2	11.3	102	113	56.0-133			10.2	20
Carbon tetrachloride	10.0	10.4	11.3	104	113	66.0-128			8.29	20
Chlorobenzene	10.0	9.52	9.84	95.2	98.4	76.0-128			3.31	20
Chloroethane	10.0	8.04	9.36	80.4	93.6	61.0-134			15.2	20
Chloroform	10.0	9.63	10.3	96.3	103	72.0-123			6.72	20
Chloromethane	10.0	9.63	10.7	96.3	107	51.0-138			10.5	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4382754-1 06/03/26 00:38 • (LCSD) R4382754-2 06/03/26 00:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibromochloromethane	10.0	10.2	10.1	102	101	74.0-127			0.985	20
Dibromomethane	10.0	9.84	9.99	98.4	99.9	75.0-122			1.51	20
Ethylbenzene	10.0	10.1	10.5	101	105	74.0-126			3.88	20
Iodomethane	50.0	46.7	58.0	93.4	116	74.0-134		J3	21.6	20
Methylene Chloride	10.0	9.63	9.90	96.3	99.0	68.0-123			2.76	20
Styrene	10.0	10.4	10.6	104	106	72.0-127			1.90	20
Tetrachloroethene	10.0	9.58	10.2	95.8	102	70.0-136			6.27	20
Toluene	10.0	9.61	9.95	96.1	99.5	75.0-121			3.48	20
Trichloroethene	10.0	10.8	11.7	108	117	76.0-126			8.00	20
Trichlorofluoromethane	10.0	10.3	11.2	103	112	61.0-142	J	J	8.37	20
Vinyl acetate	50.0	27.2	26.6	54.4	53.2	43.0-159			2.23	20
Vinyl chloride	10.0	8.68	9.90	86.8	99.0	63.0-134			13.1	20
Xylenes, Total	30.0	30.3	31.3	101	104	72.0-127			3.25	20
cis-1,2-Dichloroethene	10.0	10.0	11.0	100	110	73.0-125			9.52	20
cis-1,3-Dichloropropene	10.0	10.1	10.4	101	104	76.0-127			2.93	20
trans-1,2-Dichloroethene	10.0	10.5	11.2	105	112	71.0-125			6.45	20
trans-1,3-Dichloropropene	10.0	10.0	10.5	100	105	73.0-127			4.88	20
trans-1,4-Dichloro-2-butene	10.0	9.26	9.14	92.6	91.4	45.0-143			1.30	20
(S) 1,2-Dichloroethane-d4				*93.3*	*94.4*	*70.0-130*				
(S) Toluene-d8				*99.6*	*98.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*101*	*67.0-138*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Pres Chk

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
Semiannual GW Detection & Major Ions (6)

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00003

Collected by (print):
Jeff Hoffman

Site/Facility ID #
IA01

P.O. #
14992508

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK, ALKBI 500mlHDPE-NoPres	CL,SO4 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	TSS 1L-HDPE NoPres	V524LL 40mlAmb HCl	V524LL 40mlAmb-HCl	V524LL 40mlAmb-HCl-Blk	V8260ULLC 40mlAmb HCl	V8260ULLC 40mlAmb-HCl	V8260ULLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-11A		GW		5.27.24	946	10	X	X	X	X	X			X				-01
MW-13A		GW			947	10	X	X	X	X	X			X				-02
MW-21A		GW			1118	10	X	X	X	X	X			X				-03
MW-34A		GW			948	10	X	X	X	X	X			X				-04
~~MW-36R~~		~~GW~~			-	10	X	X	X	X	X			X				
MW-39A		GW			1118	10	X	X	X	X	X			X				-05
MW-40A		GW			1147	10	X	X	X	X	X			X				-06
FIELD BLANK		GW			930	6						X			X			-07
TRIP BLANK		GW			7:00	3 HCl							X			X		-08

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: MW-36A Sealed

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	5-27-24	1400		4
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				60
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Sabrina P	5/28/24 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L978775

A187

Acctnum: WMDICIA
Template: T168252
Prelogin: P1217596
PM: 3564 - Chad A Upchurch
PB: 04/16/2600
Shipped Via: FedEX Ground

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.: | | | | | Sample Point: MW11A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 478675

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05/27/26	9:37	1:09	11	45	30

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

X-Other:

Filter Device: Y or (N) — 0.45 µ or _____ µ (circle or fill in)

Filter Type: A-In-line Disposable; B-Pressure; C-Vacuum; X-Other _____

Sample Tube Type: D — A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other: _____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1632.39 (ft/msl)	24.32 (ft)	1508.07 (ft/msl)

Total Well Depth (from TOC): 31.22 (ft)

Stick Up (from ground elevation): + (ft)

Casing ID: 2 (in)

Casing Material:

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
9:40	1.5 1st	7.12 1st	1031	10.3	3.3	3.4	185.5	24.4
9:43	3.0 2nd	7.14 2nd	1039	10.3	1.7	3.3	183.5	24.5
9:46	4.5 3rd	7.16 3rd	1043	10.4	0.0	3.2	181.9	24.7
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
05/27/26	7.16	1043	10.4	0.0	3.2	181.9	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear — Odor: None — Color: None — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 6 — Outlook: Clear — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	Dylan Schreiber		MTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.: ____ Sample Point: MW-13A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L1998775

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05 27 26	9:35	:12	2.8	2.8	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: ____

Filter Type: ____ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1509.86 (ft/msl)	16.59 (ft)	1493.27 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
33.99 (ft)	____ (ft)	2.0 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

4

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
9:39	0.7	1st 6.40	1st 926	10.1	8.8	0.7	690	____
9:43	"	2nd 6.43	2nd 918	10.2	9.8	0.7	653	____
9:47	"	3rd 6.47	3rd 912	10.2	10.5	0.7	662	____
:		4th	4th					28.5
:								
:								
:								
:								
:								
:								
:								

Suggested range for 3 consec. readings or note Permit/State requirements:	+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
05 27 26	6.47	912	10.2	10.5	0.7	662	____

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear Odor: None Color: None Other: None

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW@8 Outlook: 77/Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FB @ 930

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	DF	DF	MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.: —

Sample Point: MW-21A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: LA76775

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05 27 26	11:00	:18	4.2	4.2	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or _____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1499.88 (ft/msl)	24.34 (ft)	1475.54 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
49.88 (ft)	— (ft)	2.0 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

6

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:06	0.7 1st	6.97 1st	910 1st	12.4	7.0	3.7	67.7	—
11:12	1 2nd	6.97 2nd	892 2nd	12.5	7.0	3.5	67.9	—
11:18	1 3rd	6.97 3rd	875 3rd	12.5	7.0	3.3	68.7	—
	4th	4th	4th					36.1
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units
05 27 26	6.97	875	12.5	7.0	3.3	68.7	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear Odor: None Color: None Other: None

Weather Conditions (required daily, or as conditions change): Direction/Speed: W/7 Outlook: 81/Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): —

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	DF	DF	MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson LF

Site No.:

Sample Point: MW-34A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L1978775

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
052726	9:40	:3	12	15	1.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

X-Other:

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

Filter Device: Y or (N) 0.45 µ or _____ µ (circle or fill in)

Filter Type: A-In-line Disposable; B-Pressure; C-Vacuum; X-Other

Sample Tube Type: A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1486.93 (ft/msl)	21.47 (ft)	1465.46 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
28.89 (ft)	— (ft)	2" (in)	—

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
9:43		1st 6.42	1st 1413	10.8	16.8	4.0	73.9	Below pump
9:48		3rd 6.39	3rd 1378	10.9	13.2	5.6	81.7	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: / Units
052726	6.39	1378	10.9	13.2	5.6	81.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: Clear Odor: Sulfurous Color: — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: L+V Outlook: Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	J.H	[signature]	MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson LF

Site No.: ____ Sample Point: MW-39A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 478775

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05/27/24	11:02	:16	1.8	8.0	4.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: ____ A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: ____ A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1478.60 (ft/msl)

Depth to Water (DTW) (from TOC): 12.97 (ft)

Groundwater Elevation (site datum, from TOC): 1465.63 (ft/msl)

Total Well Depth (from TOC): 23.95 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

4

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:06	.5 1st	7.16 1st	711	8.4	82.1	11.2	97.1	14.5
11:10	.5 2nd	7.06 2nd	731	8.5	48.1	11.4	98.1	15.6
11:14	.5 3rd	7.07 3rd	737	8.6	44.8	11.9	96.6	15.6
11:18	.5 4th	7.06 4th	735	8.6	44.7	12.1	96.3	15.6
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
05/27/24	7.06	735	8.6	44.7	12.1	96.3	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear — Odor: None — Color: None — Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: L+V — Outlook: Sunny — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): ____

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/24	JH	[signature]	MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

Site Name: Dickinson LF
Site No.: [ ]
Sample Point: MW-40 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

WASTE MANAGEMENT

Laboratory Use Only/Lab ID: 1978776

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05 27 26	11:37	:15	23	7.5	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Filter Device: Y or (N) 0.45 µ or [ ] µ (circle or fill in)
Filter Type: [ ] A-In-line Disposable B-Pressure C-Vacuum X-Other [ ]
Sample Tube Type: [ ] A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other: [ ]

WELL DATA

Well Elevation (at TOC): 1496.91 (ft/msl)
Depth to Water (DTW) (from TOC): 18.18 (ft)
Groundwater Elevation (site datum, from TOC): 1478.73 (ft/msl)
Total Well Depth (from TOC): 32.15 (ft)
Stick Up (from ground elevation): [ ] (ft)
Casing ID: 2 (in)
Casing Material: [ ]

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

2.5
5

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:37	.5 1st	7.23 1st	585	9.4	1.5	10.8	96.7	20.6
11:42	.5 2nd	7.18 2nd	650	9.4	1.8	9.8	99.3	20.6
11:47	.5 3rd	7.16 3rd	658	9.4	10.8	8.7	99.9	22.3
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: / Units
05 27 26	7.16	658	9.4	10.8	8.7	99.9	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear Odor: none Color: none Other: [ ]

Weather Conditions (required daily, or as conditions change): Direction/Speed: L+V Outlook: Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	JH	[signature]	MTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

Multiple Parcel Form

L# 4978775

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
7922 9705 9717	AHA8	0.6	-0.1	0.5	(Yes) / No / Not Present
7922 9755 8339	AHA8	0.6	-0.1	0.5	(Yes) / No / Not Present
7922 9705 9420	AHA8	4.7	-0.1	4.6	(Yes) / No / Not Present
7922 9705 9809	AHA8	1.8	-0.1	1.7	(Yes) / No / Not Present
7922 9705 9349	AHA8	1.8	-0.1	1.7	(Yes) / No / Not Present
7922 9705 9544	AHA8	0.5	-0.1	0.4	(Yes) / No / Not Present
7922 9705 9025	AHA8	4.8	-0.1	4.7	(Yes) / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Sabryn
Name

5128120
Date

ANALYTICAL REPORT

June 19, 2026

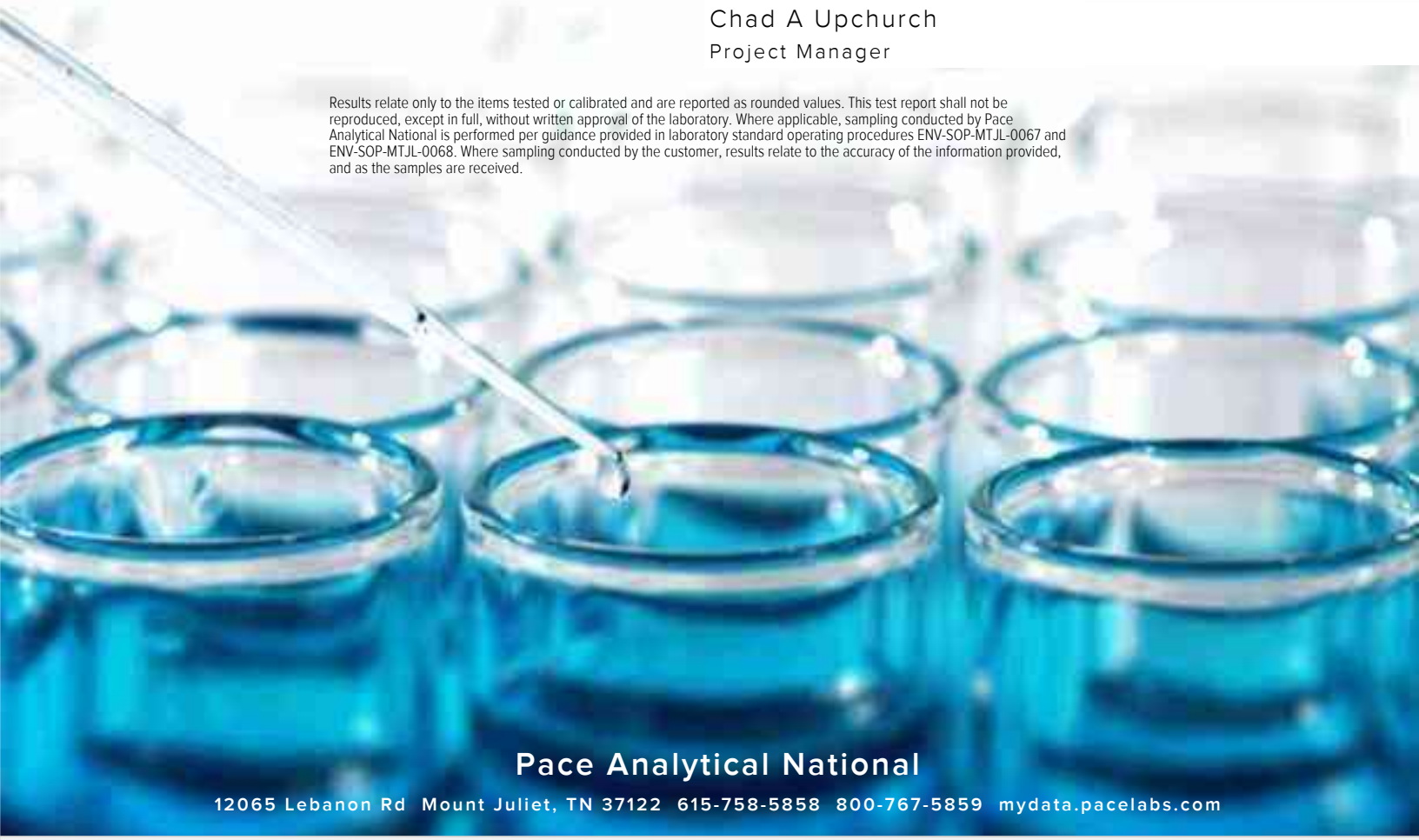
Dickinson Landfill

Sample Delivery Group:	L1978765
Samples Received:	05/28/2026
Project Number:	200
Description:	Annual Assessment Monitoring (Spring 2026)
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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Trip Blank L1978765-01

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 07:00 | Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 12:13	05/29/26 12:13	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2764698	1	05/31/26 23:38	05/31/26 23:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2765599	1	06/03/26 12:05	06/03/26 12:05	ACG	Mt. Juliet, TN

MW-38A L1978765-02

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 11:35 | Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763282	1	05/29/26 16:15	05/29/26 16:15	SGG	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2763442	1	05/29/26 17:38	05/30/26 12:22	FNR	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2763607	1	05/29/26 13:11	05/29/26 13:11	MRL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 19:34	05/31/26 19:34	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2766624	1	06/03/26 13:07	06/04/26 14:00	MDE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763666	1	06/04/26 10:15	06/04/26 14:47	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2764871	1	06/04/26 08:32	06/07/26 17:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 13:18	05/29/26 13:18	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2764698	1	06/01/26 01:33	06/01/26 01:33	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2765599	1	06/03/26 13:46	06/03/26 13:46	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2763427	1	06/01/26 05:50	06/02/26 11:27	PAB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2763449	1	05/29/26 20:18	06/01/26 17:17	DMD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2763449	1	05/29/26 20:18	06/01/26 17:17	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/01/26 15:23	MBE	Mt. Juliet, TN

MW-37A L1978765-03

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 11:03 | Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763285	1	05/31/26 13:01	05/31/26 13:01	BDP	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2763442	1	05/29/26 17:38	05/30/26 12:23	FNR	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2763607	1	05/29/26 13:11	05/29/26 13:11	MRL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	10	05/31/26 20:14	05/31/26 20:14	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2766624	1	06/03/26 13:07	06/04/26 14:03	MDE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763666	1	06/04/26 10:15	06/04/26 14:49	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2764871	1	06/04/26 08:32	06/07/26 19:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 13:39	05/29/26 13:39	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2764698	1	06/01/26 01:52	06/01/26 01:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2765599	1	06/03/26 14:07	06/03/26 14:07	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2763427	1	06/01/26 05:50	06/02/26 11:38	PAB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2763449	1	05/29/26 20:18	06/01/26 17:27	DMD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2763449	1	05/29/26 20:18	06/01/26 17:27	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 02:42	NJK	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 22:10	JRM	Mt. Juliet, TN

MW-23A L1978765-04

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 10:32 | Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763207	1	05/28/26 17:37	05/28/26 21:10	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763285	1	05/31/26 13:06	05/31/26 13:06	BDP	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2763442	1	05/29/26 17:38	05/30/26 12:25	FNR	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2763607	1	05/29/26 13:11	05/29/26 13:11	MRL	Mt. Juliet, TN

MW-23A L1978765-04

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 10:32 | Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 20:25	05/31/26 20:25	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2766624	1	06/03/26 13:07	06/04/26 14:06	MDE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763666	1	06/04/26 10:15	06/04/26 14:52	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2764871	1	06/04/26 08:32	06/07/26 17:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 14:01	05/29/26 14:01	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2764698	1	06/01/26 02:12	06/01/26 02:12	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2765599	1	06/03/26 14:27	06/03/26 14:27	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2763427	1	06/01/26 05:50	06/02/26 11:49	PAB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2763449	1	05/29/26 20:18	06/01/26 17:38	DMD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2763449	1	05/29/26 20:18	06/01/26 17:38	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 03:24	NJK	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 22:45	JRM	Mt. Juliet, TN

MW-19A L1978765-05

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 10:44 | Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763285	1	05/31/26 13:11	05/31/26 13:11	BDP	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2763442	1	05/29/26 17:38	05/30/26 12:26	FNR	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2763607	1	05/29/26 13:11	05/29/26 13:11	MRL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 21:15	05/31/26 21:15	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2766624	1	06/03/26 13:07	06/04/26 14:09	MDE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763666	1	06/04/26 10:15	06/04/26 14:54	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2764871	1	06/04/26 08:32	06/07/26 17:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 14:22	05/29/26 14:22	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2764698	1	06/01/26 02:31	06/01/26 02:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2765599	1	06/03/26 14:47	06/03/26 14:47	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2763427	1	06/01/26 05:50	06/02/26 12:00	PAB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2763449	1	05/29/26 20:18	06/01/26 17:48	DMD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2763449	1	05/29/26 20:18	06/01/26 17:48	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 03:45	NJK	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 23:02	JRM	Mt. Juliet, TN

MW-12A L1978765-06

Collected by: Jeff Hoffman | Collected date/time: 05/27/26 10:26 | Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763382	1	05/29/26 06:38	05/29/26 08:07	BDC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2763285	1	05/31/26 13:17	05/31/26 13:17	BDP	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2763442	1	05/29/26 17:38	05/30/26 12:29	FNR	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2763663	1	05/29/26 12:15	05/29/26 12:15	MRL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763071	1	05/31/26 21:25	05/31/26 21:25	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2766624	1	06/03/26 13:07	06/04/26 14:21	MDE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763666	1	06/04/26 10:15	06/04/26 15:01	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2764871	1	06/04/26 08:32	06/07/26 18:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 14:43	05/29/26 14:43	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2764698	1	06/01/26 02:50	06/01/26 02:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2765599	1	06/03/26 15:07	06/03/26 15:07	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2763427	1	06/01/26 05:50	06/02/26 12:11	PAB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2763449	1	05/29/26 20:18	06/01/26 17:58	DMD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2763449	1	05/29/26 20:18	06/01/26 17:58	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 03:03	NJK	Mt. Juliet, TN

SAMPLE SUMMARY

MW-12A L1978765-06

Collected by: Jeff Hoffman
Collected date/time: 05/27/26 10:26
Received date/time: 05/28/26 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG2762643	1	05/31/26 07:28	06/05/26 22:27	JRM	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

WG2762643: p-Phenylenediamine is reporting with critically low recovery in the laboratory control sample. This compound is a method defined poor performer. Results are estimated.

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

The laboratory analysis was performed from an unpreserved, insufficiently or inadequately preserved sample.

Batch	Method	Lab Sample ID
WG2763663	4500S2 D-2011	L1978765-06

Gravimetric Analysis by Method 2540 D-2011

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2763207	(DUP) R4380528-3, (DUP) R4380528-4	Suspended Solids

Wet Chemistry by Method 4500S2 D-2011

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2763607	(MSD) R4380315-4	Sulfide

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2763607	(MS) R4380315-3	Sulfide
WG2763663	(MS) R4380235-3, (MSD) R4380235-4, L1978765-06	Sulfide

Wet Chemistry by Method 9056A

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2763071	(MS) R4381224-4, (MSD) R4381224-5, L1978765-02	Chloride and Sulfate

Volatile Organic Compounds (GC/MS) by Method 8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.

Batch	Lab Sample ID	Analytes
WG2764698	L1978765-02	Chloroethane
WG2764698	L1978765-03	Chloroethane and Vinyl chloride
WG2764698	L1978765-06	Chloroethane and Vinyl chloride

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2764698	L1978765-01	Vinyl acetate
WG2764698	L1978765-02	Vinyl acetate
WG2764698	L1978765-03	Vinyl acetate
WG2764698	L1978765-04	Vinyl acetate
WG2764698	L1978765-05	Vinyl acetate
WG2764698	L1978765-06	Vinyl acetate

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2764698	(LCS) R4381400-1, L1978765-01, 02, 03, 04, 05, 06	Acrolein and Chloroethane

Chlorinated Acid Herbicides (GC) by Method 8151A

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2763427	(MS) R4381721-3, (MSD) R4381721-4	2,4,5-T and 2,4-D

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2763427	(MSD) R4381721-4	2,4,5-T and 2,4,5-TP (Silvex)

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

The initial calibration verification standard (SSCV) associated with this data responded low.

Batch	Lab Sample ID	Analytes
WG2762643	L1978765-02	1,4-Naphthoquinone, Famphur and Kepone
WG2762643	L1978765-03	Famphur and Kepone
WG2762643	L1978765-04	Famphur and Kepone
WG2762643	L1978765-05	Famphur and Kepone
WG2762643	L1978765-06	Famphur and Kepone

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2762643	L1978765-02	2,4-Dimethylphenol, Dimethylbenz (A) Anthracene, Hexachlorocyclopentadiene and Kepone

The initial calibration verification standard (SSCV) associated with this data responded high.

Batch	Lab Sample ID	Analytes
WG2762643	L1978765-02	2,4-Dinitrophenol

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2762643	(LCS) R4382422-2, L1978765-02, 03, 04, 05, 06	1,4-Naphthoquinone and p-Phenylenediamine

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2762643	(MS) R4382420-3	1,4-Naphthoquinone, 3,3-Dimethylbenzidine and p-Phenylenediamine

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/31/2026 23:38	WG2764698
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 12:13	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	05/31/2026 23:38	WG2764698
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 12:13	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	05/31/2026 23:38	WG2764698
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 12:13	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	05/31/2026 23:38	WG2764698
1,1-Dichloroethane	ND		1.00	1	05/31/2026 23:38	WG2764698
1,1-Dichloroethene	ND		1.00	1	05/31/2026 23:38	WG2764698
1,1-Dichloropropene	ND		1.00	1	05/31/2026 23:38	WG2764698
1,2-Dichlorobenzene	ND		1.00	1	05/31/2026 23:38	WG2764698
1,2-Dichloroethane	ND		1.00	1	05/31/2026 23:38	WG2764698
1,2-Dichloropropane	ND		1.00	1	05/31/2026 23:38	WG2764698
1,3-Dichloropropane	ND		1.00	1	05/31/2026 23:38	WG2764698
1,4-Dichlorobenzene	ND		1.00	1	05/31/2026 23:38	WG2764698
2,2-Dichloropropane	ND		1.00	1	05/31/2026 23:38	WG2764698
2-Butanone (MEK)	ND		10.0	1	05/31/2026 23:38	WG2764698
2-Hexanone	ND		5.00	1	05/31/2026 23:38	WG2764698
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	05/31/2026 23:38	WG2764698
Acetone	ND		25.0	1	06/03/2026 12:05	WG2765599
Acetonitrile	ND		50.0	1	05/31/2026 23:38	WG2764698
Acrolein	ND	J4	50.0	1	05/31/2026 23:38	WG2764698
Acrylonitrile	ND		0.320	1	05/31/2026 23:38	WG2764698
Allyl chloride	ND		1.00	1	05/31/2026 23:38	WG2764698
Benzene	ND		1.00	1	05/31/2026 23:38	WG2764698
Bromochloromethane	ND		1.00	1	05/31/2026 23:38	WG2764698
Bromodichloromethane	ND		1.00	1	05/31/2026 23:38	WG2764698
Bromoform	ND		1.00	1	05/31/2026 23:38	WG2764698
Bromomethane	ND		2.50	1	05/31/2026 23:38	WG2764698
Carbon disulfide	ND		1.00	1	05/31/2026 23:38	WG2764698
Carbon tetrachloride	ND		1.00	1	05/31/2026 23:38	WG2764698
Chlorobenzene	ND		1.00	1	05/31/2026 23:38	WG2764698
Chloroethane	ND	J4	2.50	1	05/31/2026 23:38	WG2764698
Chloroform	ND		1.00	1	05/31/2026 23:38	WG2764698
Chloromethane	ND		1.25	1	05/31/2026 23:38	WG2764698
Chloroprene	ND		50.0	1	05/31/2026 23:38	WG2764698
Dibromochloromethane	ND		1.00	1	05/31/2026 23:38	WG2764698
Dibromomethane	ND		1.00	1	05/31/2026 23:38	WG2764698
Dichlorodifluoromethane	ND		1.00	1	05/31/2026 23:38	WG2764698
Ethyl methacrylate	ND		5.00	1	05/31/2026 23:38	WG2764698
Ethylbenzene	ND		1.00	1	05/31/2026 23:38	WG2764698
Iodomethane	ND		10.0	1	05/31/2026 23:38	WG2764698
Isobutanol	ND		100	1	05/31/2026 23:38	WG2764698
Methacrylonitrile	ND		50.0	1	05/31/2026 23:38	WG2764698
Methyl methacrylate	ND		5.00	1	05/31/2026 23:38	WG2764698
Methylene Chloride	ND		2.50	1	05/31/2026 23:38	WG2764698
Propionitrile	ND		50.0	1	05/31/2026 23:38	WG2764698
Styrene	ND		1.00	1	05/31/2026 23:38	WG2764698
Tetrachloroethene	ND		1.00	1	05/31/2026 23:38	WG2764698
Toluene	ND		1.00	1	05/31/2026 23:38	WG2764698
Trichloroethene	ND		1.00	1	05/31/2026 23:38	WG2764698
Trichlorofluoromethane	ND		2.50	1	05/31/2026 23:38	WG2764698
Vinyl acetate	ND	C3	5.00	1	05/31/2026 23:38	WG2764698
Vinyl chloride	ND		1.00	1	05/31/2026 23:38	WG2764698
Xylenes, Total	ND		3.00	1	05/31/2026 23:38	WG2764698
cis-1,2-Dichloroethene	ND		1.00	1	05/31/2026 23:38	WG2764698

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	05/31/2026 23:38	WG2764698
trans-1,2-Dichloroethene	ND		1.00	1	05/31/2026 23:38	WG2764698
trans-1,3-Dichloropropene	ND		1.00	1	05/31/2026 23:38	WG2764698
trans-1,4-Dichloro-2-butene	ND		1.00	1	05/31/2026 23:38	WG2764698
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*	*05/31/2026 23:38*	WG2764698
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*	*06/03/2026 12:05*	WG2765599
(S) Toluene-d8	*102*			*75.0-131*	*05/31/2026 23:38*	WG2764698
(S) Toluene-d8	*102*			*75.0-131*	*06/03/2026 12:05*	WG2765599
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*	*05/31/2026 23:38*	WG2764698
(S) 4-Bromofluorobenzene	*100*			*67.0-138*	*06/03/2026 12:05*	WG2765599

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	15.83	ft
pH (On Site)	7.11	su
Specific Conductance (on site)	1205	umhos/cm
Temperature (on-site)	9.5	Deg. C
Turbidity (on-site)	0	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	36.4	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	ND		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	492		20.0	1	05/29/2026 16:15	WG2763282
Alkalinity,Carbonate	ND		20.0	1	05/29/2026 16:15	WG2763282

Sample Narrative:

L1978765-02 WG2763282: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	05/30/2026 12:22	WG2763442

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		1.00	1	05/29/2026 13:11	WG2763607

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	57.4	J6	1.00	1	05/31/2026 19:34	WG2763071
Sulfate	60.0	J6	5.00	1	05/31/2026 19:34	WG2763071

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000400	1	06/04/2026 14:00	WG2766624

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 14:47	WG2763666
Arsenic	ND		0.0100	1	06/04/2026 14:47	WG2763666
Barium	0.229		0.0200	1	06/04/2026 14:47	WG2763666
Beryllium	ND		0.00400	1	06/04/2026 14:47	WG2763666
Calcium	155		1.00	1	06/04/2026 14:47	WG2763666
Cadmium	ND		0.00500	1	06/04/2026 14:47	WG2763666

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chromium	ND		0.0100	1	06/04/2026 14:47	WG2763666
Copper	ND		0.0100	1	06/04/2026 14:47	WG2763666
Potassium	1.07		1.00	1	06/04/2026 14:47	WG2763666
Magnesium	47.9		1.00	1	06/04/2026 14:47	WG2763666
Sodium	31.7		1.00	1	06/04/2026 14:47	WG2763666
Nickel	0.0363		0.0100	1	06/04/2026 14:47	WG2763666
Lead	ND		0.0100	1	06/04/2026 14:47	WG2763666
Tin	ND		0.0500	1	06/04/2026 14:47	WG2763666
Vanadium	ND		0.0200	1	06/04/2026 14:47	WG2763666
Zinc	ND		0.0500	1	06/04/2026 14:47	WG2763666

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	ND		0.00200	1	06/07/2026 17:44	WG2764871
Antimony	ND		0.00600	1	06/07/2026 17:44	WG2764871
Selenium	ND		0.0100	1	06/07/2026 17:44	WG2764871
Thallium	ND		0.00200	1	06/07/2026 17:44	WG2764871

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/01/2026 01:33	WG2764698
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 13:18	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/01/2026 01:33	WG2764698
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 13:18	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/01/2026 01:33	WG2764698
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 13:18	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/01/2026 01:33	WG2764698
1,1-Dichloroethane	ND		1.00	1	06/01/2026 01:33	WG2764698
1,1-Dichloroethene	ND		1.00	1	06/01/2026 01:33	WG2764698
1,1-Dichloropropene	ND		1.00	1	06/01/2026 01:33	WG2764698
1,2-Dichlorobenzene	ND		1.00	1	06/01/2026 01:33	WG2764698
1,2-Dichloroethane	ND		1.00	1	06/01/2026 01:33	WG2764698
1,2-Dichloropropane	ND		1.00	1	06/01/2026 01:33	WG2764698
1,3-Dichloropropane	ND		1.00	1	06/01/2026 01:33	WG2764698
1,4-Dichlorobenzene	ND		1.00	1	06/01/2026 01:33	WG2764698
2,2-Dichloropropane	ND		1.00	1	06/01/2026 01:33	WG2764698
2-Butanone (MEK)	ND		10.0	1	06/01/2026 01:33	WG2764698
2-Hexanone	ND		5.00	1	06/01/2026 01:33	WG2764698
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/01/2026 01:33	WG2764698
Acetone	ND		25.0	1	06/03/2026 13:46	WG2765599
Acetonitrile	ND		50.0	1	06/01/2026 01:33	WG2764698
Acrolein	ND	J4	50.0	1	06/01/2026 01:33	WG2764698
Acrylonitrile	ND		0.320	1	06/01/2026 01:33	WG2764698
Allyl chloride	ND		1.00	1	06/01/2026 01:33	WG2764698
Benzene	ND		1.00	1	06/01/2026 01:33	WG2764698
Bromochloromethane	ND		1.00	1	06/01/2026 01:33	WG2764698
Bromodichloromethane	ND		1.00	1	06/01/2026 01:33	WG2764698
Bromoform	ND		1.00	1	06/01/2026 01:33	WG2764698
Bromomethane	ND		2.50	1	06/01/2026 01:33	WG2764698
Carbon disulfide	ND		1.00	1	06/01/2026 01:33	WG2764698
Carbon tetrachloride	ND		1.00	1	06/01/2026 01:33	WG2764698
Chlorobenzene	ND		1.00	1	06/01/2026 01:33	WG2764698
Chloroethane	ND	C5 J4	2.50	1	06/01/2026 01:33	WG2764698

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Chloroform	ND		1.00	1	06/01/2026 01:33	WG2764698
Chloromethane	ND		1.25	1	06/01/2026 01:33	WG2764698
Chloroprene	ND		50.0	1	06/01/2026 01:33	WG2764698
Dibromochloromethane	ND		1.00	1	06/01/2026 01:33	WG2764698
Dibromomethane	ND		1.00	1	06/01/2026 01:33	WG2764698
Dichlorodifluoromethane	ND		1.00	1	06/01/2026 01:33	WG2764698
Ethyl methacrylate	ND		5.00	1	06/01/2026 01:33	WG2764698
Ethylbenzene	ND		1.00	1	06/01/2026 01:33	WG2764698
Iodomethane	ND		10.0	1	06/01/2026 01:33	WG2764698
Isobutanol	ND		100	1	06/01/2026 01:33	WG2764698
Methacrylonitrile	ND		50.0	1	06/01/2026 01:33	WG2764698
Methyl methacrylate	ND		5.00	1	06/01/2026 01:33	WG2764698
Methylene Chloride	ND		2.50	1	06/01/2026 01:33	WG2764698
Propionitrile	ND		50.0	1	06/01/2026 01:33	WG2764698
Styrene	ND		1.00	1	06/01/2026 01:33	WG2764698
Tetrachloroethene	ND		1.00	1	06/01/2026 01:33	WG2764698
Toluene	ND		1.00	1	06/01/2026 01:33	WG2764698
Trichloroethene	ND		1.00	1	06/01/2026 01:33	WG2764698
Trichlorofluoromethane	ND		2.50	1	06/01/2026 01:33	WG2764698
Vinyl acetate	ND	C3	5.00	1	06/01/2026 01:33	WG2764698
Vinyl chloride	ND		1.00	1	06/01/2026 01:33	WG2764698
Xylenes, Total	ND		3.00	1	06/01/2026 01:33	WG2764698
cis-1,2-Dichloroethene	ND		1.00	1	06/01/2026 01:33	WG2764698
cis-1,3-Dichloropropene	ND		1.00	1	06/01/2026 01:33	WG2764698
trans-1,2-Dichloroethene	ND		1.00	1	06/01/2026 01:33	WG2764698
trans-1,3-Dichloropropene	ND		1.00	1	06/01/2026 01:33	WG2764698
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/01/2026 01:33	WG2764698
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*	*06/01/2026 01:33*	WG2764698
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*06/03/2026 13:46*	WG2765599
(S) Toluene-d8	*98.8*			*75.0-131*	*06/01/2026 01:33*	WG2764698
(S) Toluene-d8	*101*			*75.0-131*	*06/03/2026 13:46*	WG2765599
(S) 4-Bromofluorobenzene	*90.1*			*67.0-138*	*06/01/2026 01:33*	WG2764698
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*	*06/03/2026 13:46*	WG2765599

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND		2.00	1	06/02/2026 11:27	WG2763427
2,4,5-TP (Silvex)	ND		2.00	1	06/02/2026 11:27	WG2763427
2,4-D	ND		2.00	1	06/02/2026 11:27	WG2763427
(S) 2,4-Dichlorophenyl Acetic Acid	*92.9*			*14.0-158*	*06/02/2026 11:27*	WG2763427

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	06/01/2026 17:17	WG2763449
4,4-DDE	ND		0.0500	1	06/01/2026 17:17	WG2763449
4,4-DDT	ND		0.0500	1	06/01/2026 17:17	WG2763449
Aldrin	ND		0.0500	1	06/01/2026 17:17	WG2763449
Alpha BHC	ND		0.0500	1	06/01/2026 17:17	WG2763449
Beta BHC	ND		0.0500	1	06/01/2026 17:17	WG2763449
Chlordane	ND		0.500	1	06/01/2026 17:17	WG2763449
Delta BHC	ND		0.0500	1	06/01/2026 17:17	WG2763449
Dieldrin	ND		0.0500	1	06/01/2026 17:17	WG2763449
Endosulfan I	ND		0.0500	1	06/01/2026 17:17	WG2763449

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Endosulfan II	ND		0.0500	1	06/01/2026 17:17	WG2763449
Endosulfan sulfate	ND		0.0500	1	06/01/2026 17:17	WG2763449
Endrin	ND		0.0500	1	06/01/2026 17:17	WG2763449
Endrin aldehyde	ND		0.0500	1	06/01/2026 17:17	WG2763449
Endrin ketone	ND		0.0500	1	06/01/2026 17:17	WG2763449
Gamma BHC	ND		0.0500	1	06/01/2026 17:17	WG2763449
Heptachlor	ND		0.0500	1	06/01/2026 17:17	WG2763449
Heptachlor epoxide	ND		0.0500	1	06/01/2026 17:17	WG2763449
Methoxychlor	ND		0.0500	1	06/01/2026 17:17	WG2763449
Toxaphene	ND		0.500	1	06/01/2026 17:17	WG2763449
alpha-Chlordane	ND		0.0500	1	06/01/2026 17:17	WG2763449
(S) Decachlorobiphenyl	*89.1*			*10.0-128*	*06/01/2026 17:17*	WG2763449
(S) Tetrachloro-m-xylene	*73.4*			*10.0-127*	*06/01/2026 17:17*	WG2763449

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.500	1	06/01/2026 17:17	WG2763449
PCB 1221	ND		0.500	1	06/01/2026 17:17	WG2763449
PCB 1232	ND		0.500	1	06/01/2026 17:17	WG2763449
PCB 1242	ND		0.500	1	06/01/2026 17:17	WG2763449
PCB 1248	ND		0.500	1	06/01/2026 17:17	WG2763449
PCB 1254	ND		0.500	1	06/01/2026 17:17	WG2763449
PCB 1260	ND		0.500	1	06/01/2026 17:17	WG2763449
(S) Decachlorobiphenyl	*97.4*			*10.0-128*	*06/01/2026 17:17*	WG2763449
(S) Tetrachloro-m-xylene	*81.2*			*10.0-127*	*06/01/2026 17:17*	WG2763449

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
1,2,4-Trichlorobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
1,3,5-Trinitrobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
1,3-Dichlorobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
1,3-Dinitrobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
1,4-Naphthoquinone	ND	C6 J4	50.0	1	06/01/2026 15:23	WG2762643
1-Naphthylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/01/2026 15:23	WG2762643
2,3,4,6-Tetrachlorophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
2,4,5-Trichlorophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
2,4,6-Trichlorophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
2,4-Dichlorophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
2,4-Dimethylphenol	ND	C3	10.0	1	06/01/2026 15:23	WG2762643
2,4-Dinitrophenol	ND	C7	10.0	1	06/01/2026 15:23	WG2762643
2,4-Dinitrotoluene	ND		10.0	1	06/01/2026 15:23	WG2762643
2,6-Dichlorophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
2,6-Dinitrotoluene	ND		10.0	1	06/01/2026 15:23	WG2762643
2-Acetylaminofluorene	ND		10.0	1	06/01/2026 15:23	WG2762643
2-Chloronaphthalene	ND		1.00	1	06/01/2026 15:23	WG2762643
2-Chlorophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
2-Methylnaphthalene	ND		1.00	1	06/01/2026 15:23	WG2762643
2-Methylphenol	ND		10.0	1	06/01/2026 15:23	WG2762643
2-Naphthylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
2-Nitroaniline	ND		10.0	1	06/01/2026 15:23	WG2762643
2-Nitrophenol	ND		10.0	1	06/01/2026 15:23	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
3,3-Dichlorobenzidine	ND		10.0	1	06/01/2026 15:23	WG2762643
3,3-Dimethylbenzidine	ND		10.0	1	06/01/2026 15:23	WG2762643
3-Methylcholanthrene	ND		10.0	1	06/01/2026 15:23	WG2762643
3-Methylphenol	ND		10.0	1	06/01/2026 15:23	WG2762643
3-Nitroaniline	ND		10.0	1	06/01/2026 15:23	WG2762643
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/01/2026 15:23	WG2762643
4-Aminobiphenyl	ND		10.0	1	06/01/2026 15:23	WG2762643
4-Bromophenyl-phenylether	ND		10.0	1	06/01/2026 15:23	WG2762643
4-Chloro-3-methylphenol	ND		10.0	1	06/01/2026 15:23	WG2762643
4-Chloroaniline	ND		10.0	1	06/01/2026 15:23	WG2762643
4-Chlorophenyl-phenylether	ND		10.0	1	06/01/2026 15:23	WG2762643
4-Nitroaniline	ND		10.0	1	06/01/2026 15:23	WG2762643
4-Nitrophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
5-Nitro-o-toluidine	ND		10.0	1	06/01/2026 15:23	WG2762643
Acenaphthene	ND		1.00	1	06/01/2026 15:23	WG2762643
Acenaphthylene	ND		1.00	1	06/01/2026 15:23	WG2762643
Acetophenone	ND		10.0	1	06/01/2026 15:23	WG2762643
Anthracene	ND		1.00	1	06/01/2026 15:23	WG2762643
Benzo(a)anthracene	ND		1.00	1	06/01/2026 15:23	WG2762643
Benzo(a)pyrene	ND		1.00	1	06/01/2026 15:23	WG2762643
Benzo(b)fluoranthene	ND		1.00	1	06/01/2026 15:23	WG2762643
Benzo(g,h,i)perylene	ND		1.00	1	06/01/2026 15:23	WG2762643
Benzo(k)fluoranthene	ND		1.00	1	06/01/2026 15:23	WG2762643
Benzyl Alcohol	ND		10.0	1	06/01/2026 15:23	WG2762643
Benzylbutyl phthalate	ND		3.00	1	06/01/2026 15:23	WG2762643
Bis(2-Ethylhexyl)phthalate	ND		3.00	1	06/01/2026 15:23	WG2762643
Bis(2-chlorethoxy)methane	ND		10.0	1	06/01/2026 15:23	WG2762643
Bis(2-chloroethyl)ether	ND		10.0	1	06/01/2026 15:23	WG2762643
Chlorobenzilate	ND		50.0	1	06/01/2026 15:23	WG2762643
Chrysene	ND		1.00	1	06/01/2026 15:23	WG2762643
Di-n-butyl phthalate	ND		3.00	1	06/01/2026 15:23	WG2762643
Di-n-octyl phthalate	ND		3.00	1	06/01/2026 15:23	WG2762643
Diallate	ND		10.0	1	06/01/2026 15:23	WG2762643
Dibenz(a,h)anthracene	ND		1.00	1	06/01/2026 15:23	WG2762643
Dibenzofuran	ND		10.0	1	06/01/2026 15:23	WG2762643
Diethyl phthalate	ND		3.00	1	06/01/2026 15:23	WG2762643
Dimethoate	ND		50.0	1	06/01/2026 15:23	WG2762643
Dimethyl phthalate	ND		3.00	1	06/01/2026 15:23	WG2762643
Dimethylbenz (A) Anthracene	ND	C3	10.0	1	06/01/2026 15:23	WG2762643
Dinoseb	ND		50.0	1	06/01/2026 15:23	WG2762643
Diphenylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
Disulfoton	ND		10.0	1	06/01/2026 15:23	WG2762643
Ethyl Parathion	ND		10.0	1	06/01/2026 15:23	WG2762643
Ethyl methanesulfonate	ND		10.0	1	06/01/2026 15:23	WG2762643
Famphur	ND	C6	20.0	1	06/01/2026 15:23	WG2762643
Fluoranthene	ND		1.00	1	06/01/2026 15:23	WG2762643
Fluorene	ND		1.00	1	06/01/2026 15:23	WG2762643
Hexachloro-1,3-butadiene	ND		10.0	1	06/01/2026 15:23	WG2762643
Hexachlorobenzene	ND		1.00	1	06/01/2026 15:23	WG2762643
Hexachlorocyclopentadiene	ND	C3	10.0	1	06/01/2026 15:23	WG2762643
Hexachloroethane	ND		10.0	1	06/01/2026 15:23	WG2762643
Hexachloropropene	ND		50.0	1	06/01/2026 15:23	WG2762643
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/01/2026 15:23	WG2762643
Isodrin	ND		10.0	1	06/01/2026 15:23	WG2762643
Isophorone	ND		10.0	1	06/01/2026 15:23	WG2762643
Isosafrole	ND		10.0	1	06/01/2026 15:23	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Kepone	ND	C3 C6	20.0	1	06/01/2026 15:23	WG2762643
Methapyrilene	ND		50.0	1	06/01/2026 15:23	WG2762643
Methyl methanesulfonate	ND		50.0	1	06/01/2026 15:23	WG2762643
Methyl parathion	ND		10.0	1	06/01/2026 15:23	WG2762643
Naphthalene	ND		1.00	1	06/01/2026 15:23	WG2762643
Nitrobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
O,O,O-Triethyl Phosphorothioate	ND		10.0	1	06/01/2026 15:23	WG2762643
P-(Dimethylamino) Azobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
Pentachlorobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
Pentachloronitrobenzene	ND		10.0	1	06/01/2026 15:23	WG2762643
Pentachlorophenol	ND		10.0	1	06/01/2026 15:23	WG2762643
Phenacetin	ND		10.0	1	06/01/2026 15:23	WG2762643
Phenanthrene	ND		1.00	1	06/01/2026 15:23	WG2762643
Phenol	ND		10.0	1	06/01/2026 15:23	WG2762643
Phorate	ND		50.0	1	06/01/2026 15:23	WG2762643
Pronamide	ND		10.0	1	06/01/2026 15:23	WG2762643
Pyrene	ND		1.00	1	06/01/2026 15:23	WG2762643
Safrole	ND		10.0	1	06/01/2026 15:23	WG2762643
Thionazin	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosodi-n-butylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosodi-n-propylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosodiethylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosodimethylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosodiphenylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosomethylethylamine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosomorpholine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosopiperidine	ND		10.0	1	06/01/2026 15:23	WG2762643
n-Nitrosopyrrolidine	ND		10.0	1	06/01/2026 15:23	WG2762643
o-Toluidine	ND		10.0	1	06/01/2026 15:23	WG2762643
p-Cresol	ND		10.0	1	06/01/2026 15:23	WG2762643
p-Phenylenediamine	ND	J4	6900	1	06/01/2026 15:23	WG2762643
(S) p-Terphenyl-d14	*81.4*			*10.0-128*	*06/01/2026 15:23*	WG2762643
(S) 2-Fluorophenol	*38.9*			*10.0-120*	*06/01/2026 15:23*	WG2762643
(S) Nitrobenzene-d5	*55.3*			*10.0-127*	*06/01/2026 15:23*	WG2762643
(S) Phenol-d5	*26.2*			*10.0-120*	*06/01/2026 15:23*	WG2762643
(S) 2-Fluorobiphenyl	*64.0*			*10.0-130*	*06/01/2026 15:23*	WG2762643
(S) 2,4,6-Tribromophenol	*75.5*			*10.0-155*	*06/01/2026 15:23*	WG2762643

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	20.05	ft
pH (On Site)	6.7	su
Specific Conductance (on site)	3479	umhos/cm
Temperature (on-site)	10	Deg. C
Turbidity (on-site)	0	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	-33.7	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	63.2		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	612		20.0	1	05/31/2026 13:01	WG2763285
Alkalinity,Carbonate	ND		20.0	1	05/31/2026 13:01	WG2763285

Sample Narrative:

L1978765-03 WG2763285: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	05/30/2026 12:23	WG2763442

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		1.00	1	05/29/2026 13:11	WG2763607

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	716		1.00	10	05/31/2026 20:14	WG2763071
Sulfate	21.6		5.00	10	05/31/2026 20:14	WG2763071

Sample Narrative:

L1978765-03 WG2763071: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000400	1	06/04/2026 14:03	WG2766624

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 14:49	WG2763666
Arsenic	0.0510		0.0100	1	06/04/2026 14:49	WG2763666
Barium	1.28		0.0200	1	06/04/2026 14:49	WG2763666

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Beryllium	ND		0.00400	1	06/04/2026 14:49	WG2763666
Calcium	315		1.00	1	06/04/2026 14:49	WG2763666
Cadmium	ND		0.00500	1	06/04/2026 14:49	WG2763666
Chromium	ND		0.0100	1	06/04/2026 14:49	WG2763666
Copper	ND		0.0100	1	06/04/2026 14:49	WG2763666
Potassium	2.59		1.00	1	06/04/2026 14:49	WG2763666
Magnesium	118		1.00	1	06/04/2026 14:49	WG2763666
Sodium	195		1.00	1	06/04/2026 14:49	WG2763666
Nickel	0.313		0.0100	1	06/04/2026 14:49	WG2763666
Lead	ND		0.0100	1	06/04/2026 14:49	WG2763666
Tin	ND		0.0500	1	06/04/2026 14:49	WG2763666
Vanadium	ND		0.0200	1	06/04/2026 14:49	WG2763666
Zinc	ND		0.0500	1	06/04/2026 14:49	WG2763666

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	0.0221		0.00200	1	06/07/2026 19:01	WG2764871
Antimony	ND		0.00600	1	06/07/2026 19:01	WG2764871
Selenium	ND		0.0100	1	06/07/2026 19:01	WG2764871
Thallium	ND		0.00200	1	06/07/2026 19:01	WG2764871

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/01/2026 01:52	WG2764698
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 13:39	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/01/2026 01:52	WG2764698
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 13:39	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/01/2026 01:52	WG2764698
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 13:39	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/01/2026 01:52	WG2764698
1,1-Dichloroethane	ND		1.00	1	06/01/2026 01:52	WG2764698
1,1-Dichloroethene	ND		1.00	1	06/01/2026 01:52	WG2764698
1,1-Dichloropropene	ND		1.00	1	06/01/2026 01:52	WG2764698
1,2-Dichlorobenzene	ND		1.00	1	06/01/2026 01:52	WG2764698
1,2-Dichloroethane	ND		1.00	1	06/01/2026 01:52	WG2764698
1,2-Dichloropropane	ND		1.00	1	06/01/2026 01:52	WG2764698
1,3-Dichloropropane	ND		1.00	1	06/01/2026 01:52	WG2764698
1,4-Dichlorobenzene	ND		1.00	1	06/01/2026 01:52	WG2764698
2,2-Dichloropropane	ND		1.00	1	06/01/2026 01:52	WG2764698
2-Butanone (MEK)	ND		10.0	1	06/01/2026 01:52	WG2764698
2-Hexanone	ND		5.00	1	06/01/2026 01:52	WG2764698
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/01/2026 01:52	WG2764698
Acetone	ND		25.0	1	06/03/2026 14:07	WG2765599
Acetonitrile	ND		50.0	1	06/01/2026 01:52	WG2764698
Acrolein	ND	J4	50.0	1	06/01/2026 01:52	WG2764698
Acrylonitrile	ND		0.320	1	06/01/2026 01:52	WG2764698
Allyl chloride	ND		1.00	1	06/01/2026 01:52	WG2764698
Benzene	ND		1.00	1	06/01/2026 01:52	WG2764698
Bromochloromethane	ND		1.00	1	06/01/2026 01:52	WG2764698
Bromodichloromethane	ND		1.00	1	06/01/2026 01:52	WG2764698
Bromoform	ND		1.00	1	06/01/2026 01:52	WG2764698
Bromomethane	ND		2.50	1	06/01/2026 01:52	WG2764698
Carbon disulfide	ND		1.00	1	06/01/2026 01:52	WG2764698

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	ND		1.00	1	06/01/2026 01:52	WG2764698
Chlorobenzene	ND		1.00	1	06/01/2026 01:52	WG2764698
Chloroethane	3.86	C5 J4	2.50	1	06/01/2026 01:52	WG2764698
Chloroform	ND		1.00	1	06/01/2026 01:52	WG2764698
Chloromethane	ND		1.25	1	06/01/2026 01:52	WG2764698
Chloroprene	ND		50.0	1	06/01/2026 01:52	WG2764698
Dibromochloromethane	ND		1.00	1	06/01/2026 01:52	WG2764698
Dibromomethane	ND		1.00	1	06/01/2026 01:52	WG2764698
Dichlorodifluoromethane	ND		1.00	1	06/01/2026 01:52	WG2764698
Ethyl methacrylate	ND		5.00	1	06/01/2026 01:52	WG2764698
Ethylbenzene	ND		1.00	1	06/01/2026 01:52	WG2764698
Iodomethane	ND		10.0	1	06/01/2026 01:52	WG2764698
Isobutanol	ND		100	1	06/01/2026 01:52	WG2764698
Methacrylonitrile	ND		50.0	1	06/01/2026 01:52	WG2764698
Methyl methacrylate	ND		5.00	1	06/01/2026 01:52	WG2764698
Methylene Chloride	ND		2.50	1	06/01/2026 01:52	WG2764698
Propionitrile	ND		50.0	1	06/01/2026 01:52	WG2764698
Styrene	ND		1.00	1	06/01/2026 01:52	WG2764698
Tetrachloroethene	ND		1.00	1	06/01/2026 01:52	WG2764698
Toluene	ND		1.00	1	06/01/2026 01:52	WG2764698
Trichloroethene	ND		1.00	1	06/01/2026 01:52	WG2764698
Trichlorofluoromethane	ND		2.50	1	06/01/2026 01:52	WG2764698
Vinyl acetate	ND	C3	5.00	1	06/01/2026 01:52	WG2764698
Vinyl chloride	ND	C5	1.00	1	06/01/2026 01:52	WG2764698
Xylenes, Total	ND		3.00	1	06/01/2026 01:52	WG2764698
cis-1,2-Dichloroethene	ND		1.00	1	06/01/2026 01:52	WG2764698
cis-1,3-Dichloropropene	ND		1.00	1	06/01/2026 01:52	WG2764698
trans-1,2-Dichloroethene	ND		1.00	1	06/01/2026 01:52	WG2764698
trans-1,3-Dichloropropene	ND		1.00	1	06/01/2026 01:52	WG2764698
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/01/2026 01:52	WG2764698
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*06/01/2026 01:52*	WG2764698
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*	*06/03/2026 14:07*	WG2765599
(S) Toluene-d8	*101*			*75.0-131*	*06/01/2026 01:52*	WG2764698
(S) Toluene-d8	*99.9*			*75.0-131*	*06/03/2026 14:07*	WG2765599
(S) 4-Bromofluorobenzene	*90.4*			*67.0-138*	*06/01/2026 01:52*	WG2764698
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*	*06/03/2026 14:07*	WG2765599

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND		2.00	1	06/02/2026 11:38	WG2763427
2,4,5-TP (Silvex)	ND		2.00	1	06/02/2026 11:38	WG2763427
2,4-D	ND		2.00	1	06/02/2026 11:38	WG2763427
(S) 2,4-Dichlorophenyl Acetic Acid	*118*			*14.0-158*	*06/02/2026 11:38*	WG2763427

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	06/01/2026 17:27	WG2763449
4,4-DDE	ND		0.0500	1	06/01/2026 17:27	WG2763449
4,4-DDT	ND		0.0500	1	06/01/2026 17:27	WG2763449
Aldrin	ND		0.0500	1	06/01/2026 17:27	WG2763449
Alpha BHC	ND		0.0500	1	06/01/2026 17:27	WG2763449
Beta BHC	ND		0.0500	1	06/01/2026 17:27	WG2763449
Chlordane	ND		0.500	1	06/01/2026 17:27	WG2763449

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Delta BHC	ND		0.0500	1	06/01/2026 17:27	WG2763449
Dieldrin	ND		0.0500	1	06/01/2026 17:27	WG2763449
Endosulfan I	ND		0.0500	1	06/01/2026 17:27	WG2763449
Endosulfan II	ND		0.0500	1	06/01/2026 17:27	WG2763449
Endosulfan sulfate	ND		0.0500	1	06/01/2026 17:27	WG2763449
Endrin	ND		0.0500	1	06/01/2026 17:27	WG2763449
Endrin aldehyde	ND		0.0500	1	06/01/2026 17:27	WG2763449
Endrin ketone	ND		0.0500	1	06/01/2026 17:27	WG2763449
Gamma BHC	ND		0.0500	1	06/01/2026 17:27	WG2763449
Heptachlor	ND		0.0500	1	06/01/2026 17:27	WG2763449
Heptachlor epoxide	ND		0.0500	1	06/01/2026 17:27	WG2763449
Methoxychlor	ND		0.0500	1	06/01/2026 17:27	WG2763449
Toxaphene	ND		0.500	1	06/01/2026 17:27	WG2763449
alpha-Chlordane	ND		0.0500	1	06/01/2026 17:27	WG2763449
(S) Decachlorobiphenyl	*39.8*			*10.0-128*	*06/01/2026 17:27*	WG2763449
(S) Tetrachloro-m-xylene	*69.2*			*10.0-127*	*06/01/2026 17:27*	WG2763449

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		0.500	1	06/01/2026 17:27	WG2763449
PCB 1221	ND		0.500	1	06/01/2026 17:27	WG2763449
PCB 1232	ND		0.500	1	06/01/2026 17:27	WG2763449
PCB 1242	ND		0.500	1	06/01/2026 17:27	WG2763449
PCB 1248	ND		0.500	1	06/01/2026 17:27	WG2763449
PCB 1254	ND		0.500	1	06/01/2026 17:27	WG2763449
PCB 1260	ND		0.500	1	06/01/2026 17:27	WG2763449
(S) Decachlorobiphenyl	*43.8*			*10.0-128*	*06/01/2026 17:27*	WG2763449
(S) Tetrachloro-m-xylene	*76.8*			*10.0-127*	*06/01/2026 17:27*	WG2763449

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	06/05/2026 02:42	WG2762643
1,2,4-Trichlorobenzene	ND		10.0	1	06/05/2026 02:42	WG2762643
1,3,5-Trinitrobenzene	ND		10.0	1	06/05/2026 22:10	WG2762643
1,3-Dichlorobenzene	ND		10.0	1	06/05/2026 02:42	WG2762643
1,3-Dinitrobenzene	ND		10.0	1	06/05/2026 22:10	WG2762643
1,4-Naphthoquinone	ND	J4	50.0	1	06/05/2026 22:10	WG2762643
1-Naphthylamine	ND		10.0	1	06/05/2026 22:10	WG2762643
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/05/2026 02:42	WG2762643
2,3,4,6-Tetrachlorophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
2,4,5-Trichlorophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
2,4,6-Trichlorophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
2,4-Dichlorophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
2,4-Dimethylphenol	ND		10.0	1	06/05/2026 02:42	WG2762643
2,4-Dinitrophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
2,4-Dinitrotoluene	ND		10.0	1	06/05/2026 02:42	WG2762643
2,6-Dichlorophenol	ND		10.0	1	06/05/2026 22:10	WG2762643
2,6-Dinitrotoluene	ND		10.0	1	06/05/2026 02:42	WG2762643
2-Acetylaminofluorene	ND		10.0	1	06/05/2026 22:10	WG2762643
2-Chloronaphthalene	ND		1.00	1	06/05/2026 02:42	WG2762643
2-Chlorophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
2-Methylnaphthalene	ND		1.00	1	06/05/2026 02:42	WG2762643
2-Methylphenol	ND		10.0	1	06/05/2026 02:42	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2-Naphthylamine	ND		10.0	1	06/05/2026 22:10	WG2762643
2-Nitroaniline	ND		10.0	1	06/05/2026 02:42	WG2762643
2-Nitrophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
3,3-Dichlorobenzidine	ND		10.0	1	06/05/2026 02:42	WG2762643
3,3-Dimethylbenzidine	ND		10.0	1	06/05/2026 22:10	WG2762643
3-Methylcholanthrene	ND		10.0	1	06/05/2026 22:10	WG2762643
3-Methylphenol	ND		10.0	1	06/05/2026 02:42	WG2762643
3-Nitroaniline	ND		10.0	1	06/05/2026 02:42	WG2762643
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/05/2026 02:42	WG2762643
4-Aminobiphenyl	ND		10.0	1	06/05/2026 22:10	WG2762643
4-Bromophenyl-phenylether	ND		10.0	1	06/05/2026 02:42	WG2762643
4-Chloro-3-methylphenol	ND		10.0	1	06/05/2026 02:42	WG2762643
4-Chloroaniline	ND		10.0	1	06/05/2026 02:42	WG2762643
4-Chlorophenyl-phenylether	ND		10.0	1	06/05/2026 02:42	WG2762643
4-Nitroaniline	ND		10.0	1	06/05/2026 02:42	WG2762643
4-Nitrophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
5-Nitro-o-toluidine	ND		10.0	1	06/05/2026 22:10	WG2762643
Acenaphthene	ND		1.00	1	06/05/2026 02:42	WG2762643
Acenaphthylene	ND		1.00	1	06/05/2026 02:42	WG2762643
Acetophenone	ND		10.0	1	06/05/2026 02:42	WG2762643
Anthracene	ND		1.00	1	06/05/2026 02:42	WG2762643
Benzo(a)anthracene	ND		1.00	1	06/05/2026 02:42	WG2762643
Benzo(a)pyrene	ND		1.00	1	06/05/2026 02:42	WG2762643
Benzo(b)fluoranthene	ND		1.00	1	06/05/2026 02:42	WG2762643
Benzo(g,h,i)perylene	ND		1.00	1	06/05/2026 02:42	WG2762643
Benzo(k)fluoranthene	ND		1.00	1	06/05/2026 02:42	WG2762643
Benzyl Alcohol	ND		10.0	1	06/05/2026 02:42	WG2762643
Benzylbutyl phthalate	ND		3.00	1	06/05/2026 02:42	WG2762643
Bis(2-Ethylhexyl)phthalate	ND		3.00	1	06/05/2026 02:42	WG2762643
Bis(2-chlorethoxy)methane	ND		10.0	1	06/05/2026 02:42	WG2762643
Bis(2-chloroethyl)ether	ND		10.0	1	06/05/2026 02:42	WG2762643
Chlorobenzilate	ND		50.0	1	06/05/2026 22:10	WG2762643
Chrysene	ND		1.00	1	06/05/2026 02:42	WG2762643
Di-n-butyl phthalate	ND		3.00	1	06/05/2026 02:42	WG2762643
Di-n-octyl phthalate	ND		3.00	1	06/05/2026 02:42	WG2762643
Diallate	ND		10.0	1	06/05/2026 22:10	WG2762643
Dibenz(a,h)anthracene	ND		1.00	1	06/05/2026 02:42	WG2762643
Dibenzofuran	ND		10.0	1	06/05/2026 02:42	WG2762643
Diethyl phthalate	ND		3.00	1	06/05/2026 02:42	WG2762643
Dimethoate	ND		50.0	1	06/05/2026 22:10	WG2762643
Dimethyl phthalate	ND		3.00	1	06/05/2026 02:42	WG2762643
Dimethylbenz (A) Anthracene	ND		10.0	1	06/05/2026 22:10	WG2762643
Dinoseb	ND		50.0	1	06/05/2026 22:10	WG2762643
Diphenylamine	ND		10.0	1	06/05/2026 02:42	WG2762643
Disulfoton	ND		10.0	1	06/05/2026 22:10	WG2762643
Ethyl Parathion	ND		10.0	1	06/05/2026 22:10	WG2762643
Ethyl methanesulfonate	ND		10.0	1	06/05/2026 22:10	WG2762643
Famphur	ND	C6	20.0	1	06/05/2026 22:10	WG2762643
Fluoranthene	ND		1.00	1	06/05/2026 02:42	WG2762643
Fluorene	ND		1.00	1	06/05/2026 02:42	WG2762643
Hexachloro-1,3-butadiene	ND		10.0	1	06/05/2026 02:42	WG2762643
Hexachlorobenzene	ND		1.00	1	06/05/2026 02:42	WG2762643
Hexachlorocyclopentadiene	ND		10.0	1	06/05/2026 02:42	WG2762643
Hexachloroethane	ND		10.0	1	06/05/2026 02:42	WG2762643
Hexachloropropene	ND		50.0	1	06/05/2026 22:10	WG2762643
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/05/2026 02:42	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Isodrin	ND		10.0	1	06/05/2026 22:10	WG2762643
Isophorone	ND		10.0	1	06/05/2026 02:42	WG2762643
Isosafrole	ND		10.0	1	06/05/2026 22:10	WG2762643
Kepone	ND	C6	20.0	1	06/05/2026 22:10	WG2762643
Methapyrilene	ND		50.0	1	06/05/2026 22:10	WG2762643
Methyl methanesulfonate	ND		50.0	1	06/05/2026 22:10	WG2762643
Methyl parathion	ND		10.0	1	06/05/2026 22:10	WG2762643
Naphthalene	ND		1.00	1	06/05/2026 02:42	WG2762643
Nitrobenzene	ND		10.0	1	06/05/2026 02:42	WG2762643
O,O,O-Triethyl Phosphorothioate	ND		10.0	1	06/05/2026 22:10	WG2762643
P-(Dimethylamino) Azobenzene	ND		10.0	1	06/05/2026 22:10	WG2762643
Pentachlorobenzene	ND		10.0	1	06/05/2026 22:10	WG2762643
Pentachloronitrobenzene	ND		10.0	1	06/05/2026 22:10	WG2762643
Pentachlorophenol	ND		10.0	1	06/05/2026 02:42	WG2762643
Phenacetin	ND		10.0	1	06/05/2026 22:10	WG2762643
Phenanthrene	ND		1.00	1	06/05/2026 02:42	WG2762643
Phenol	ND		10.0	1	06/05/2026 02:42	WG2762643
Phorate	ND		50.0	1	06/05/2026 22:10	WG2762643
Pronamide	ND		10.0	1	06/05/2026 22:10	WG2762643
Pyrene	ND		1.00	1	06/05/2026 02:42	WG2762643
Safrole	ND		10.0	1	06/05/2026 22:10	WG2762643
Thionazin	ND		10.0	1	06/05/2026 22:10	WG2762643
n-Nitrosodi-n-butylamine	ND		10.0	1	06/05/2026 22:10	WG2762643
n-Nitrosodi-n-propylamine	ND		10.0	1	06/05/2026 02:42	WG2762643
n-Nitrosodiethylamine	ND		10.0	1	06/05/2026 22:10	WG2762643
n-Nitrosodimethylamine	ND		10.0	1	06/05/2026 02:42	WG2762643
n-Nitrosodiphenylamine	ND		10.0	1	06/05/2026 02:42	WG2762643
n-Nitrosomethylethylamine	ND		10.0	1	06/05/2026 22:10	WG2762643
n-Nitrosomorpholine	ND		10.0	1	06/05/2026 22:10	WG2762643
n-Nitrosopiperidine	ND		10.0	1	06/05/2026 22:10	WG2762643
n-Nitrosopyrrolidine	ND		10.0	1	06/05/2026 22:10	WG2762643
o-Toluidine	ND		10.0	1	06/05/2026 22:10	WG2762643
p-Cresol	ND		10.0	1	06/05/2026 02:42	WG2762643
p-Phenylenediamine	ND	J4	6900	1	06/05/2026 22:10	WG2762643
(S) p-Terphenyl-d14	*91.0*			*10.0-128*	*06/05/2026 02:42*	WG2762643
(S) 2-Fluorophenol	*42.5*			*10.0-120*	*06/05/2026 02:42*	WG2762643
(S) Nitrobenzene-d5	*80.8*			*10.0-127*	*06/05/2026 02:42*	WG2762643
(S) Phenol-d5	*36.2*			*10.0-120*	*06/05/2026 02:42*	WG2762643
(S) 2-Fluorobiphenyl	*66.4*			*10.0-130*	*06/05/2026 02:42*	WG2762643
(S) 2,4,6-Tribromophenol	*75.3*			*10.0-155*	*06/05/2026 02:42*	WG2762643

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	12.22	ft
pH (On Site)	6.57	su
Specific Conductance (on site)	993	umhos/cm
Temperature (on-site)	9.9	Deg. C
Turbidity (on-site)	2.5	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	-61	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	15.3		2.50	1	05/28/2026 21:10	WG2763207

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	550		20.0	1	05/31/2026 13:06	WG2763285
Alkalinity,Carbonate	ND		20.0	1	05/31/2026 13:06	WG2763285

Sample Narrative:

L1978765-04 WG2763285: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	05/30/2026 12:25	WG2763442

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		1.00	1	05/29/2026 13:11	WG2763607

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	6.02		1.00	1	05/31/2026 20:25	WG2763071
Sulfate	ND		5.00	1	05/31/2026 20:25	WG2763071

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000400	1	06/04/2026 14:06	WG2766624

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 14:52	WG2763666
Arsenic	0.0420		0.0100	1	06/04/2026 14:52	WG2763666
Barium	1.55		0.0200	1	06/04/2026 14:52	WG2763666
Beryllium	ND		0.00400	1	06/04/2026 14:52	WG2763666
Calcium	142		1.00	1	06/04/2026 14:52	WG2763666
Cadmium	ND		0.00500	1	06/04/2026 14:52	WG2763666

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chromium	ND		0.0100	1	06/04/2026 14:52	WG2763666
Copper	ND		0.0100	1	06/04/2026 14:52	WG2763666
Potassium	1.90		1.00	1	06/04/2026 14:52	WG2763666
Magnesium	45.5		1.00	1	06/04/2026 14:52	WG2763666
Sodium	11.2		1.00	1	06/04/2026 14:52	WG2763666
Nickel	0.0155		0.0100	1	06/04/2026 14:52	WG2763666
Lead	ND		0.0100	1	06/04/2026 14:52	WG2763666
Tin	ND		0.0500	1	06/04/2026 14:52	WG2763666
Vanadium	ND		0.0200	1	06/04/2026 14:52	WG2763666
Zinc	ND		0.0500	1	06/04/2026 14:52	WG2763666

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	0.00948		0.00200	1	06/07/2026 17:51	WG2764871
Antimony	ND		0.00600	1	06/07/2026 17:51	WG2764871
Selenium	ND		0.0100	1	06/07/2026 17:51	WG2764871
Thallium	ND		0.00200	1	06/07/2026 17:51	WG2764871

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/01/2026 02:12	WG2764698
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 14:01	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/01/2026 02:12	WG2764698
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 14:01	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/01/2026 02:12	WG2764698
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 14:01	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/01/2026 02:12	WG2764698
1,1-Dichloroethane	ND		1.00	1	06/01/2026 02:12	WG2764698
1,1-Dichloroethene	ND		1.00	1	06/01/2026 02:12	WG2764698
1,1-Dichloropropene	ND		1.00	1	06/01/2026 02:12	WG2764698
1,2-Dichlorobenzene	ND		1.00	1	06/01/2026 02:12	WG2764698
1,2-Dichloroethane	ND		1.00	1	06/01/2026 02:12	WG2764698
1,2-Dichloropropane	ND		1.00	1	06/01/2026 02:12	WG2764698
1,3-Dichloropropane	ND		1.00	1	06/01/2026 02:12	WG2764698
1,4-Dichlorobenzene	ND		1.00	1	06/01/2026 02:12	WG2764698
2,2-Dichloropropane	ND		1.00	1	06/01/2026 02:12	WG2764698
2-Butanone (MEK)	ND		10.0	1	06/01/2026 02:12	WG2764698
2-Hexanone	ND		5.00	1	06/01/2026 02:12	WG2764698
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/01/2026 02:12	WG2764698
Acetone	ND		25.0	1	06/03/2026 14:27	WG2765599
Acetonitrile	ND		50.0	1	06/01/2026 02:12	WG2764698
Acrolein	ND	J4	50.0	1	06/01/2026 02:12	WG2764698
Acrylonitrile	ND		0.320	1	06/01/2026 02:12	WG2764698
Allyl chloride	ND		1.00	1	06/01/2026 02:12	WG2764698
Benzene	ND		1.00	1	06/01/2026 02:12	WG2764698
Bromochloromethane	ND		1.00	1	06/01/2026 02:12	WG2764698
Bromodichloromethane	ND		1.00	1	06/01/2026 02:12	WG2764698
Bromoform	ND		1.00	1	06/01/2026 02:12	WG2764698
Bromomethane	ND		2.50	1	06/01/2026 02:12	WG2764698
Carbon disulfide	ND		1.00	1	06/01/2026 02:12	WG2764698
Carbon tetrachloride	ND		1.00	1	06/01/2026 02:12	WG2764698
Chlorobenzene	ND		1.00	1	06/01/2026 02:12	WG2764698
Chloroethane	ND	J4	2.50	1	06/01/2026 02:12	WG2764698

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Chloroform	ND		1.00	1	06/01/2026 02:12	WG2764698
Chloromethane	ND		1.25	1	06/01/2026 02:12	WG2764698
Chloroprene	ND		50.0	1	06/01/2026 02:12	WG2764698
Dibromochloromethane	ND		1.00	1	06/01/2026 02:12	WG2764698
Dibromomethane	ND		1.00	1	06/01/2026 02:12	WG2764698
Dichlorodifluoromethane	ND		1.00	1	06/01/2026 02:12	WG2764698
Ethyl methacrylate	ND		5.00	1	06/01/2026 02:12	WG2764698
Ethylbenzene	ND		1.00	1	06/01/2026 02:12	WG2764698
Iodomethane	ND		10.0	1	06/01/2026 02:12	WG2764698
Isobutanol	ND		100	1	06/01/2026 02:12	WG2764698
Methacrylonitrile	ND		50.0	1	06/01/2026 02:12	WG2764698
Methyl methacrylate	ND		5.00	1	06/01/2026 02:12	WG2764698
Methylene Chloride	ND		2.50	1	06/01/2026 02:12	WG2764698
Propionitrile	ND		50.0	1	06/01/2026 02:12	WG2764698
Styrene	ND		1.00	1	06/01/2026 02:12	WG2764698
Tetrachloroethene	ND		1.00	1	06/01/2026 02:12	WG2764698
Toluene	ND		1.00	1	06/01/2026 02:12	WG2764698
Trichloroethene	2.62		1.00	1	06/01/2026 02:12	WG2764698
Trichlorofluoromethane	ND		2.50	1	06/01/2026 02:12	WG2764698
Vinyl acetate	ND	C3	5.00	1	06/01/2026 02:12	WG2764698
Vinyl chloride	ND		1.00	1	06/01/2026 02:12	WG2764698
Xylenes, Total	ND		3.00	1	06/01/2026 02:12	WG2764698
cis-1,2-Dichloroethene	1.00		1.00	1	06/01/2026 02:12	WG2764698
cis-1,3-Dichloropropene	ND		1.00	1	06/01/2026 02:12	WG2764698
trans-1,2-Dichloroethene	ND		1.00	1	06/01/2026 02:12	WG2764698
trans-1,3-Dichloropropene	ND		1.00	1	06/01/2026 02:12	WG2764698
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/01/2026 02:12	WG2764698
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*	*06/01/2026 02:12*	WG2764698
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*06/03/2026 14:27*	WG2765599
(S) Toluene-d8	*100*			*75.0-131*	*06/01/2026 02:12*	WG2764698
(S) Toluene-d8	*103*			*75.0-131*	*06/03/2026 14:27*	WG2765599
(S) 4-Bromofluorobenzene	*90.5*			*67.0-138*	*06/01/2026 02:12*	WG2764698
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*	*06/03/2026 14:27*	WG2765599

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND		2.00	1	06/02/2026 11:49	WG2763427
2,4,5-TP (Silvex)	ND		2.00	1	06/02/2026 11:49	WG2763427
2,4-D	ND		2.00	1	06/02/2026 11:49	WG2763427
(S) 2,4-Dichlorophenyl Acetic Acid	*95.2*			*14.0-158*	*06/02/2026 11:49*	WG2763427

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	06/01/2026 17:38	WG2763449
4,4-DDE	ND		0.0500	1	06/01/2026 17:38	WG2763449
4,4-DDT	ND		0.0500	1	06/01/2026 17:38	WG2763449
Aldrin	ND		0.0500	1	06/01/2026 17:38	WG2763449
Alpha BHC	ND		0.0500	1	06/01/2026 17:38	WG2763449
Beta BHC	ND		0.0500	1	06/01/2026 17:38	WG2763449
Chlordane	ND		0.500	1	06/01/2026 17:38	WG2763449
Delta BHC	ND		0.0500	1	06/01/2026 17:38	WG2763449
Dieldrin	ND		0.0500	1	06/01/2026 17:38	WG2763449
Endosulfan I	ND		0.0500	1	06/01/2026 17:38	WG2763449

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Endosulfan II	ND		0.0500	1	06/01/2026 17:38	WG2763449
Endosulfan sulfate	ND		0.0500	1	06/01/2026 17:38	WG2763449
Endrin	ND		0.0500	1	06/01/2026 17:38	WG2763449
Endrin aldehyde	ND		0.0500	1	06/01/2026 17:38	WG2763449
Endrin ketone	ND		0.0500	1	06/01/2026 17:38	WG2763449
Gamma BHC	ND		0.0500	1	06/01/2026 17:38	WG2763449
Heptachlor	ND		0.0500	1	06/01/2026 17:38	WG2763449
Heptachlor epoxide	ND		0.0500	1	06/01/2026 17:38	WG2763449
Methoxychlor	ND		0.0500	1	06/01/2026 17:38	WG2763449
Toxaphene	ND		0.500	1	06/01/2026 17:38	WG2763449
alpha-Chlordane	ND		0.0500	1	06/01/2026 17:38	WG2763449
(S) Decachlorobiphenyl	*22.7*			*10.0-128*	*06/01/2026 17:38*	WG2763449
(S) Tetrachloro-m-xylene	*64.5*			*10.0-127*	*06/01/2026 17:38*	WG2763449

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.500	1	06/01/2026 17:38	WG2763449
PCB 1221	ND		0.500	1	06/01/2026 17:38	WG2763449
PCB 1232	ND		0.500	1	06/01/2026 17:38	WG2763449
PCB 1242	ND		0.500	1	06/01/2026 17:38	WG2763449
PCB 1248	ND		0.500	1	06/01/2026 17:38	WG2763449
PCB 1254	ND		0.500	1	06/01/2026 17:38	WG2763449
PCB 1260	ND		0.500	1	06/01/2026 17:38	WG2763449
(S) Decachlorobiphenyl	*24.7*			*10.0-128*	*06/01/2026 17:38*	WG2763449
(S) Tetrachloro-m-xylene	*70.2*			*10.0-127*	*06/01/2026 17:38*	WG2763449

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	06/05/2026 03:24	WG2762643
1,2,4-Trichlorobenzene	ND		10.0	1	06/05/2026 03:24	WG2762643
1,3,5-Trinitrobenzene	ND		10.0	1	06/05/2026 22:45	WG2762643
1,3-Dichlorobenzene	ND		10.0	1	06/05/2026 03:24	WG2762643
1,3-Dinitrobenzene	ND		10.0	1	06/05/2026 22:45	WG2762643
1,4-Naphthoquinone	ND	J4	50.0	1	06/05/2026 22:45	WG2762643
1-Naphthylamine	ND		10.0	1	06/05/2026 22:45	WG2762643
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/05/2026 03:24	WG2762643
2,3,4,6-Tetrachlorophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2,4,5-Trichlorophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2,4,6-Trichlorophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2,4-Dichlorophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2,4-Dimethylphenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2,4-Dinitrophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2,4-Dinitrotoluene	ND		10.0	1	06/05/2026 03:24	WG2762643
2,6-Dichlorophenol	ND		10.0	1	06/05/2026 22:45	WG2762643
2,6-Dinitrotoluene	ND		10.0	1	06/05/2026 03:24	WG2762643
2-Acetylaminofluorene	ND		10.0	1	06/05/2026 22:45	WG2762643
2-Chloronaphthalene	ND		1.00	1	06/05/2026 03:24	WG2762643
2-Chlorophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2-Methylnaphthalene	ND		1.00	1	06/05/2026 03:24	WG2762643
2-Methylphenol	ND		10.0	1	06/05/2026 03:24	WG2762643
2-Naphthylamine	ND		10.0	1	06/05/2026 22:45	WG2762643
2-Nitroaniline	ND		10.0	1	06/05/2026 03:24	WG2762643
2-Nitrophenol	ND		10.0	1	06/05/2026 03:24	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
3,3-Dichlorobenzidine	ND		10.0	1	06/05/2026 03:24	WG2762643
3,3-Dimethylbenzidine	ND		10.0	1	06/05/2026 22:45	WG2762643
3-Methylcholanthrene	ND		10.0	1	06/05/2026 22:45	WG2762643
3-Methylphenol	ND		10.0	1	06/05/2026 03:24	WG2762643
3-Nitroaniline	ND		10.0	1	06/05/2026 03:24	WG2762643
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/05/2026 03:24	WG2762643
4-Aminobiphenyl	ND		10.0	1	06/05/2026 22:45	WG2762643
4-Bromophenyl-phenylether	ND		10.0	1	06/05/2026 03:24	WG2762643
4-Chloro-3-methylphenol	ND		10.0	1	06/05/2026 03:24	WG2762643
4-Chloroaniline	ND		10.0	1	06/05/2026 03:24	WG2762643
4-Chlorophenyl-phenylether	ND		10.0	1	06/05/2026 03:24	WG2762643
4-Nitroaniline	ND		10.0	1	06/05/2026 03:24	WG2762643
4-Nitrophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
5-Nitro-o-toluidine	ND		10.0	1	06/05/2026 22:45	WG2762643
Acenaphthene	ND		1.00	1	06/05/2026 03:24	WG2762643
Acenaphthylene	ND		1.00	1	06/05/2026 03:24	WG2762643
Acetophenone	ND		10.0	1	06/05/2026 03:24	WG2762643
Anthracene	ND		1.00	1	06/05/2026 03:24	WG2762643
Benzo(a)anthracene	ND		1.00	1	06/05/2026 03:24	WG2762643
Benzo(a)pyrene	ND		1.00	1	06/05/2026 03:24	WG2762643
Benzo(b)fluoranthene	ND		1.00	1	06/05/2026 03:24	WG2762643
Benzo(g,h,i)perylene	ND		1.00	1	06/05/2026 03:24	WG2762643
Benzo(k)fluoranthene	ND		1.00	1	06/05/2026 03:24	WG2762643
Benzyl Alcohol	ND		10.0	1	06/05/2026 03:24	WG2762643
Benzylbutyl phthalate	ND		3.00	1	06/05/2026 03:24	WG2762643
Bis(2-Ethylhexyl)phthalate	ND		3.00	1	06/05/2026 03:24	WG2762643
Bis(2-chlorethoxy)methane	ND		10.0	1	06/05/2026 03:24	WG2762643
Bis(2-chloroethyl)ether	ND		10.0	1	06/05/2026 03:24	WG2762643
Chlorobenzilate	ND		50.0	1	06/05/2026 22:45	WG2762643
Chrysene	ND		1.00	1	06/05/2026 03:24	WG2762643
Di-n-butyl phthalate	ND		3.00	1	06/05/2026 03:24	WG2762643
Di-n-octyl phthalate	ND		3.00	1	06/05/2026 03:24	WG2762643
Diallate	ND		10.0	1	06/05/2026 22:45	WG2762643
Dibenz(a,h)anthracene	ND		1.00	1	06/05/2026 03:24	WG2762643
Dibenzofuran	ND		10.0	1	06/05/2026 03:24	WG2762643
Diethyl phthalate	ND		3.00	1	06/05/2026 03:24	WG2762643
Dimethoate	ND		50.0	1	06/05/2026 22:45	WG2762643
Dimethyl phthalate	ND		3.00	1	06/05/2026 03:24	WG2762643
Dimethylbenz (A) Anthracene	ND		10.0	1	06/05/2026 22:45	WG2762643
Dinoseb	ND		50.0	1	06/05/2026 22:45	WG2762643
Diphenylamine	ND		10.0	1	06/05/2026 03:24	WG2762643
Disulfoton	ND		10.0	1	06/05/2026 22:45	WG2762643
Ethyl Parathion	ND		10.0	1	06/05/2026 22:45	WG2762643
Ethyl methanesulfonate	ND		10.0	1	06/05/2026 22:45	WG2762643
Famphur	ND	C6	20.0	1	06/05/2026 22:45	WG2762643
Fluoranthene	ND		1.00	1	06/05/2026 03:24	WG2762643
Fluorene	ND		1.00	1	06/05/2026 03:24	WG2762643
Hexachloro-1,3-butadiene	ND		10.0	1	06/05/2026 03:24	WG2762643
Hexachlorobenzene	ND		1.00	1	06/05/2026 03:24	WG2762643
Hexachlorocyclopentadiene	ND		10.0	1	06/05/2026 03:24	WG2762643
Hexachloroethane	ND		10.0	1	06/05/2026 03:24	WG2762643
Hexachloropropene	ND		50.0	1	06/05/2026 22:45	WG2762643
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/05/2026 03:24	WG2762643
Isodrin	ND		10.0	1	06/05/2026 22:45	WG2762643
Isophorone	ND		10.0	1	06/05/2026 03:24	WG2762643
Isosafrole	ND		10.0	1	06/05/2026 22:45	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Kepone	ND	C6	20.0	1	06/05/2026 22:45	WG2762643
Methapyrilene	ND		50.0	1	06/05/2026 22:45	WG2762643
Methyl methanesulfonate	ND		50.0	1	06/05/2026 22:45	WG2762643
Methyl parathion	ND		10.0	1	06/05/2026 22:45	WG2762643
Naphthalene	ND		1.00	1	06/05/2026 03:24	WG2762643
Nitrobenzene	ND		10.0	1	06/05/2026 03:24	WG2762643
O,O,O-Triethyl Phosphorothioate	ND		10.0	1	06/05/2026 22:45	WG2762643
P-(Dimethylamino) Azobenzene	ND		10.0	1	06/05/2026 22:45	WG2762643
Pentachlorobenzene	ND		10.0	1	06/05/2026 22:45	WG2762643
Pentachloronitrobenzene	ND		10.0	1	06/05/2026 22:45	WG2762643
Pentachlorophenol	ND		10.0	1	06/05/2026 03:24	WG2762643
Phenacetin	ND		10.0	1	06/05/2026 22:45	WG2762643
Phenanthrene	ND		1.00	1	06/05/2026 03:24	WG2762643
Phenol	ND		10.0	1	06/05/2026 03:24	WG2762643
Phorate	ND		50.0	1	06/05/2026 22:45	WG2762643
Pronamide	ND		10.0	1	06/05/2026 22:45	WG2762643
Pyrene	ND		1.00	1	06/05/2026 03:24	WG2762643
Safrole	ND		10.0	1	06/05/2026 22:45	WG2762643
Thionazin	ND		10.0	1	06/05/2026 22:45	WG2762643
n-Nitrosodi-n-butylamine	ND		10.0	1	06/05/2026 22:45	WG2762643
n-Nitrosodi-n-propylamine	ND		10.0	1	06/05/2026 03:24	WG2762643
n-Nitrosodiethylamine	ND		10.0	1	06/05/2026 22:45	WG2762643
n-Nitrosodimethylamine	ND		10.0	1	06/05/2026 03:24	WG2762643
n-Nitrosodiphenylamine	ND		10.0	1	06/05/2026 03:24	WG2762643
n-Nitrosomethylethylamine	ND		10.0	1	06/05/2026 22:45	WG2762643
n-Nitrosomorpholine	ND		10.0	1	06/05/2026 22:45	WG2762643
n-Nitrosopiperidine	ND		10.0	1	06/05/2026 22:45	WG2762643
n-Nitrosopyrrolidine	ND		10.0	1	06/05/2026 22:45	WG2762643
o-Toluidine	ND		10.0	1	06/05/2026 22:45	WG2762643
p-Cresol	ND		10.0	1	06/05/2026 03:24	WG2762643
p-Phenylenediamine	ND	J4	6900	1	06/05/2026 22:45	WG2762643
(S) p-Terphenyl-d14	*62.0*			*10.0-128*	*06/05/2026 03:24*	WG2762643
(S) 2-Fluorophenol	*28.4*			*10.0-120*	*06/05/2026 03:24*	WG2762643
(S) Nitrobenzene-d5	*41.8*			*10.0-127*	*06/05/2026 03:24*	WG2762643
(S) Phenol-d5	*19.7*			*10.0-120*	*06/05/2026 03:24*	WG2762643
(S) 2-Fluorobiphenyl	*39.6*			*10.0-130*	*06/05/2026 03:24*	WG2762643
(S) 2,4,6-Tribromophenol	*36.1*			*10.0-155*	*06/05/2026 03:24*	WG2762643

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	4.81	ft
pH (On Site)	6.26	su
Specific Conductance (on site)	1053	umhos/cm
Temperature (on-site)	8.4	Deg. C
Turbidity (on-site)	3.5	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	101.2	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Suspended Solids	10.7		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Alkalinity,Bicarbonate	445		20.0	1	05/31/2026 13:11	WG2763285
Alkalinity,Carbonate	ND		20.0	1	05/31/2026 13:11	WG2763285

Sample Narrative:

L1978765-05 WG2763285: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	05/30/2026 12:26	WG2763442

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Sulfide	ND		1.00	1	05/29/2026 13:11	WG2763607

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chloride	48.2		1.00	1	05/31/2026 21:15	WG2763071
Sulfate	73.9		5.00	1	05/31/2026 21:15	WG2763071

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.000400	1	06/04/2026 14:09	WG2766624

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver	ND		0.0100	1	06/04/2026 14:54	WG2763666
Arsenic	ND		0.0100	1	06/04/2026 14:54	WG2763666
Barium	0.161		0.0200	1	06/04/2026 14:54	WG2763666
Beryllium	ND		0.00400	1	06/04/2026 14:54	WG2763666
Calcium	131		1.00	1	06/04/2026 14:54	WG2763666
Cadmium	ND		0.00500	1	06/04/2026 14:54	WG2763666

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chromium	ND		0.0100	1	06/04/2026 14:54	WG2763666
Copper	ND		0.0100	1	06/04/2026 14:54	WG2763666
Potassium	ND		1.00	1	06/04/2026 14:54	WG2763666
Magnesium	46.4		1.00	1	06/04/2026 14:54	WG2763666
Sodium	40.0		1.00	1	06/04/2026 14:54	WG2763666
Nickel	0.0273		0.0100	1	06/04/2026 14:54	WG2763666
Lead	ND		0.0100	1	06/04/2026 14:54	WG2763666
Tin	ND		0.0500	1	06/04/2026 14:54	WG2763666
Vanadium	ND		0.0200	1	06/04/2026 14:54	WG2763666
Zinc	ND		0.0500	1	06/04/2026 14:54	WG2763666

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	ND		0.00200	1	06/07/2026 17:54	WG2764871
Antimony	ND		0.00600	1	06/07/2026 17:54	WG2764871
Selenium	ND		0.0100	1	06/07/2026 17:54	WG2764871
Thallium	ND		0.00200	1	06/07/2026 17:54	WG2764871

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/01/2026 02:31	WG2764698
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 14:22	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/01/2026 02:31	WG2764698
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 14:22	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/01/2026 02:31	WG2764698
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 14:22	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/01/2026 02:31	WG2764698
1,1-Dichloroethane	ND		1.00	1	06/01/2026 02:31	WG2764698
1,1-Dichloroethene	ND		1.00	1	06/01/2026 02:31	WG2764698
1,1-Dichloropropene	ND		1.00	1	06/01/2026 02:31	WG2764698
1,2-Dichlorobenzene	ND		1.00	1	06/01/2026 02:31	WG2764698
1,2-Dichloroethane	ND		1.00	1	06/01/2026 02:31	WG2764698
1,2-Dichloropropane	ND		1.00	1	06/01/2026 02:31	WG2764698
1,3-Dichloropropane	ND		1.00	1	06/01/2026 02:31	WG2764698
1,4-Dichlorobenzene	ND		1.00	1	06/01/2026 02:31	WG2764698
2,2-Dichloropropane	ND		1.00	1	06/01/2026 02:31	WG2764698
2-Butanone (MEK)	ND		10.0	1	06/01/2026 02:31	WG2764698
2-Hexanone	ND		5.00	1	06/01/2026 02:31	WG2764698
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/01/2026 02:31	WG2764698
Acetone	ND		25.0	1	06/03/2026 14:47	WG2765599
Acetonitrile	ND		50.0	1	06/01/2026 02:31	WG2764698
Acrolein	ND	J4	50.0	1	06/01/2026 02:31	WG2764698
Acrylonitrile	ND		0.320	1	06/01/2026 02:31	WG2764698
Allyl chloride	ND		1.00	1	06/01/2026 02:31	WG2764698
Benzene	ND		1.00	1	06/01/2026 02:31	WG2764698
Bromochloromethane	ND		1.00	1	06/01/2026 02:31	WG2764698
Bromodichloromethane	ND		1.00	1	06/01/2026 02:31	WG2764698
Bromoform	ND		1.00	1	06/01/2026 02:31	WG2764698
Bromomethane	ND		2.50	1	06/01/2026 02:31	WG2764698
Carbon disulfide	ND		1.00	1	06/01/2026 02:31	WG2764698
Carbon tetrachloride	ND		1.00	1	06/01/2026 02:31	WG2764698
Chlorobenzene	ND		1.00	1	06/01/2026 02:31	WG2764698
Chloroethane	ND	J4	2.50	1	06/01/2026 02:31	WG2764698

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Chloroform	ND		1.00	1	06/01/2026 02:31	WG2764698
Chloromethane	ND		1.25	1	06/01/2026 02:31	WG2764698
Chloroprene	ND		50.0	1	06/01/2026 02:31	WG2764698
Dibromochloromethane	ND		1.00	1	06/01/2026 02:31	WG2764698
Dibromomethane	ND		1.00	1	06/01/2026 02:31	WG2764698
Dichlorodifluoromethane	ND		1.00	1	06/01/2026 02:31	WG2764698
Ethyl methacrylate	ND		5.00	1	06/01/2026 02:31	WG2764698
Ethylbenzene	ND		1.00	1	06/01/2026 02:31	WG2764698
Iodomethane	ND		10.0	1	06/01/2026 02:31	WG2764698
Isobutanol	ND		100	1	06/01/2026 02:31	WG2764698
Methacrylonitrile	ND		50.0	1	06/01/2026 02:31	WG2764698
Methyl methacrylate	ND		5.00	1	06/01/2026 02:31	WG2764698
Methylene Chloride	ND		2.50	1	06/01/2026 02:31	WG2764698
Propionitrile	ND		50.0	1	06/01/2026 02:31	WG2764698
Styrene	ND		1.00	1	06/01/2026 02:31	WG2764698
Tetrachloroethene	ND		1.00	1	06/01/2026 02:31	WG2764698
Toluene	ND		1.00	1	06/01/2026 02:31	WG2764698
Trichloroethene	ND		1.00	1	06/01/2026 02:31	WG2764698
Trichlorofluoromethane	ND		2.50	1	06/01/2026 02:31	WG2764698
Vinyl acetate	ND	C3	5.00	1	06/01/2026 02:31	WG2764698
Vinyl chloride	ND		1.00	1	06/01/2026 02:31	WG2764698
Xylenes, Total	ND		3.00	1	06/01/2026 02:31	WG2764698
cis-1,2-Dichloroethene	ND		1.00	1	06/01/2026 02:31	WG2764698
cis-1,3-Dichloropropene	ND		1.00	1	06/01/2026 02:31	WG2764698
trans-1,2-Dichloroethene	ND		1.00	1	06/01/2026 02:31	WG2764698
trans-1,3-Dichloropropene	ND		1.00	1	06/01/2026 02:31	WG2764698
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/01/2026 02:31	WG2764698
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*	*06/01/2026 02:31*	WG2764698
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*	*06/03/2026 14:47*	WG2765599
(S) Toluene-d8	*99.7*			*75.0-131*	*06/01/2026 02:31*	WG2764698
(S) Toluene-d8	*103*			*75.0-131*	*06/03/2026 14:47*	WG2765599
(S) 4-Bromofluorobenzene	*91.2*			*67.0-138*	*06/01/2026 02:31*	WG2764698
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*	*06/03/2026 14:47*	WG2765599

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND		2.00	1	06/02/2026 12:00	WG2763427
2,4,5-TP (Silvex)	ND		2.00	1	06/02/2026 12:00	WG2763427
2,4-D	ND		2.00	1	06/02/2026 12:00	WG2763427
(S) 2,4-Dichlorophenyl Acetic Acid	*97.2*			*14.0-158*	*06/02/2026 12:00*	WG2763427

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	06/01/2026 17:48	WG2763449
4,4-DDE	ND		0.0500	1	06/01/2026 17:48	WG2763449
4,4-DDT	ND		0.0500	1	06/01/2026 17:48	WG2763449
Aldrin	ND		0.0500	1	06/01/2026 17:48	WG2763449
Alpha BHC	ND		0.0500	1	06/01/2026 17:48	WG2763449
Beta BHC	ND		0.0500	1	06/01/2026 17:48	WG2763449
Chlordane	ND		0.500	1	06/01/2026 17:48	WG2763449
Delta BHC	ND		0.0500	1	06/01/2026 17:48	WG2763449
Dieldrin	ND		0.0500	1	06/01/2026 17:48	WG2763449
Endosulfan I	ND		0.0500	1	06/01/2026 17:48	WG2763449

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Endosulfan II	ND		0.0500	1	06/01/2026 17:48	WG2763449
Endosulfan sulfate	ND		0.0500	1	06/01/2026 17:48	WG2763449
Endrin	ND		0.0500	1	06/01/2026 17:48	WG2763449
Endrin aldehyde	ND		0.0500	1	06/01/2026 17:48	WG2763449
Endrin ketone	ND		0.0500	1	06/01/2026 17:48	WG2763449
Gamma BHC	ND		0.0500	1	06/01/2026 17:48	WG2763449
Heptachlor	ND		0.0500	1	06/01/2026 17:48	WG2763449
Heptachlor epoxide	ND		0.0500	1	06/01/2026 17:48	WG2763449
Methoxychlor	ND		0.0500	1	06/01/2026 17:48	WG2763449
Toxaphene	ND		0.500	1	06/01/2026 17:48	WG2763449
alpha-Chlordane	ND		0.0500	1	06/01/2026 17:48	WG2763449
(S) Decachlorobiphenyl	*69.7*			*10.0-128*	*06/01/2026 17:48*	WG2763449
(S) Tetrachloro-m-xylene	*53.6*			*10.0-127*	*06/01/2026 17:48*	WG2763449

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.500	1	06/01/2026 17:48	WG2763449
PCB 1221	ND		0.500	1	06/01/2026 17:48	WG2763449
PCB 1232	ND		0.500	1	06/01/2026 17:48	WG2763449
PCB 1242	ND		0.500	1	06/01/2026 17:48	WG2763449
PCB 1248	ND		0.500	1	06/01/2026 17:48	WG2763449
PCB 1254	ND		0.500	1	06/01/2026 17:48	WG2763449
PCB 1260	ND		0.500	1	06/01/2026 17:48	WG2763449
(S) Decachlorobiphenyl	*75.8*			*10.0-128*	*06/01/2026 17:48*	WG2763449
(S) Tetrachloro-m-xylene	*58.4*			*10.0-127*	*06/01/2026 17:48*	WG2763449

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	06/05/2026 03:45	WG2762643
1,2,4-Trichlorobenzene	ND		10.0	1	06/05/2026 03:45	WG2762643
1,3,5-Trinitrobenzene	ND		10.0	1	06/05/2026 23:02	WG2762643
1,3-Dichlorobenzene	ND		10.0	1	06/05/2026 03:45	WG2762643
1,3-Dinitrobenzene	ND		10.0	1	06/05/2026 23:02	WG2762643
1,4-Naphthoquinone	ND	J4	50.0	1	06/05/2026 23:02	WG2762643
1-Naphthylamine	ND		10.0	1	06/05/2026 23:02	WG2762643
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/05/2026 03:45	WG2762643
2,3,4,6-Tetrachlorophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2,4,5-Trichlorophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2,4,6-Trichlorophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2,4-Dichlorophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2,4-Dimethylphenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2,4-Dinitrophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2,4-Dinitrotoluene	ND		10.0	1	06/05/2026 03:45	WG2762643
2,6-Dichlorophenol	ND		10.0	1	06/05/2026 23:02	WG2762643
2,6-Dinitrotoluene	ND		10.0	1	06/05/2026 03:45	WG2762643
2-Acetylaminofluorene	ND		10.0	1	06/05/2026 23:02	WG2762643
2-Chloronaphthalene	ND		1.00	1	06/05/2026 03:45	WG2762643
2-Chlorophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2-Methylnaphthalene	ND		1.00	1	06/05/2026 03:45	WG2762643
2-Methylphenol	ND		10.0	1	06/05/2026 03:45	WG2762643
2-Naphthylamine	ND		10.0	1	06/05/2026 23:02	WG2762643
2-Nitroaniline	ND		10.0	1	06/05/2026 03:45	WG2762643
2-Nitrophenol	ND		10.0	1	06/05/2026 03:45	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
3,3-Dichlorobenzidine	ND		10.0	1	06/05/2026 03:45	WG2762643
3,3-Dimethylbenzidine	ND		10.0	1	06/05/2026 23:02	WG2762643
3-Methylcholanthrene	ND		10.0	1	06/05/2026 23:02	WG2762643
3-Methylphenol	ND		10.0	1	06/05/2026 03:45	WG2762643
3-Nitroaniline	ND		10.0	1	06/05/2026 03:45	WG2762643
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/05/2026 03:45	WG2762643
4-Aminobiphenyl	ND		10.0	1	06/05/2026 23:02	WG2762643
4-Bromophenyl-phenylether	ND		10.0	1	06/05/2026 03:45	WG2762643
4-Chloro-3-methylphenol	ND		10.0	1	06/05/2026 03:45	WG2762643
4-Chloroaniline	ND		10.0	1	06/05/2026 03:45	WG2762643
4-Chlorophenyl-phenylether	ND		10.0	1	06/05/2026 03:45	WG2762643
4-Nitroaniline	ND		10.0	1	06/05/2026 03:45	WG2762643
4-Nitrophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
5-Nitro-o-toluidine	ND		10.0	1	06/05/2026 23:02	WG2762643
Acenaphthene	ND		1.00	1	06/05/2026 03:45	WG2762643
Acenaphthylene	ND		1.00	1	06/05/2026 03:45	WG2762643
Acetophenone	ND		10.0	1	06/05/2026 03:45	WG2762643
Anthracene	ND		1.00	1	06/05/2026 03:45	WG2762643
Benzo(a)anthracene	ND		1.00	1	06/05/2026 03:45	WG2762643
Benzo(a)pyrene	ND		1.00	1	06/05/2026 03:45	WG2762643
Benzo(b)fluoranthene	ND		1.00	1	06/05/2026 03:45	WG2762643
Benzo(g,h,i)perylene	ND		1.00	1	06/05/2026 03:45	WG2762643
Benzo(k)fluoranthene	ND		1.00	1	06/05/2026 03:45	WG2762643
Benzyl Alcohol	ND		10.0	1	06/05/2026 03:45	WG2762643
Benzylbutyl phthalate	ND		3.00	1	06/05/2026 03:45	WG2762643
Bis(2-Ethylhexyl)phthalate	ND		3.00	1	06/05/2026 03:45	WG2762643
Bis(2-chlorethoxy)methane	ND		10.0	1	06/05/2026 03:45	WG2762643
Bis(2-chloroethyl)ether	ND		10.0	1	06/05/2026 03:45	WG2762643
Chlorobenzilate	ND		50.0	1	06/05/2026 23:02	WG2762643
Chrysene	ND		1.00	1	06/05/2026 03:45	WG2762643
Di-n-butyl phthalate	ND		3.00	1	06/05/2026 03:45	WG2762643
Di-n-octyl phthalate	ND		3.00	1	06/05/2026 03:45	WG2762643
Diallate	ND		10.0	1	06/05/2026 23:02	WG2762643
Dibenz(a,h)anthracene	ND		1.00	1	06/05/2026 03:45	WG2762643
Dibenzofuran	ND		10.0	1	06/05/2026 03:45	WG2762643
Diethyl phthalate	ND		3.00	1	06/05/2026 03:45	WG2762643
Dimethoate	ND		50.0	1	06/05/2026 23:02	WG2762643
Dimethyl phthalate	ND		3.00	1	06/05/2026 03:45	WG2762643
Dimethylbenz (A) Anthracene	ND		10.0	1	06/05/2026 23:02	WG2762643
Dinoseb	ND		50.0	1	06/05/2026 23:02	WG2762643
Diphenylamine	ND		10.0	1	06/05/2026 03:45	WG2762643
Disulfoton	ND		10.0	1	06/05/2026 23:02	WG2762643
Ethyl Parathion	ND		10.0	1	06/05/2026 23:02	WG2762643
Ethyl methanesulfonate	ND		10.0	1	06/05/2026 23:02	WG2762643
Famphur	ND	C6	20.0	1	06/05/2026 23:02	WG2762643
Fluoranthene	ND		1.00	1	06/05/2026 03:45	WG2762643
Fluorene	ND		1.00	1	06/05/2026 03:45	WG2762643
Hexachloro-1,3-butadiene	ND		10.0	1	06/05/2026 03:45	WG2762643
Hexachlorobenzene	ND		1.00	1	06/05/2026 03:45	WG2762643
Hexachlorocyclopentadiene	ND		10.0	1	06/05/2026 03:45	WG2762643
Hexachloroethane	ND		10.0	1	06/05/2026 03:45	WG2762643
Hexachloropropene	ND		50.0	1	06/05/2026 23:02	WG2762643
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/05/2026 03:45	WG2762643
Isodrin	ND		10.0	1	06/05/2026 23:02	WG2762643
Isophorone	ND		10.0	1	06/05/2026 03:45	WG2762643
Isosafrole	ND		10.0	1	06/05/2026 23:02	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Kepone	ND	C6	20.0	1	06/05/2026 23:02	WG2762643
Methapyrilene	ND		50.0	1	06/05/2026 23:02	WG2762643
Methyl methanesulfonate	ND		50.0	1	06/05/2026 23:02	WG2762643
Methyl parathion	ND		10.0	1	06/05/2026 23:02	WG2762643
Naphthalene	ND		1.00	1	06/05/2026 03:45	WG2762643
Nitrobenzene	ND		10.0	1	06/05/2026 03:45	WG2762643
O,O,O-Triethyl Phosphorothioate	ND		10.0	1	06/05/2026 23:02	WG2762643
P-(Dimethylamino) Azobenzene	ND		10.0	1	06/05/2026 23:02	WG2762643
Pentachlorobenzene	ND		10.0	1	06/05/2026 23:02	WG2762643
Pentachloronitrobenzene	ND		10.0	1	06/05/2026 23:02	WG2762643
Pentachlorophenol	ND		10.0	1	06/05/2026 03:45	WG2762643
Phenacetin	ND		10.0	1	06/05/2026 23:02	WG2762643
Phenanthrene	ND		1.00	1	06/05/2026 03:45	WG2762643
Phenol	ND		10.0	1	06/05/2026 03:45	WG2762643
Phorate	ND		50.0	1	06/05/2026 23:02	WG2762643
Pronamide	ND		10.0	1	06/05/2026 23:02	WG2762643
Pyrene	ND		1.00	1	06/05/2026 03:45	WG2762643
Safrole	ND		10.0	1	06/05/2026 23:02	WG2762643
Thionazin	ND		10.0	1	06/05/2026 23:02	WG2762643
n-Nitrosodi-n-butylamine	ND		10.0	1	06/05/2026 23:02	WG2762643
n-Nitrosodi-n-propylamine	ND		10.0	1	06/05/2026 03:45	WG2762643
n-Nitrosodiethylamine	ND		10.0	1	06/05/2026 23:02	WG2762643
n-Nitrosodimethylamine	ND		10.0	1	06/05/2026 03:45	WG2762643
n-Nitrosodiphenylamine	ND		10.0	1	06/05/2026 03:45	WG2762643
n-Nitrosomethylethylamine	ND		10.0	1	06/05/2026 23:02	WG2762643
n-Nitrosomorpholine	ND		10.0	1	06/05/2026 23:02	WG2762643
n-Nitrosopiperidine	ND		10.0	1	06/05/2026 23:02	WG2762643
n-Nitrosopyrrolidine	ND		10.0	1	06/05/2026 23:02	WG2762643
o-Toluidine	ND		10.0	1	06/05/2026 23:02	WG2762643
p-Cresol	ND		10.0	1	06/05/2026 03:45	WG2762643
p-Phenylenediamine	ND	J4	6900	1	06/05/2026 23:02	WG2762643
(S) p-Terphenyl-d14	*88.3*			*10.0-128*	*06/05/2026 03:45*	WG2762643
(S) 2-Fluorophenol	*40.3*			*10.0-120*	*06/05/2026 03:45*	WG2762643
(S) Nitrobenzene-d5	*80.4*			*10.0-127*	*06/05/2026 03:45*	WG2762643
(S) Phenol-d5	*29.9*			*10.0-120*	*06/05/2026 03:45*	WG2762643
(S) 2-Fluorobiphenyl	*69.6*			*10.0-130*	*06/05/2026 03:45*	WG2762643
(S) 2,4,6-Tribromophenol	*57.1*			*10.0-155*	*06/05/2026 03:45*	WG2762643

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	14.76	ft
pH (On Site)	6.7	su
Specific Conductance (on site)	1663	umhos/cm
Temperature (on-site)	9.8	Deg. C
Turbidity (on-site)	0	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	17.1	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	20.3		2.50	1	05/29/2026 08:07	WG2763382

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	917		20.0	1	05/31/2026 13:17	WG2763285
Alkalinity,Carbonate	ND		20.0	1	05/31/2026 13:17	WG2763285

Sample Narrative:

L1978765-06 WG2763285: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	05/30/2026 12:29	WG2763442

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND	J6	1.00	1	05/29/2026 12:15	WG2763663

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	11.8		1.00	1	05/31/2026 21:25	WG2763071
Sulfate	6.12		5.00	1	05/31/2026 21:25	WG2763071

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000400	1	06/04/2026 14:21	WG2766624

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 15:01	WG2763666
Arsenic	ND		0.0100	1	06/04/2026 15:01	WG2763666
Barium	0.316		0.0200	1	06/04/2026 15:01	WG2763666
Beryllium	ND		0.00400	1	06/04/2026 15:01	WG2763666
Calcium	209		1.00	1	06/04/2026 15:01	WG2763666
Cadmium	ND		0.00500	1	06/04/2026 15:01	WG2763666

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chromium	ND		0.0100	1	06/04/2026 15:01	WG2763666
Copper	ND		0.0100	1	06/04/2026 15:01	WG2763666
Potassium	4.45		1.00	1	06/04/2026 15:01	WG2763666
Magnesium	74.6		1.00	1	06/04/2026 15:01	WG2763666
Sodium	59.9		1.00	1	06/04/2026 15:01	WG2763666
Nickel	ND		0.0100	1	06/04/2026 15:01	WG2763666
Lead	ND		0.0100	1	06/04/2026 15:01	WG2763666
Tin	ND		0.0500	1	06/04/2026 15:01	WG2763666
Vanadium	ND		0.0200	1	06/04/2026 15:01	WG2763666
Zinc	ND		0.0500	1	06/04/2026 15:01	WG2763666

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	ND		0.00200	1	06/07/2026 18:05	WG2764871
Antimony	ND		0.00600	1	06/07/2026 18:05	WG2764871
Selenium	ND		0.0100	1	06/07/2026 18:05	WG2764871
Thallium	ND		0.00200	1	06/07/2026 18:05	WG2764871

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/01/2026 02:50	WG2764698
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 14:43	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/01/2026 02:50	WG2764698
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 14:43	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/01/2026 02:50	WG2764698
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 14:43	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/01/2026 02:50	WG2764698
1,1-Dichloroethane	14.4		1.00	1	06/01/2026 02:50	WG2764698
1,1-Dichloroethene	ND		1.00	1	06/01/2026 02:50	WG2764698
1,1-Dichloropropene	ND		1.00	1	06/01/2026 02:50	WG2764698
1,2-Dichlorobenzene	ND		1.00	1	06/01/2026 02:50	WG2764698
1,2-Dichloroethane	ND		1.00	1	06/01/2026 02:50	WG2764698
1,2-Dichloropropane	1.17		1.00	1	06/01/2026 02:50	WG2764698
1,3-Dichloropropane	ND		1.00	1	06/01/2026 02:50	WG2764698
1,4-Dichlorobenzene	ND		1.00	1	06/01/2026 02:50	WG2764698
2,2-Dichloropropane	ND		1.00	1	06/01/2026 02:50	WG2764698
2-Butanone (MEK)	ND		10.0	1	06/01/2026 02:50	WG2764698
2-Hexanone	ND		5.00	1	06/01/2026 02:50	WG2764698
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/01/2026 02:50	WG2764698
Acetone	ND		25.0	1	06/03/2026 15:07	WG2765599
Acetonitrile	ND		50.0	1	06/01/2026 02:50	WG2764698
Acrolein	ND	J4	50.0	1	06/01/2026 02:50	WG2764698
Acrylonitrile	ND		0.320	1	06/01/2026 02:50	WG2764698
Allyl chloride	ND		1.00	1	06/01/2026 02:50	WG2764698
Benzene	1.79		1.00	1	06/01/2026 02:50	WG2764698
Bromochloromethane	ND		1.00	1	06/01/2026 02:50	WG2764698
Bromodichloromethane	ND		1.00	1	06/01/2026 02:50	WG2764698
Bromoform	ND		1.00	1	06/01/2026 02:50	WG2764698
Bromomethane	ND		2.50	1	06/01/2026 02:50	WG2764698
Carbon disulfide	ND		1.00	1	06/01/2026 02:50	WG2764698
Carbon tetrachloride	ND		1.00	1	06/01/2026 02:50	WG2764698
Chlorobenzene	ND		1.00	1	06/01/2026 02:50	WG2764698
Chloroethane	11.5	C5 J4	2.50	1	06/01/2026 02:50	WG2764698

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Chloroform	ND		1.00	1	06/01/2026 02:50	WG2764698
Chloromethane	ND		1.25	1	06/01/2026 02:50	WG2764698
Chloroprene	ND		50.0	1	06/01/2026 02:50	WG2764698
Dibromochloromethane	ND		1.00	1	06/01/2026 02:50	WG2764698
Dibromomethane	ND		1.00	1	06/01/2026 02:50	WG2764698
Dichlorodifluoromethane	ND		1.00	1	06/01/2026 02:50	WG2764698
Ethyl methacrylate	ND		5.00	1	06/01/2026 02:50	WG2764698
Ethylbenzene	ND		1.00	1	06/01/2026 02:50	WG2764698
Iodomethane	ND		10.0	1	06/01/2026 02:50	WG2764698
Isobutanol	ND		100	1	06/01/2026 02:50	WG2764698
Methacrylonitrile	ND		50.0	1	06/01/2026 02:50	WG2764698
Methyl methacrylate	ND		5.00	1	06/01/2026 02:50	WG2764698
Methylene Chloride	ND		2.50	1	06/01/2026 02:50	WG2764698
Propionitrile	ND		50.0	1	06/01/2026 02:50	WG2764698
Styrene	ND		1.00	1	06/01/2026 02:50	WG2764698
Tetrachloroethene	ND		1.00	1	06/01/2026 02:50	WG2764698
Toluene	ND		1.00	1	06/01/2026 02:50	WG2764698
Trichloroethene	ND		1.00	1	06/01/2026 02:50	WG2764698
Trichlorofluoromethane	ND		2.50	1	06/01/2026 02:50	WG2764698
Vinyl acetate	ND	C3	5.00	1	06/01/2026 02:50	WG2764698
Vinyl chloride	11.9	C5	1.00	1	06/01/2026 02:50	WG2764698
Xylenes, Total	ND		3.00	1	06/01/2026 02:50	WG2764698
cis-1,2-Dichloroethene	12.1		1.00	1	06/01/2026 02:50	WG2764698
cis-1,3-Dichloropropene	ND		1.00	1	06/01/2026 02:50	WG2764698
trans-1,2-Dichloroethene	2.06		1.00	1	06/01/2026 02:50	WG2764698
trans-1,3-Dichloropropene	ND		1.00	1	06/01/2026 02:50	WG2764698
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/01/2026 02:50	WG2764698
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*06/01/2026 02:50*	WG2764698
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*06/03/2026 15:07*	WG2765599
(S) Toluene-d8	*100*			*75.0-131*	*06/01/2026 02:50*	WG2764698
(S) Toluene-d8	*103*			*75.0-131*	*06/03/2026 15:07*	WG2765599
(S) 4-Bromofluorobenzene	*93.1*			*67.0-138*	*06/01/2026 02:50*	WG2764698
(S) 4-Bromofluorobenzene	*101*			*67.0-138*	*06/03/2026 15:07*	WG2765599

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		2.00	1	06/02/2026 12:11	WG2763427
2,4,5-TP (Silvex)	ND		2.00	1	06/02/2026 12:11	WG2763427
2,4-D	ND		2.00	1	06/02/2026 12:11	WG2763427
(S) 2,4-Dichlorophenyl Acetic Acid	*96.1*			*14.0-158*	*06/02/2026 12:11*	WG2763427

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	06/01/2026 17:58	WG2763449
4,4-DDE	ND		0.0500	1	06/01/2026 17:58	WG2763449
4,4-DDT	ND		0.0500	1	06/01/2026 17:58	WG2763449
Aldrin	ND		0.0500	1	06/01/2026 17:58	WG2763449
Alpha BHC	ND		0.0500	1	06/01/2026 17:58	WG2763449
Beta BHC	ND		0.0500	1	06/01/2026 17:58	WG2763449
Chlordane	ND		0.500	1	06/01/2026 17:58	WG2763449
Delta BHC	ND		0.0500	1	06/01/2026 17:58	WG2763449
Dieldrin	ND		0.0500	1	06/01/2026 17:58	WG2763449
Endosulfan I	ND		0.0500	1	06/01/2026 17:58	WG2763449

Pesticides (GC) by Method 8081B

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Endosulfan II	ND		0.0500	1	06/01/2026 17:58	WG2763449
Endosulfan sulfate	ND		0.0500	1	06/01/2026 17:58	WG2763449
Endrin	ND		0.0500	1	06/01/2026 17:58	WG2763449
Endrin aldehyde	ND		0.0500	1	06/01/2026 17:58	WG2763449
Endrin ketone	ND		0.0500	1	06/01/2026 17:58	WG2763449
Gamma BHC	ND		0.0500	1	06/01/2026 17:58	WG2763449
Heptachlor	ND		0.0500	1	06/01/2026 17:58	WG2763449
Heptachlor epoxide	ND		0.0500	1	06/01/2026 17:58	WG2763449
Methoxychlor	ND		0.0500	1	06/01/2026 17:58	WG2763449
Toxaphene	ND		0.500	1	06/01/2026 17:58	WG2763449
alpha-Chlordane	ND		0.0500	1	06/01/2026 17:58	WG2763449
(S) Decachlorobiphenyl	*54.8*			*10.0-128*	*06/01/2026 17:58*	WG2763449
(S) Tetrachloro-m-xylene	*61.1*			*10.0-127*	*06/01/2026 17:58*	WG2763449

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.500	1	06/01/2026 17:58	WG2763449
PCB 1221	ND		0.500	1	06/01/2026 17:58	WG2763449
PCB 1232	ND		0.500	1	06/01/2026 17:58	WG2763449
PCB 1242	ND		0.500	1	06/01/2026 17:58	WG2763449
PCB 1248	ND		0.500	1	06/01/2026 17:58	WG2763449
PCB 1254	ND		0.500	1	06/01/2026 17:58	WG2763449
PCB 1260	ND		0.500	1	06/01/2026 17:58	WG2763449
(S) Decachlorobiphenyl	*60.1*			*10.0-128*	*06/01/2026 17:58*	WG2763449
(S) Tetrachloro-m-xylene	*68.3*			*10.0-127*	*06/01/2026 17:58*	WG2763449

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	06/05/2026 03:03	WG2762643
1,2,4-Trichlorobenzene	ND		10.0	1	06/05/2026 03:03	WG2762643
1,3,5-Trinitrobenzene	ND		10.0	1	06/05/2026 22:27	WG2762643
1,3-Dichlorobenzene	ND		10.0	1	06/05/2026 03:03	WG2762643
1,3-Dinitrobenzene	ND		10.0	1	06/05/2026 22:27	WG2762643
1,4-Naphthoquinone	ND	J4	50.0	1	06/05/2026 22:27	WG2762643
1-Naphthylamine	ND		10.0	1	06/05/2026 22:27	WG2762643
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/05/2026 03:03	WG2762643
2,3,4,6-Tetrachlorophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2,4,5-Trichlorophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2,4,6-Trichlorophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2,4-Dichlorophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2,4-Dimethylphenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2,4-Dinitrophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2,4-Dinitrotoluene	ND		10.0	1	06/05/2026 03:03	WG2762643
2,6-Dichlorophenol	ND		10.0	1	06/05/2026 22:27	WG2762643
2,6-Dinitrotoluene	ND		10.0	1	06/05/2026 03:03	WG2762643
2-Acetylaminofluorene	ND		10.0	1	06/05/2026 22:27	WG2762643
2-Chloronaphthalene	ND		1.00	1	06/05/2026 03:03	WG2762643
2-Chlorophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2-Methylnaphthalene	ND		1.00	1	06/05/2026 03:03	WG2762643
2-Methylphenol	ND		10.0	1	06/05/2026 03:03	WG2762643
2-Naphthylamine	ND		10.0	1	06/05/2026 22:27	WG2762643
2-Nitroaniline	ND		10.0	1	06/05/2026 03:03	WG2762643
2-Nitrophenol	ND		10.0	1	06/05/2026 03:03	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
3,3-Dichlorobenzidine	ND		10.0	1	06/05/2026 03:03	WG2762643
3,3-Dimethylbenzidine	ND		10.0	1	06/05/2026 22:27	WG2762643
3-Methylcholanthrene	ND		10.0	1	06/05/2026 22:27	WG2762643
3-Methylphenol	ND		10.0	1	06/05/2026 03:03	WG2762643
3-Nitroaniline	ND		10.0	1	06/05/2026 03:03	WG2762643
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/05/2026 03:03	WG2762643
4-Aminobiphenyl	ND		10.0	1	06/05/2026 22:27	WG2762643
4-Bromophenyl-phenylether	ND		10.0	1	06/05/2026 03:03	WG2762643
4-Chloro-3-methylphenol	ND		10.0	1	06/05/2026 03:03	WG2762643
4-Chloroaniline	ND		10.0	1	06/05/2026 03:03	WG2762643
4-Chlorophenyl-phenylether	ND		10.0	1	06/05/2026 03:03	WG2762643
4-Nitroaniline	ND		10.0	1	06/05/2026 03:03	WG2762643
4-Nitrophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
5-Nitro-o-toluidine	ND		10.0	1	06/05/2026 22:27	WG2762643
Acenaphthene	ND		1.00	1	06/05/2026 03:03	WG2762643
Acenaphthylene	ND		1.00	1	06/05/2026 03:03	WG2762643
Acetophenone	ND		10.0	1	06/05/2026 03:03	WG2762643
Anthracene	ND		1.00	1	06/05/2026 03:03	WG2762643
Benzo(a)anthracene	ND		1.00	1	06/05/2026 03:03	WG2762643
Benzo(a)pyrene	ND		1.00	1	06/05/2026 03:03	WG2762643
Benzo(b)fluoranthene	ND		1.00	1	06/05/2026 03:03	WG2762643
Benzo(g,h,i)perylene	ND		1.00	1	06/05/2026 03:03	WG2762643
Benzo(k)fluoranthene	ND		1.00	1	06/05/2026 03:03	WG2762643
Benzyl Alcohol	ND		10.0	1	06/05/2026 03:03	WG2762643
Benzylbutyl phthalate	ND		3.00	1	06/05/2026 03:03	WG2762643
Bis(2-Ethylhexyl)phthalate	ND		3.00	1	06/05/2026 03:03	WG2762643
Bis(2-chlorethoxy)methane	ND		10.0	1	06/05/2026 03:03	WG2762643
Bis(2-chloroethyl)ether	ND		10.0	1	06/05/2026 03:03	WG2762643
Chlorobenzilate	ND		50.0	1	06/05/2026 22:27	WG2762643
Chrysene	ND		1.00	1	06/05/2026 03:03	WG2762643
Di-n-butyl phthalate	ND		3.00	1	06/05/2026 03:03	WG2762643
Di-n-octyl phthalate	ND		3.00	1	06/05/2026 03:03	WG2762643
Diallate	ND		10.0	1	06/05/2026 22:27	WG2762643
Dibenz(a,h)anthracene	ND		1.00	1	06/05/2026 03:03	WG2762643
Dibenzofuran	ND		10.0	1	06/05/2026 03:03	WG2762643
Diethyl phthalate	ND		3.00	1	06/05/2026 03:03	WG2762643
Dimethoate	ND		50.0	1	06/05/2026 22:27	WG2762643
Dimethyl phthalate	ND		3.00	1	06/05/2026 03:03	WG2762643
Dimethylbenz (A) Anthracene	ND		10.0	1	06/05/2026 22:27	WG2762643
Dinoseb	ND		50.0	1	06/05/2026 22:27	WG2762643
Diphenylamine	ND		10.0	1	06/05/2026 03:03	WG2762643
Disulfoton	ND		10.0	1	06/05/2026 22:27	WG2762643
Ethyl Parathion	ND		10.0	1	06/05/2026 22:27	WG2762643
Ethyl methanesulfonate	ND		10.0	1	06/05/2026 22:27	WG2762643
Famphur	ND	C6	20.0	1	06/05/2026 22:27	WG2762643
Fluoranthene	ND		1.00	1	06/05/2026 03:03	WG2762643
Fluorene	ND		1.00	1	06/05/2026 03:03	WG2762643
Hexachloro-1,3-butadiene	ND		10.0	1	06/05/2026 03:03	WG2762643
Hexachlorobenzene	ND		1.00	1	06/05/2026 03:03	WG2762643
Hexachlorocyclopentadiene	ND		10.0	1	06/05/2026 03:03	WG2762643
Hexachloroethane	ND		10.0	1	06/05/2026 03:03	WG2762643
Hexachloropropene	ND		50.0	1	06/05/2026 22:27	WG2762643
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/05/2026 03:03	WG2762643
Isodrin	ND		10.0	1	06/05/2026 22:27	WG2762643
Isophorone	ND		10.0	1	06/05/2026 03:03	WG2762643
Isosafrole	ND		10.0	1	06/05/2026 22:27	WG2762643

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Kepone	ND	C6	20.0	1	06/05/2026 22:27	WG2762643
Methapyrilene	ND		50.0	1	06/05/2026 22:27	WG2762643
Methyl methanesulfonate	ND		50.0	1	06/05/2026 22:27	WG2762643
Methyl parathion	ND		10.0	1	06/05/2026 22:27	WG2762643
Naphthalene	ND		1.00	1	06/05/2026 03:03	WG2762643
Nitrobenzene	ND		10.0	1	06/05/2026 03:03	WG2762643
O,O,O-Triethyl Phosphorothioate	ND		10.0	1	06/05/2026 22:27	WG2762643
P-(Dimethylamino) Azobenzene	ND		10.0	1	06/05/2026 22:27	WG2762643
Pentachlorobenzene	ND		10.0	1	06/05/2026 22:27	WG2762643
Pentachloronitrobenzene	ND		10.0	1	06/05/2026 22:27	WG2762643
Pentachlorophenol	ND		10.0	1	06/05/2026 03:03	WG2762643
Phenacetin	ND		10.0	1	06/05/2026 22:27	WG2762643
Phenanthrene	ND		1.00	1	06/05/2026 03:03	WG2762643
Phenol	ND		10.0	1	06/05/2026 03:03	WG2762643
Phorate	ND		50.0	1	06/05/2026 22:27	WG2762643
Pronamide	ND		10.0	1	06/05/2026 22:27	WG2762643
Pyrene	ND		1.00	1	06/05/2026 03:03	WG2762643
Safrole	ND		10.0	1	06/05/2026 22:27	WG2762643
Thionazin	ND		10.0	1	06/05/2026 22:27	WG2762643
n-Nitrosodi-n-butylamine	ND		10.0	1	06/05/2026 22:27	WG2762643
n-Nitrosodi-n-propylamine	ND		10.0	1	06/05/2026 03:03	WG2762643
n-Nitrosodiethylamine	ND		10.0	1	06/05/2026 22:27	WG2762643
n-Nitrosodimethylamine	ND		10.0	1	06/05/2026 03:03	WG2762643
n-Nitrosodiphenylamine	ND		10.0	1	06/05/2026 03:03	WG2762643
n-Nitrosomethylethylamine	ND		10.0	1	06/05/2026 22:27	WG2762643
n-Nitrosomorpholine	ND		10.0	1	06/05/2026 22:27	WG2762643
n-Nitrosopiperidine	ND		10.0	1	06/05/2026 22:27	WG2762643
n-Nitrosopyrrolidine	ND		10.0	1	06/05/2026 22:27	WG2762643
o-Toluidine	ND		10.0	1	06/05/2026 22:27	WG2762643
p-Cresol	ND		10.0	1	06/05/2026 03:03	WG2762643
p-Phenylenediamine	ND	J4	6900	1	06/05/2026 22:27	WG2762643
(S) p-Terphenyl-d14	*60.4*			*10.0-128*	*06/05/2026 03:03*	WG2762643
(S) 2-Fluorophenol	*28.5*			*10.0-120*	*06/05/2026 03:03*	WG2762643
(S) Nitrobenzene-d5	*59.2*			*10.0-127*	*06/05/2026 03:03*	WG2762643
(S) Phenol-d5	*22.8*			*10.0-120*	*06/05/2026 03:03*	WG2762643
(S) 2-Fluorobiphenyl	*47.2*			*10.0-130*	*06/05/2026 03:03*	WG2762643
(S) 2,4,6-Tribromophenol	*29.6*			*10.0-155*	*06/05/2026 03:03*	WG2762643

Method Blank (MB)

(MB) R4380528-1 05/28/26 21:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1978664-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978664-01 05/28/26 21:10 • (DUP) R4380528-3 05/28/26 21:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	4.00	2.80	1	35.3	J P1	10

Sample Narrative:

OS: reduced volume due to sample matrix

L1978825-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1978825-02 05/28/26 21:10 • (DUP) R4380528-4 05/28/26 21:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	ND	ND	1	200	P1	10

Sample Narrative:

OS: reduced volume due to sample matrix

Laboratory Control Sample (LCS)

(LCS) R4380528-2 05/28/26 21:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	822	106	85.0-115	

Method Blank (MB)

(MB) R4380530-1 05/29/26 08:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1978765-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1978765-03 05/29/26 08:07 • (DUP) R4380530-3 05/29/26 08:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	63.2	64.8	1	2.50		10

L1978775-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1978775-06 05/29/26 08:07 • (DUP) R4380530-4 05/29/26 08:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	67.2	68.8	1	2.35		10

Laboratory Control Sample (LCS)

(LCS) R4380530-2 05/29/26 08:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	850	110	85.0-115	

Method Blank (MB)

(MB) R4380484-2 05/29/26 15:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1978775-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1978775-03 05/29/26 15:22 • (DUP) R4380484-3 05/29/26 15:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	367	362	1	1.39		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1978100-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978100-01 05/29/26 17:28 • (DUP) R4380484-4 05/29/26 17:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	47.9	47.7	1	0.331		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R4380896-2 05/31/26 10:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1978731-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1978731-04 05/31/26 11:29 • (DUP) R4380896-3 05/31/26 11:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	300	308	1	2.71		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1978775-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1978775-05 05/31/26 13:33 • (DUP) R4380896-4 05/31/26 13:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	306	300	1	2.05		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R4380596-1 05/30/26 12:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	ND		0.00180	0.00500

L1978765-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1978765-05 05/30/26 12:26 • (DUP) R4380596-5 05/30/26 12:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4380596-2 05/30/26 12:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.108	108	82.0-116	

L1978737-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978737-02 05/30/26 12:17 • (MS) R4380596-3 05/30/26 12:19 • (MSD) R4380596-4 05/30/26 12:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	ND	0.107	0.106	107	106	1	82.0-116			0.939	20

L1978829-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978829-01 05/30/26 12:36 • (MS) R4380596-6 05/30/26 12:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Cyanide	0.100	ND	0.0984	98.4	1	82.0-116	

Method Blank (MB)

(MB) R4380315-1 05/29/26 13:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sulfide	ND		0.00650	0.0500

L1978731-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1978731-05 05/29/26 13:08 • (DUP) R4380315-5 05/29/26 13:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfide	ND	ND	1	0.000		20

L1978731-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1978731-06 05/29/26 13:09 • (DUP) R4380315-6 05/29/26 13:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4380315-2 05/29/26 13:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	0.500	0.534	107	81.0-122	

L1978731-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978731-04 05/29/26 13:06 • (MS) R4380315-3 05/29/26 13:06 • (MSD) R4380315-4 05/29/26 13:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfide	0.500	ND	ND	1.03	76.8	94.2	1	81.0-122	J6	E	8.81	20

Method Blank (MB)

(MB) R4380235-1 05/29/26 12:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sulfide	ND		0.00650	0.0500

L1978971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978971-01 05/29/26 12:16 • (DUP) R4380235-5 05/29/26 12:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4380235-2 05/29/26 12:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	0.500	0.531	106	81.0-122	

L1978765-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978765-06 05/29/26 12:15 • (MS) R4380235-3 05/29/26 12:16 • (MSD) R4380235-4 05/29/26 12:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfide	0.500	ND	ND	ND	78.4	79.4	1	81.0-122	J6	J6	1.27	20

Method Blank (MB)

(MB) R4381224-1 05/31/26 17:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.128	J	0.0519	1.00
Sulfate	0.273	J	0.0774	5.00

L1978765-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1978765-02 05/31/26 19:34 • (DUP) R4381224-3 05/31/26 19:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	57.4	59.1	1	2.89		15
Sulfate	60.0	61.8	1	3.00		15

L1978765-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1978765-04 05/31/26 20:25 • (DUP) R4381224-6 05/31/26 20:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	6.02	6.04	1	0.282		15
Sulfate	ND	ND	1	10.8		15

Laboratory Control Sample (LCS)

(LCS) R4381224-2 05/31/26 17:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.2	95.6	80.0-120	
Sulfate	40.0	38.3	95.9	80.0-120	

L1978765-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978765-02 05/31/26 19:34 • (MS) R4381224-4 05/31/26 19:54 • (MSD) R4381224-5 05/31/26 20:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	57.4	86.0	86.4	71.5	72.6	1	80.0-120	J6	J6	0.520	15
Sulfate	40.0	60.0	88.3	89.2	71.0	73.2	1	80.0-120	J6	J6	0.997	15

L1978765-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978765-04 05/31/26 20:25 • (MS) R4381224-7 05/31/26 20:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	6.02	44.2	95.3	1	80.0-120	
Sulfate	40.0	ND	42.4	93.9	1	80.0-120	

Method Blank (MB)

(MB) R4382853-1 06/04/26 12:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	ND		0.0000490	0.000200

Laboratory Control Sample (LCS)

(LCS) R4382853-2 06/04/26 12:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00299	99.7	80.0-120	

L1978731-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978731-04 06/04/26 13:08 • (MS) R4382853-4 06/04/26 13:14 • (MSD) R4382853-5 06/04/26 13:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00296	0.00288	98.8	96.0	1	75.0-125			2.92	20

Method Blank (MB)

(MB) R4382974-1 06/04/26 14:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Calcium	0.174	J	0.0463	1.00
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Potassium	ND		0.102	1.00
Magnesium	0.0308	J	0.0111	1.00
Sodium	0.0510	J	0.0111	1.00
Nickel	ND		0.00490	0.0100
Lead	ND		0.00190	0.00500
Tin	ND		0.00440	0.0500
Vanadium	ND		0.00240	0.0200
Zinc	0.0302	J	0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4382974-2 06/04/26 14:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.194	97.2	80.0-120	
Arsenic	1.00	0.937	93.7	80.0-120	
Barium	1.00	1.01	101	80.0-120	
Beryllium	1.00	0.936	93.6	80.0-120	
Calcium	10.0	9.94	99.4	80.0-120	
Cadmium	1.00	0.932	93.2	80.0-120	
Chromium	1.00	1.02	102	80.0-120	
Copper	1.00	0.958	95.8	80.0-120	
Potassium	10.0	9.12	91.2	80.0-120	
Magnesium	10.0	9.52	95.2	80.0-120	
Sodium	10.0	9.72	97.2	80.0-120	
Nickel	1.00	0.936	93.6	80.0-120	
Lead	1.00	0.946	94.6	80.0-120	
Tin	1.00	0.934	93.4	80.0-120	
Vanadium	1.00	0.904	90.4	80.0-120	
Zinc	1.00	0.971	97.1	80.0-120	

L1978673-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978673-01 06/04/26 14:07 • (MS) R4382974-4 06/04/26 14:12 • (MSD) R4382974-5 06/04/26 14:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.200	0.203	99.8	101	1	75.0-125			1.70	20
Arsenic	1.00	ND	0.962	0.982	96.2	98.2	1	75.0-125			2.01	20
Barium	1.00	ND	1.03	1.05	103	105	1	75.0-125			2.06	20
Beryllium	1.00	ND	0.964	0.963	96.4	96.3	1	75.0-125			0.116	20
Calcium	10.0	ND	10.3	10.2	103	102	1	75.0-125			0.746	20
Cadmium	1.00	ND	0.959	0.977	95.9	97.7	1	75.0-125			1.85	20
Chromium	1.00	ND	1.04	1.06	104	106	1	75.0-125			2.34	20
Copper	1.00	ND	0.973	0.997	97.3	99.7	1	75.0-125			2.42	20
Potassium	10.0	ND	9.38	9.34	93.8	93.4	1	75.0-125			0.432	20
Magnesium	10.0	ND	9.80	9.76	98.0	97.6	1	75.0-125			0.343	20
Sodium	10.0	1.46	11.4	11.4	99.3	99.1	1	75.0-125			0.129	20
Nickel	1.00	ND	0.965	0.995	96.5	99.5	1	75.0-125			3.08	20
Lead	1.00	ND	0.975	0.998	97.5	99.8	1	75.0-125			2.34	20
Tin	1.00	ND	0.960	0.985	96.0	98.5	1	75.0-125			2.60	20
Vanadium	1.00	ND	0.930	0.931	93.0	93.1	1	75.0-125			0.0185	20
Zinc	1.00	ND	0.993	1.02	99.3	102	1	75.0-125			2.56	20

Method Blank (MB)

(MB) R4383900-1 06/07/26 17:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	ND		0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4383900-2 06/07/26 17:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0514	103	80.0-120	
Antimony	0.0500	0.0470	94.1	80.0-120	
Selenium	0.0500	0.0508	102	80.0-120	
Thallium	0.0500	0.0487	97.4	80.0-120	

L1979510-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979510-01 06/07/26 17:31 • (MS) R4383900-4 06/07/26 17:38 • (MSD) R4383900-5 06/07/26 17:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	0.0790	0.129	0.129	100	98.9	1	75.0-125			0.461	20
Antimony	0.0500	ND	0.0491	0.0489	98.3	97.7	1	75.0-125			0.573	20
Selenium	0.0500	ND	0.0500	0.0508	100	102	1	75.0-125			1.54	20
Thallium	0.0500	ND	0.0497	0.0487	99.4	97.4	1	75.0-125			2.03	20

Method Blank (MB)

(MB) R4380914-2 05/29/26 11:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	ND		0.00200	0.00500
1,2-Dibromo-3-Chloropropane	ND		0.000520	0.00500
1,2-Dibromoethane	ND		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R4380914-1 05/29/26 11:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0480	96.0	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0500	0.0630	126	70.0-130	
1,2-Dibromoethane	0.0500	0.0510	102	70.0-130	

Method Blank (MB)

(MB) R4381400-3 05/31/26 20:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.0379	0.100
1,1,1-Trichloroethane	ND		0.0369	0.100
1,1,2,2-Tetrachloroethane	ND		0.0278	0.100
1,1,2-Trichloroethane	ND		0.0239	0.100
1,1-Dichloroethane	ND		0.0196	0.100
1,1-Dichloroethene	ND		0.0242	0.100
1,1-Dichloropropene	ND		0.0324	0.100
1,2-Dichlorobenzene	ND		0.0170	0.200
1,2-Dichloroethane	ND		0.0260	0.100
1,2-Dichloropropane	ND		0.0568	0.200
1,3-Dichloropropane	ND		0.0200	0.200
1,4-Dichlorobenzene	ND		0.0280	0.200
2,2-Dichloropropane	ND		0.0552	0.100
2-Butanone (MEK)	ND		2.54	4.00
2-Hexanone	ND		0.134	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0912	1.00
Acetonitrile	ND		15.0	50.0
Acrolein	ND		2.54	50.0
Acrylonitrile	ND		0.144	0.500
Allyl chloride	ND		0.160	1.00
Benzene	ND		0.0187	0.0400
Bromochloromethane	ND		0.0226	0.200
Bromodichloromethane	ND		0.0290	0.100
Bromoform	ND		0.0468	0.500
Bromomethane	ND		0.0788	0.500
Carbon disulfide	ND		0.0280	0.500
Carbon tetrachloride	ND		0.0359	0.200
Chlorobenzene	ND		0.00840	0.100
Chloroethane	ND		0.0680	0.200
Chloroform	0.0850	J	0.0412	0.100
Chloromethane	ND		0.174	0.500
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.0245	0.100
Dibromomethane	ND		0.0300	0.200
Dichlorodifluoromethane	ND		0.0644	0.200
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.0295	0.100
Iodomethane	ND		0.0928	0.500
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0

Method Blank (MB)

(MB) R4381400-3 05/31/26 20:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		0.266	1.00
Propionitrile	ND		13.0	50.0
Styrene	ND		0.00916	0.500
Tetrachloroethene	ND		0.0358	0.100
Toluene	ND		0.0520	0.200
Trichloroethene	ND		0.0234	0.0400
Trichlorofluoromethane	ND		0.0331	0.100
Vinyl acetate	ND		0.102	0.500
Vinyl chloride	ND		0.0462	0.0500
Xylenes, Total	ND		0.0352	0.260
cis-1,2-Dichloroethene	ND		0.0294	0.100
cis-1,3-Dichloropropene	ND		0.0303	0.100
trans-1,2-Dichloroethene	ND		0.0416	0.200
trans-1,3-Dichloropropene	ND		0.0456	0.200
trans-1,4-Dichloro-2-butene	ND		0.0744	0.200
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*
(S) Toluene-d8	*99.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.1*			*67.0-138*

Laboratory Control Sample (LCS)

(LCS) R4381400-1 05/31/26 18:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	10.0	9.07	90.7	74.0-129	
1,1,1-Trichloroethane	10.0	9.60	96.0	69.0-126	
1,1,2,2-Tetrachloroethane	10.0	9.08	90.8	68.0-128	
1,1,2-Trichloroethane	10.0	9.52	95.2	78.0-123	
1,1-Dichloroethane	10.0	10.7	107	70.0-127	
1,1-Dichloroethene	10.0	12.7	127	65.0-131	
1,1-Dichloropropene	10.0	10.9	109	73.0-125	
1,2-Dichlorobenzene	10.0	9.91	99.1	76.0-124	
1,2-Dichloroethane	10.0	10.2	102	65.0-131	
1,2-Dichloropropane	10.0	11.4	114	74.0-125	
1,3-Dichloropropane	10.0	10.5	105	80.0-125	
1,4-Dichlorobenzene	10.0	10.1	101	77.0-121	
2,2-Dichloropropane	10.0	10.4	104	59.0-135	
2-Butanone (MEK)	50.0	55.0	110	30.0-160	

Laboratory Control Sample (LCS)

(LCS) R4381400-1 05/31/26 18:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Hexanone	50.0	58.2	116	54.0-147	
4-Methyl-2-pentanone (MIBK)	50.0	57.8	116	56.0-143	
Acrolein	50.0	80.3	161	10.0-160	J4
Acrylonitrile	50.0	54.1	108	45.0-153	
Allyl chloride	50.0	51.0	102	70.0-131	
Benzene	10.0	9.93	99.3	70.0-123	
Bromochloromethane	10.0	10.0	100	77.0-128	
Bromodichloromethane	10.0	9.27	92.7	73.0-121	
Bromoform	10.0	8.47	84.7	64.0-132	
Bromomethane	10.0	11.8	118	56.0-147	
Carbon disulfide	10.0	10.3	103	56.0-133	
Carbon tetrachloride	10.0	9.56	95.6	66.0-128	
Chlorobenzene	10.0	9.75	97.5	76.0-128	
Chloroethane	10.0	13.5	135	61.0-134	J4
Chloroform	10.0	9.70	97.0	72.0-123	
Chloromethane	10.0	13.0	130	51.0-138	
Dibromochloromethane	10.0	9.40	94.0	74.0-127	
Dibromomethane	10.0	9.89	98.9	75.0-122	
Dichlorodifluoromethane	10.0	12.7	127	43.0-156	
Ethylbenzene	10.0	9.44	94.4	74.0-126	
Iodomethane	50.0	51.9	104	74.0-134	
Methylene Chloride	10.0	9.63	96.3	68.0-123	
Styrene	10.0	9.51	95.1	72.0-127	
Tetrachloroethene	10.0	9.24	92.4	70.0-136	
Toluene	10.0	9.13	91.3	75.0-121	
Trichloroethene	10.0	11.0	110	76.0-126	
Trichlorofluoromethane	10.0	12.9	129	61.0-142	J
Vinyl acetate	50.0	34.9	69.8	43.0-159	
Vinyl chloride	10.0	13.1	131	63.0-134	
Xylenes, Total	30.0	28.8	96.0	72.0-127	
cis-1,2-Dichloroethene	10.0	9.80	98.0	73.0-125	
cis-1,3-Dichloropropene	10.0	10.3	103	76.0-127	
trans-1,2-Dichloroethene	10.0	9.82	98.2	71.0-125	
trans-1,3-Dichloropropene	10.0	9.77	97.7	73.0-127	
trans-1,4-Dichloro-2-butene	10.0	10.6	106	45.0-143	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	
(S) Toluene-d8			*97.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*92.3*	*67.0-138*	

Laboratory Control Sample (LCS)

(LCS) R4381400-2 05/31/26 19:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetonitrile	500	535	107	70.0-130	
Chloroprene	50.0	59.6	119	70.0-130	
Ethyl methacrylate	50.0	54.5	109	70.0-130	
Isobutanol	1000	1270	127	20.0-160	
Methacrylonitrile	500	585	117	70.0-130	
Methyl methacrylate	50.0	59.7	119	70.0-130	
Propionitrile	500	603	121	50.0-150	
(S) 1,2-Dichloroethane-d4			*116*	*70.0-130*	
(S) Toluene-d8			*103*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.0*	*67.0-138*	

Method Blank (MB)

(MB) R4382305-4 06/03/26 10:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	ND		1.46	2.00
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4382305-1 06/03/26 08:36 • (LCSD) R4382305-2 06/03/26 08:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	50.0	50.5	46.0	101	92.0	10.0-160			9.33	31
(S) 1,2-Dichloroethane-d4				*103*	*102*	*70.0-130*				
(S) Toluene-d8				*104*	*100*	*75.0-131*				
(S) 4-Bromofluorobenzene				*100*	*99.2*	*67.0-138*				

Method Blank (MB)

(MB) R4381721-1 06/02/26 10:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-TP (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	*92.6*			*14.0-158*

Laboratory Control Sample (LCS)

(LCS) R4381721-2 06/02/26 10:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4,5-T	2.50	2.85	114	23.0-177	
2,4,5-TP (Silvex)	2.50	2.93	117	26.0-165	
2,4-D	2.50	3.28	131	10.0-200	
(S) 2,4-Dichlorophenyl Acetic Acid			*104*	*14.0-158*	

L1979120-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979120-01 06/02/26 13:28 • (MS) R4381721-3 06/02/26 13:40 • (MSD) R4381721-4 06/02/26 13:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4,5-T	2.58	ND	3.19	3.92	124	129	1.03	54.0-120	J5	J3 J5	20.5	20
2,4,5-TP (Silvex)	2.58	ND	2.82	3.52	109	115	1.03	50.0-125		J3	22.1	20
2,4-D	2.58	ND	3.47	3.86	134	127	1.03	50.0-120	J5	J5	10.6	20
(S) 2,4-Dichlorophenyl Acetic Acid					*97.3*	*101*		*14.0-158*				

Method Blank (MB)

(MB) R4381652-1 06/01/26 16:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Endrin ketone	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
alpha-Chlordane	ND		0.0149	0.0500
(S) Decachlorobiphenyl	*71.8*			*10.0-128*
(S) Tetrachloro-m-xylene	*64.9*			*10.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4381652-2 06/01/26 16:26 • (LCSD) R4381652-3 06/01/26 16:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.934	1.01	93.4	101	56.0-140			7.82	22
4,4-DDE	1.00	0.923	1.02	92.3	102	52.0-128			9.98	22
4,4-DDT	1.00	0.847	0.913	84.7	91.3	50.0-141			7.50	23
Aldrin	1.00	0.897	0.983	89.7	98.3	22.0-124			9.15	34
Alpha BHC	1.00	0.938	1.03	93.8	103	54.0-130			9.35	23
Beta BHC	1.00	0.907	0.980	90.7	98.0	53.0-136			7.74	20
Delta BHC	1.00	0.941	1.02	94.1	102	54.0-133			8.06	20
Dieldrin	1.00	0.948	1.02	94.8	102	59.0-133			7.32	20
Endosulfan I	1.00	0.934	0.983	93.4	98.3	57.0-131			5.11	20
Endosulfan II	1.00	0.929	1.01	92.9	101	58.0-133			8.35	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4381652-2 06/01/26 16:26 • (LCSD) R4381652-3 06/01/26 16:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endosulfan sulfate	1.00	0.908	0.974	90.8	97.4	58.0-133			7.01	21
Endrin	1.00	0.927	0.958	92.7	95.8	57.0-134			3.29	21
Endrin aldehyde	1.00	0.873	0.927	87.3	92.7	53.0-129			6.00	20
Endrin ketone	1.00	0.900	0.971	90.0	97.1	60.0-145			7.59	20
Gamma BHC	1.00	0.911	0.985	91.1	98.5	55.0-129			7.81	20
Heptachlor	1.00	0.797	0.857	79.7	85.7	27.0-132			7.26	31
Heptachlor epoxide	1.00	0.919	0.991	91.9	99.1	57.0-130			7.54	20
Methoxychlor	1.00	0.879	0.913	87.9	91.3	54.0-155			3.79	24
alpha-Chlordane	1.00	0.904	0.981	90.4	98.1	70.0-130			8.17	20
(S) Decachlorobiphenyl				*95.4*	*102*	*10.0-128*				
(S) Tetrachloro-m-xylene				*81.5*	*85.2*	*10.0-127*				

Method Blank (MB)

(MB) R4381652-1 06/01/26 16:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	*78.2*			*10.0-128*
(S) Tetrachloro-m-xylene	*71.5*			*10.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4381652-4 06/01/26 16:47 • (LCSD) R4381652-5 06/01/26 16:57

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.82	2.72	113	109	36.0-135			3.61	29
PCB 1260	2.50	2.52	2.38	101	95.2	42.0-131			5.71	25
(S) Decachlorobiphenyl				*108*	*101*	*10.0-128*				
(S) Tetrachloro-m-xylene				*90.8*	*85.4*	*10.0-127*				

Method Blank (MB)

(MB) R4382422-3 06/01/26 12:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
1,3-Dichlorobenzene	ND		0.383	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	ND		0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Methylphenol	ND		0.266	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(a)anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00

Method Blank (MB)

(MB) R4382422-3 06/01/26 12:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chlorethoxy)methane	ND		0.329	10.0
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
p-Cresol	ND		0.266	10.0
(S) p-Terphenyl-d14	*58.9*			*10.0-128*
(S) 2-Fluorophenol	*14.0*			*10.0-120*
(S) Nitrobenzene-d5	*14.3*			*10.0-127*
(S) Phenol-d5	*15.3*			*10.0-120*
(S) 2-Fluorobiphenyl	*20.3*			*10.0-130*
(S) 2,4,6-Tribromophenol	*41.7*			*10.0-155*

Method Blank (MB)

(MB) R4382422-3 06/01/26 12:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,3,5-Trinitrobenzene	ND		1.32	10.0
1,3-Dinitrobenzene	ND		0.359	10.0
1,4-Naphthoquinone	ND		5.56	50.0
1-Naphthylamine	ND		0.289	10.0
2,6-Dichlorophenol	ND		2.77	10.0
2-Acetylaminofluorene	ND		0.253	10.0
2-Naphthylamine	ND		0.195	10.0
3,3-Dimethylbenzidine	ND		3.39	10.0
3-Methylcholanthrene	ND		0.164	10.0
4-Aminobiphenyl	ND		0.461	10.0
5-Nitro-o-toluidine	ND		1.99	10.0
Chlorobenzilate	ND		1.33	50.0
Diallate	ND		0.524	10.0
Dimethoate	ND		1.44	50.0
Dimethylbenz (A) Anthracene	ND		1.71	10.0
Dinoseb	ND		17.9	50.0
Disulfoton	1.25	J	0.267	10.0
Ethyl Parathion	ND		0.379	10.0
Ethyl methanesulfonate	ND		0.326	10.0
Famphur	ND		1.06	20.0
Hexachloropropene	ND		0.149	50.0
Isodrin	ND		0.293	10.0
Isosafrole	ND		0.409	10.0
Kepone	ND		1.88	20.0
Methapyrilene	ND		4.25	50.0
Methyl methanesulfonate	ND		0.647	50.0
Methyl parathion	ND		0.213	10.0
O,O,O-Triethyl Phosphorothioate	ND		0.537	10.0
P-(Dimethylamino) Azobenzene	ND		0.208	10.0
Pentachlorobenzene	ND		0.369	10.0
Pentachloronitrobenzene	ND		0.327	10.0
Phenacetin	ND		0.262	10.0
Phorate	ND		0.382	50.0
Pronamide	ND		0.265	10.0
Safrole	ND		0.259	10.0
Thionazin	ND		0.204	10.0
n-Nitrosodi-n-butylamine	ND		0.331	10.0
n-Nitrosodiethylamine	ND		0.497	10.0
n-Nitrosomethylethylamine	ND		1.71	10.0

Method Blank (MB)

(MB) R4382422-3 06/01/26 12:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Nitrosomorpholine	ND		1.80	10.0
n-Nitrosopiperidine	ND		0.268	10.0
n-Nitrosopyrrolidine	ND		2.55	10.0
o-Toluidine	ND		0.362	10.0
p-Phenylenediamine	ND		387	6900

Laboratory Control Sample (LCS)

(LCS) R4382422-1 06/01/26 11:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4,5-Tetrachlorobenzene	50.0	31.9	63.8	31.0-121	
1,2,4-Trichlorobenzene	50.0	21.0	42.0	24.0-120	
1,3-Dichlorobenzene	50.0	18.2	36.4	17.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	27.1	54.2	28.0-120	
2,4,5-Trichlorophenol	50.0	43.9	87.8	44.0-120	
2,4,6-Trichlorophenol	50.0	42.3	84.6	42.0-120	
2,4-Dichlorophenol	50.0	31.9	63.8	36.0-120	
2,4-Dimethylphenol	50.0	26.7	53.4	33.0-120	
2,4-Dinitrophenol	50.0	59.7	119	10.0-120	
2,4-Dinitrotoluene	50.0	48.5	97.0	49.0-124	
2,6-Dinitrotoluene	50.0	46.3	92.6	46.0-120	
2-Chloronaphthalene	50.0	35.0	70.0	37.0-120	
2-Chlorophenol	50.0	25.3	50.6	25.0-120	
2-Methylnaphthalene	50.0	32.6	65.2	33.0-120	
2-Methylphenol	50.0	28.6	57.2	28.0-120	
2-Nitroaniline	50.0	46.8	93.6	43.0-120	
2-Nitrophenol	50.0	29.5	59.0	31.0-120	
3,3-Dichlorobenzidine	100	93.0	93.0	44.0-120	
3-Nitroaniline	50.0	50.8	102	38.0-120	
4,6-Dinitro-2-methylphenol	50.0	46.7	93.4	38.0-138	
4-Bromophenyl-phenylether	50.0	41.5	83.0	45.0-120	
4-Chloro-3-methylphenol	50.0	43.2	86.4	40.0-120	
4-Chloroaniline	50.0	34.9	69.8	25.0-120	
4-Chlorophenyl-phenylether	50.0	41.9	83.8	44.0-120	
4-Nitroaniline	50.0	54.0	108	18.0-160	
4-Nitrophenol	50.0	25.7	51.4	10.0-120	
Acenaphthene	50.0	39.8	79.6	41.0-120	
Acenaphthylene	50.0	37.5	75.0	43.0-120	

Laboratory Control Sample (LCS)

(LCS) R4382422-1 06/01/26 11:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	31.4	62.8	29.0-120	
Anthracene	50.0	44.1	88.2	45.0-120	
Benzo(a)anthracene	50.0	43.6	87.2	47.0-120	
Benzo(a)pyrene	50.0	49.5	99.0	47.0-120	
Benzo(b)fluoranthene	50.0	48.5	97.0	46.0-120	
Benzo(g,h,i)perylene	50.0	49.4	98.8	48.0-121	
Benzo(k)fluoranthene	50.0	48.1	96.2	46.0-120	
Benzyl Alcohol	50.0	35.3	70.6	25.0-120	
Benzylbutyl phthalate	50.0	42.4	84.8	43.0-121	
Bis(2-Ethylhexyl)phthalate	50.0	39.7	79.4	43.0-122	
Bis(2-chlorethoxy)methane	50.0	32.6	65.2	33.0-120	
Bis(2-chloroethyl)ether	50.0	26.6	53.2	23.0-120	
Chrysene	50.0	42.6	85.2	48.0-120	
Di-n-butyl phthalate	50.0	49.8	99.6	49.0-121	
Di-n-octyl phthalate	50.0	40.9	81.8	42.0-125	
Dibenz(a,h)anthracene	50.0	50.1	100	47.0-120	
Dibenzofuran	50.0	41.4	82.8	44.0-120	
Diethyl phthalate	50.0	47.2	94.4	48.0-122	
Dimethyl phthalate	50.0	45.6	91.2	48.0-120	
Diphenylamine	50.0	39.5	79.0	35.0-120	
Fluoranthene	50.0	48.4	96.8	51.0-120	
Fluorene	50.0	43.3	86.6	47.0-120	
Hexachloro-1,3-butadiene	50.0	21.0	42.0	19.0-120	
Hexachlorobenzene	50.0	42.4	84.8	44.0-120	
Hexachlorocyclopentadiene	50.0	9.69	19.4	15.0-120	J
Hexachloroethane	50.0	18.9	37.8	15.0-120	
Indeno(1,2,3-cd)pyrene	50.0	52.3	105	49.0-122	
Isophorone	50.0	33.4	66.8	36.0-120	
Naphthalene	50.0	24.7	49.4	27.0-120	
Nitrobenzene	50.0	24.5	49.0	27.0-120	
Pentachlorophenol	50.0	45.2	90.4	23.0-120	
Phenanthrene	50.0	43.3	86.6	46.0-120	
Phenol	50.0	16.0	32.0	10.0-120	
Pyrene	50.0	43.6	87.2	47.0-120	
n-Nitrosodi-n-propylamine	50.0	36.6	73.2	31.0-120	
n-Nitrosodimethylamine	50.0	27.3	54.6	10.0-120	
n-Nitrosodiphenylamine	50.0	39.5	79.0	47.0-120	
(S) p-Terphenyl-d14			*77.6*	*10.0-128*	
(S) 2-Fluorophenol			*31.3*	*10.0-120*	
(S) Nitrobenzene-d5			*46.2*	*10.0-127*	

Laboratory Control Sample (LCS)

(LCS) R4382422-1 06/01/26 11:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*28.2*	*10.0-120*	
(S) 2-Fluorobiphenyl			*65.9*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*76.0*	*10.0-155*	

Laboratory Control Sample (LCS)

(LCS) R4382422-2 06/01/26 12:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3,5-Trinitrobenzene	50.0	53.3	107	37.0-147	
1,3-Dinitrobenzene	50.0	42.5	85.0	34.0-120	
1,4-Naphthoquinone	50.0	4.19	8.38	50.0-150	J J4
1-Naphthylamine	50.0	37.2	74.4	19.0-120	
2,6-Dichlorophenol	50.0	31.8	63.6	19.0-136	
2-Acetylaminofluorene	50.0	43.5	87.0	32.0-120	
2-Naphthylamine	50.0	25.9	51.8	10.0-120	
3,3-Dimethylbenzidine	50.0	21.8	43.6	13.0-120	
3-Methylcholanthrene	50.0	39.3	78.6	30.0-160	
4-Aminobiphenyl	50.0	37.8	75.6	20.0-120	
5-Nitro-o-toluidine	50.0	47.3	94.6	34.0-120	
Chlorobenzilate	50.0	38.5	77.0	29.0-128	J
Diallate	50.0	38.8	77.6	30.0-120	
Dimethoate	50.0	47.0	94.0	11.0-134	J
Dimethylbenz (A) Anthracene	50.0	44.5	89.0	14.0-124	
Dinoseb	50.0	41.1	82.2	39.0-120	J
Diphenylamine	50.0	41.9	83.8	35.0-120	
Disulfoton	50.0	38.7	77.4	32.0-120	
Ethyl Parathion	50.0	46.8	93.6	46.0-130	
Ethyl methanesulfonate	50.0	38.3	76.6	10.0-120	
Famphur	50.0	39.5	79.0	32.0-120	
Hexachloropropene	50.0	21.8	43.6	10.0-120	J
Isodrin	50.0	42.1	84.2	22.0-157	
Isosafrole	50.0	33.3	66.6	25.0-133	
Kepone	50.0	16.6	33.2	10.0-120	J
Methapyrilene	50.0	17.8	35.6	10.0-120	J
Methyl methanesulfonate	50.0	30.6	61.2	10.0-120	J
Methyl parathion	50.0	46.7	93.4	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	30.7	61.4	11.0-135	
P-(Dimethylamino) Azobenzene	50.0	37.5	75.0	27.0-120	

Laboratory Control Sample (LCS)

(LCS) R4382422-2 06/01/26 12:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Pentachlorobenzene	50.0	36.1	72.2	25.0-120	
Pentachloronitrobenzene	50.0	41.6	83.2	34.0-132	
Phenacetin	50.0	48.5	97.0	34.0-127	
Phorate	50.0	63.6	127	13.0-160	
Pronamide	50.0	40.1	80.2	38.0-130	
Safrole	50.0	31.5	63.0	21.0-120	
Thionazin	50.0	42.8	85.6	38.0-121	
n-Nitrosodi-n-butylamine	50.0	45.2	90.4	13.0-143	
n-Nitrosodiethylamine	50.0	35.2	70.4	10.0-120	
n-Nitrosomethylethylamine	50.0	34.3	68.6	10.0-120	
n-Nitrosomorpholine	50.0	46.9	93.8	10.0-120	
n-Nitrosopiperidine	50.0	49.4	98.8	10.0-160	
n-Nitrosopyrrolidine	50.0	42.2	84.4	10.0-124	
o-Toluidine	50.0	38.7	77.4	10.0-120	
p-Phenylenediamine	50.0	ND	0.000	50.0-150	J4

L1978243-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978243-01 06/03/26 04:40 • (MS) R4382420-1 06/03/26 05:02 • (MSD) R4382420-2 06/03/26 05:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4,5-Tetrachlorobenzene	50.0	ND	27.0	24.0	54.0	48.0	1	19.0-122			11.8	32
1,2,4-Trichlorobenzene	50.0	ND	16.7	14.0	33.4	28.0	1	15.0-120			17.6	31
1,3-Dichlorobenzene	50.0	ND	12.6	12.8	25.2	25.6	1	15.0-120			1.57	40
2,2-Oxybis(1-Chloropropane)	50.0	ND	21.2	17.9	42.4	35.8	1	18.0-120			16.9	34
2,4,5-Trichlorophenol	50.0	ND	35.7	43.8	71.4	87.6	1	33.0-120			20.4	31
2,4,6-Trichlorophenol	50.0	ND	34.7	40.9	69.4	81.8	1	26.0-120			16.4	31
2,4-Dichlorophenol	50.0	ND	26.0	25.3	52.0	50.6	1	19.0-120			2.73	27
2,4-Dimethylphenol	50.0	ND	29.1	28.2	58.2	56.4	1	15.0-120			3.14	28
2,4-Dinitrophenol	50.0	ND	26.7	38.1	53.4	76.2	1	10.0-120			35.2	40
2,4-Dinitrotoluene	50.0	ND	39.0	48.4	78.0	96.8	1	39.0-125			21.5	25
2,6-Dinitrotoluene	50.0	ND	38.4	46.2	76.8	92.4	1	36.0-120			18.4	27
2-Chloronaphthalene	50.0	ND	29.1	28.2	58.2	56.4	1	29.0-120			3.14	28
2-Chlorophenol	50.0	ND	16.8	16.8	33.6	33.6	1	18.0-120			0.000	34
2-Methylnaphthalene	50.0	ND	26.1	22.8	52.2	45.6	1	17.0-120			13.5	28
2-Methylphenol	50.0	ND	22.0	21.9	44.0	43.8	1	10.0-120			0.456	30
2-Nitroaniline	50.0	ND	36.6	44.4	73.2	88.8	1	33.0-120			19.3	27
2-Nitrophenol	50.0	ND	22.7	19.6	45.4	39.2	1	20.0-120			14.7	30
3,3-Dichlorobenzidine	100	ND	67.3	76.3	67.3	76.3	1	10.0-134			12.5	30

L1978243-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978243-01 06/03/26 04:40 • (MS) R4382420-1 06/03/26 05:02 • (MSD) R4382420-2 06/03/26 05:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
3-Nitroaniline	50.0	ND	37.9	42.8	75.8	85.6	1	20.0-120			12.1	27
4,6-Dinitro-2-methylphenol	50.0	ND	26.9	33.7	53.8	67.4	1	10.0-144			22.4	39
4-Bromophenyl-phenylether	50.0	ND	41.0	48.1	82.0	96.2	1	37.0-120			15.9	24
4-Chloro-3-methylphenol	50.0	ND	36.1	41.6	72.2	83.2	1	26.0-120			14.2	27
4-Chloroaniline	50.0	ND	32.0	34.0	64.0	68.0	1	10.0-120			6.06	31
4-Chlorophenyl-phenylether	50.0	ND	37.6	44.1	75.2	88.2	1	36.0-120			15.9	23
4-Nitroaniline	50.0	ND	37.3	45.0	74.6	90.0	1	10.0-160			18.7	26
4-Nitrophenol	50.0	ND	15.5	19.0	31.0	38.0	1	10.0-120			20.3	40
Acenaphthene	50.0	ND	33.0	36.1	66.0	72.2	1	28.0-120			8.97	25
Acenaphthylene	50.0	ND	29.9	31.8	59.8	63.6	1	31.0-121			6.16	25
Acetophenone	50.0	ND	25.7	23.6	51.4	47.2	1	20.0-120			8.52	35
Anthracene	50.0	ND	38.3	46.0	76.6	92.0	1	36.0-120			18.3	23
Benzo(a)anthracene	50.0	ND	39.1	46.1	78.2	92.2	1	39.0-120			16.4	23
Benzo(a)pyrene	50.0	ND	44.0	51.9	88.0	104	1	37.0-120			16.5	24
Benzo(b)fluoranthene	50.0	ND	43.3	50.7	86.6	101	1	37.0-120			15.7	23
Benzo(g,h,i)perylene	50.0	ND	44.0	50.6	88.0	101	1	37.0-123			14.0	25
Benzo(k)fluoranthene	50.0	ND	43.0	48.6	86.0	97.2	1	37.0-120			12.2	26
Benzyl Alcohol	50.0	ND	29.9	31.5	59.8	63.0	1	14.0-120			5.21	38
Benzylbutyl phthalate	50.0	ND	41.5	48.7	83.0	97.4	1	34.0-126			16.0	24
Bis(2-Ethylhexyl)phthalate	50.0	ND	38.6	45.0	77.2	90.0	1	33.0-126			15.3	25
Bis(2-chlorethoxy)methane	50.0	ND	25.2	24.7	50.4	49.4	1	17.0-120			2.00	31
Bis(2-chloroethyl)ether	50.0	ND	17.5	15.3	35.0	30.6	1	14.0-120			13.4	33
Chrysene	50.0	ND	38.4	44.9	76.8	89.8	1	38.0-120			15.6	23
Di-n-butyl phthalate	50.0	ND	43.4	52.0	86.8	104	1	35.0-128			18.0	23
Di-n-octyl phthalate	50.0	ND	40.8	47.3	81.6	94.6	1	25.0-135			14.8	26
Dibenz(a,h)anthracene	50.0	ND	45.4	55.6	90.8	111	1	36.0-121			20.2	24
Dibenzofuran	50.0	ND	34.7	38.8	69.4	77.6	1	32.0-120			11.2	26
Diethyl phthalate	50.0	ND	40.4	49.3	80.8	98.6	1	39.0-125			19.8	24
Dimethyl phthalate	50.0	ND	37.7	45.8	75.4	91.6	1	37.0-120			19.4	24
Diphenylamine	50.0	ND	36.8	43.7	73.6	87.4	1	35.0-120			17.1	30
Fluoranthene	50.0	ND	39.6	47.0	79.2	94.0	1	41.0-121			17.1	22
Fluorene	50.0	ND	36.6	42.0	73.2	84.0	1	37.0-120			13.7	24
Hexachloro-1,3-butadiene	50.0	ND	18.3	15.4	36.6	30.8	1	12.0-120			17.2	34
Hexachlorobenzene	50.0	ND	42.4	49.4	84.8	98.8	1	35.0-122			15.3	24
Hexachlorocyclopentadiene	50.0	ND	ND	ND	17.7	15.8	1	10.0-120			11.0	33
Hexachloroethane	50.0	ND	13.6	13.7	27.2	27.4	1	10.0-120			0.733	40
Indeno(1,2,3-cd)pyrene	50.0	ND	47.8	54.6	95.6	109	1	38.0-125			13.3	24
Isophorone	50.0	ND	27.0	27.1	54.0	54.2	1	21.0-120			0.370	27
Naphthalene	50.0	ND	19.4	15.6	38.8	31.2	1	10.0-120			21.7	31
Nitrobenzene	50.0	ND	19.9	15.7	39.8	31.4	1	12.0-120			23.6	30

L1978243-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978243-01 06/03/26 04:40 • (MS) R4382420-1 06/03/26 05:02 • (MSD) R4382420-2 06/03/26 05:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Pentachlorophenol	50.0	ND	34.6	45.1	69.2	90.2	1	10.0-128			26.3	37
Phenanthrene	50.0	ND	38.3	45.4	76.1	90.3	1	33.0-120			17.0	22
Phenol	50.0	ND	17.2	18.0	18.1	19.7	1	10.0-120			4.55	40
Pyrene	50.0	ND	42.5	50.5	85.0	101	1	39.0-120			17.2	22
n-Nitrosodi-n-propylamine	50.0	ND	28.7	26.6	57.4	53.2	1	16.0-120			7.59	30
n-Nitrosodimethylamine	50.0	ND	21.2	21.2	42.4	42.4	1	10.0-120			0.000	40
n-Nitrosodiphenylamine	50.0	ND	36.8	43.7	73.6	87.4	1	37.0-120			17.1	24
(S) p-Terphenyl-d14					*76.9*	*89.3*		*10.0-128*				
(S) 2-Fluorophenol					*20.8*	*21.6*		*10.0-120*				
(S) Nitrobenzene-d5					*37.7*	*30.4*		*10.0-127*				
(S) Phenol-d5					*19.6*	*20.7*		*10.0-120*				
(S) 2-Fluorobiphenyl					*57.6*	*57.8*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*73.5*	*90.0*		*10.0-155*				

L1978243-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978243-01 06/03/26 04:40 • (MS) R4382420-3 06/03/26 05:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
1,3,5-Trinitrobenzene	50.0	ND	50.4	101	1	37.0-147	
1,3-Dinitrobenzene	50.0	ND	42.3	84.6	1	34.0-120	
1,4-Naphthoquinone	50.0	ND	ND	10.5	1	50.0-150	J6
1-Naphthylamine	50.0	ND	24.2	48.4	1	19.0-120	
2,6-Dichlorophenol	50.0	ND	34.6	69.2	1	19.0-136	
2-Acetylaminofluorene	50.0	ND	47.4	94.8	1	32.0-120	
2-Naphthylamine	50.0	ND	16.0	32.0	1	10.0-120	
3,3-Dimethylbenzidine	50.0	ND	ND	4.10	1	13.0-120	J6
3-Methylcholanthrene	50.0	ND	43.7	87.4	1	30.0-160	
4-Aminobiphenyl	50.0	ND	26.3	52.6	1	20.0-120	
5-Nitro-o-toluidine	50.0	ND	42.2	84.4	1	34.0-120	
Chlorobenzilate	50.0	ND	ND	91.2	1	29.0-128	
Diallate	50.0	ND	41.1	82.2	1	30.0-120	
Dimethoate	50.0	ND	ND	82.4	1	11.0-134	
Dimethylbenz (A) Anthracene	50.0	ND	44.7	89.4	1	30.0-120	
Dinoseb	50.0	ND	ND	76.0	1	39.0-120	
Diphenylamine	50.0	ND	42.3	84.6	1	35.0-120	
Disulfoton	50.0	ND	39.1	78.2	1	32.0-120	
Ethyl Parathion	50.0	ND	47.1	94.2	1	46.0-130	
Ethyl methanesulfonate	50.0	ND	38.3	76.6	1	10.0-120	

L1978243-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978243-01 06/03/26 04:40 • (MS) R4382420-3 06/03/26 05:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Famphur	50.0	ND	33.5	67.0	1	32.0-120	
Hexachloropropene	50.0	ND	ND	57.8	1	10.0-120	
Isodrin	50.0	ND	40.8	81.6	1	22.0-157	
Isosafrole	50.0	ND	38.1	76.2	1	25.0-133	
Kepone	50.0	ND	ND	15.4	1	10.0-120	
Methapyrilene	50.0	ND	ND	36.6	1	10.0-120	
Methyl methanesulfonate	50.0	ND	ND	62.6	1	10.0-120	
Methyl parathion	50.0	ND	44.7	89.4	1	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	ND	36.2	72.4	1	11.0-135	
P-(Dimethylamino) Azobenzene	50.0	ND	39.7	79.4	1	27.0-120	
Pentachlorobenzene	50.0	ND	42.0	84.0	1	25.0-120	
Pentachloronitrobenzene	50.0	ND	49.0	98.0	1	34.0-132	
Phenacetin	50.0	ND	46.2	92.4	1	34.0-127	
Phorate	50.0	ND	ND	93.8	1	13.0-160	
Pronamide	50.0	ND	41.7	83.4	1	38.0-130	
Safrole	50.0	ND	35.2	70.4	1	21.0-120	
Thionazin	50.0	ND	46.2	92.4	1	38.0-121	
n-Nitrosodi-n-butylamine	50.0	ND	49.2	98.4	1	13.0-143	
n-Nitrosodiethylamine	50.0	ND	38.9	77.8	1	10.0-120	
n-Nitrosomethylethylamine	50.0	ND	34.5	69.0	1	10.0-120	
n-Nitrosomorpholine	50.0	ND	46.6	93.2	1	10.0-120	
n-Nitrosopiperidine	50.0	ND	51.3	103	1	10.0-160	
n-Nitrosopyrrolidine	50.0	ND	41.1	82.2	1	10.0-124	
o-Toluidine	50.0	ND	34.9	69.8	1	10.0-120	
p-Phenylenediamine	50.0	ND	ND	0.000	1	60.0-140	J6

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
C6	The initial calibration verification standard (SSCV) associated with this data responded low.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

GLOSSARY OF TERMS

Qualifier	Description
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Pres Chk

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
Annual Assessment Monitoring (Spring 2026)

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00001

Collected by (print):
Jeff Hoffman

Site/Facility ID #
IA01

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270AP9D 100ml Amb NoPres	ALKCA,ALKBI 500mlHDPE-NoPres	CL,SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	Herbicides 1L-Amb-No Pres	Metals 250mlHDPE-HNO3	Pesticides/PCBs 100ml Amb-NoPres	SULFIDE 250mlAmb-S-NaOH+ZnAc	TSS 1L-HDPE NoPres	V524LL 40mlAmb-HCl	Remarks	Sample # (lab only)
Trip Blank		GW		5-27-26	700	1	10SU											-01
MW-38A		GW			1135	20	X	X	X	X	X	X	X	X	X	X		-02
MW-37A		GW			1103	20	X	X	X	X	X	X	X	X	X	X		-03
MW-23A		GW			1032	20	X	X	X	X	X	X	X	X	X	X		-04
MW-19A		GW			1044	20	X	X	X	X	X	X	X	X	X	X		-05
MW-12A		GW			1026	20	X	X	X	X	X	X	X	X	X	X		-06
		GW				20	X	X	X	X	X	X	X	X	X	X		

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1978765
Ta A186
Acctnum: WMDICIA
Template: T184306
Prelogin: P1214780
PM: 3564 - Chad A Upchurch
PB: 4-16-26 (W)
Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5-27-26	1400		10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 100	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/28/26 Time: 9:00	Hold: Condition: NCF / OK

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Pres Chk

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
Annual Assessment Monitoring (Spring 2026)

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00001

Collected by (print):
Jeff Hoffman

Site/Facility ID #
IA01

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V524LL 40mlAmb-HCl-Blk	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 40mlAmb-HCl-Blk	V8260ULLC 40mlAmb-HCl	V8260ULLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
Trip Blank		GW		5.27.26	7:00	6	X		X		X		-01
MW-38A		GW			1135	20		X		X			-02
MW-37A		GW			1103	20		X		X			-03
MW-23A		GW			1032	20		X		X			-04
MW-19A		GW			1044	20		X		X			-05
MW-12A		GW			1026	20		X		X			-06
		GW				20		X		X			

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L978765

Table #

Acctnum: **WMDICIA**
Template: **T184306**
Prelogin: **P1214780**
PM: **3564 - Chad A Upchurch**
PB: 4-16-26 cw

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH TBR)	If preservation required by Login: Date/Time
	5-27-26	1400		10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 100	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sabrina	Date: 5/28/26 Time: 9:00	Hold: Condition: NCF / OK

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.: ____ Sample Point: MW38A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L978765

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05 27 26	11:17	:18	27	90	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: ____ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): NA (ft/msl)

Depth to Water (DTW) (from TOC): 158.8 (ft)

Groundwater Elevation (site datum, from TOC): MA (ft/msl)

Total Well Depth (from TOC): 324.1 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1123	3.0 1st	7.03 1st	1205	9.6	0.0	0.5	351	161
1129	6.0 2nd	7.09 2nd	1204	9.6	0.0	0.6	353	161
1135	9.0 3rd	7.11 3rd	1206	9.6	0.0	0.4	364	162
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
05 27 26	7.11	1205	9.6	0.0	0.4	364	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: Clear Odor: None Color: None Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: N@6 Outlook: Clear Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	Dylan Schroederberg		MTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF
Site No.:
Sample Point: MW37A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 6978765

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
052726	1045	1:18	27	90	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
X-Other:
Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)
Filter Type:
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____
Sample Tube Type: D
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): NA (ft/msl)
Depth to Water (DTW) (from TOC): 20.05 (ft)
Groundwater Elevation (site datum, from TOC): NA (ft/msl)
Total Well Depth (from TOC): 36.65 (ft)
Stick Up (from ground elevation): + (ft)
Casing ID: 2 (in)
Casing Material:

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:51	3.0 1st	6.64 1st	3454	10.0	1.4	0.6	-27.8	2.07
10:57	6.0 2nd	6.68 2nd	3469	10.0	0.6	0.6	-31.5	2.07
11:03	9.0 3rd	6.70 3rd	3479	10.0	0.0	0.6	-33.7	2.08
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
052726	6.70	3479	10.0	0.0	0.6	-33.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear Odor: None Color: None Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: N@6 Outlook: Clear Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5.27.26	Dylan Schreiberg		MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: Dickinson SLF
Site No.: ---
Sample Point: MW-23A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L978765

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05/27/26	10:20	:12	20	20	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)
Filter Type: ____ A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____
Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1501.73 (ft/msl)
Depth to Water (DTW) (from TOC): 12.22 (ft)
Groundwater Elevation (site datum, from TOC): 1489.51 (ft/msl)
Total Well Depth (from TOC): 24.22 (ft)
Stick Up (from ground elevation): --- (ft)
Casing ID: 2.0 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional) 4

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1st 10:24	05	1st 6.57	1st 993	9.9	25	0.6	-61.0	---
2nd 10:28	1	2nd 6.57	2nd 993	9.9	25	0.6	-61.0	---
3rd 10:32	1	3rd 6.57	3rd 993	9.9	25	0.6	-61.0	---
4th		4th						13.5
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
05/27/26	6.57	993	9.9	25	0.6	-61.0	---

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: Clear Odor: None Color: None Other: None

Weather Conditions (required daily, or as conditions change): Direction/Speed: WSW/7 Outlook: 79/Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	DF	DF	MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson LF

Site No.:

Sample Point: MW-19A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 478765

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05 27 26	10:26	:18	2.9	9.0	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

X-Other:

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable; B-Pressure; C-Vacuum; X-Other ____

Sample Tube Type: A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1469.58 (ft/msl)	48.1 (ft)	1464.77 (ft/msl)

Total Well Depth (from TOC): 227.0 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2" (in)

Casing Material: ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:32	.5 1st	6.13 1st	1054	8.5	9.9	4.8	100.6	6.7
10:38	.5 2nd	6.20 2nd	1054	8.4	5.8	4.7	100.6	6.9
10:44	.5 3rd	6.26 3rd	1053	8.4	3.5	5.6	101.2	6.9
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
05 27 26	6.26	1053	8.4	3.5	5.6	101.2	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear Odor: none Color: none Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: L+V Outlook: Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): ____

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	JH	[signature]	MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.: | | | | | Sample Point: MW12A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L978765

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05/27/26	1005	1:21	32	105	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: ____ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1536.52 (ft/msl)	14.76 (ft)	1521.76 (ft/msl)

Total Well Depth (from TOC): 34.10 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1008	3.5 1st	6.62 1st	1673	9.6	0.0	0.7	149	19.2
1019	7.0 2nd	6.67 2nd	1668	9.7	0.0	0.6	165	23.4
1026	10.5 3rd	6.70 3rd	1663	9.8	0.0	0.6	171	32.74
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
05/27/26	6.70	1663	9.8	0.0	0.6	171	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Clear — Odor: None — Color: None — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: WSW 6 — Outlook: Clear — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5/27/26	Dylan Schreckenberg		NWTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

Minnesota Valley Testing Laboratories, Inc.

New Ulm, MN 56073 507 354 8517

L4978165

Groundwater Level Measurements

Sampling Personnel: DF

Site: Dickinson Co. SLF

Facility ID: NA

Date: 27 May 14

Well Number	MW-14A	MW-15A	MW-17A				
Time	9:24	9:20	9:16				
Unique Station ID	NA	NA	NA				
Well Casing Elevation	1483.98	1476.03	1473.61				
Depth to Water	6.08	7.03	7.95				
Static Elevation	1477.90	1469.00	1465.66				
Previous Static	—	—	—				
Casing Diameter	2"	2"	2"				
Well Depth	21.95	28.02	23.05				
Well Volume	2.58	3.42	2.46				
Well Locked	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Well Labeled	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Well Straight	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
State Id Tag	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Protective Posts	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Grout Seal Intact	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Dedicated Equipment	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no

Well Number							
Time							
Unique Station ID							
Well Casing Elevation							
Depth to Water							
Static Elevation							
Previous Static							
Casing Diameter							
Well Depth							
Well Volume							
Well Locked	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Well Labeled	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Well Straight	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
State Id Tag	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Protective Posts	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Grout Seal Intact	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no
Dedicated Equipment	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no	yes / no

GROUNDWATER SAMPLING AND/OR
GROUNDWATER ELEVATION MEASUREMENT

U978765

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-11A Upgradient _____
Downgradient _____

Name of person sampling Dylan Schreckenberg

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? No
If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1532.39 Ground Elevation 1508.07
Depth of Well 31.22 Inside casing diameter (in inches) 2"
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	27May26/937	24.32	1508.07
* After Purging	1/946	24.70	1507.69
* Before Sampling	1/1	1	1

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 4.5
No. of Well Volumes (based on current water level) 3
Was well pumped / bailed dry? _____

Equipment used:
Bailer type _____ Dedicated Bailer? _____
Pump type QED Bladder Dedicated Pump? Yes
If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 77° NE6 clear
Field Measurements (after stabilization):
Temperature 10.4 Units °C
Equipment Used YSI 6820 Multi Parameter Meter
pH 7.16
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 1043
Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

L1978765

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-12A Upgradient _____ Downgradient _____

Name of person sampling Dylan Schreckenberg

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? No

If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1536.52 Ground Elevation 1521.76

Depth of Well 34.1 Inside casing diameter (in inches) 2"

Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	27May26/1005	14.76	1521.76
* After Purging	/ 1026	27.4	1509.12
* Before Sampling	/	"	"

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 10.5

No. of Well Volumes (based on current water level) 3.0

Was well pumped / bailed dry? _____

Equipment used:

Bailer type _____ Dedicated Bailer? _____

Pump type QED Bladder Dedicated Pump? Yes

If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 77° NEG Clear

Field Measurements (after stabilization):

Temperature 9.8 Units °C

Equipment Used YSI 6820 Multi Parameter Meter

pH 6.70

Equipment Used YSI 6820 Multi Parameter Meter

Specific Cond. 1663

Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

U978765

GROUNDWATER SAMPLING AND/OR
GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-13A Upgradient _____
Downgradient _____

Name of person sampling DF

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Y Standing Water of Litter? N
If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1509.86 Ground Elevation _____
Depth of Well 33.99 Inside casing diameter (in inches) 2"
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	27 May 26 935	16.59	1493.27
* After Purging	1 947	28.45	1481.41
* Before Sampling	1 947	28.45	1481.41

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 8.4
No. of Well Volumes (based on current water level) 3
Was well pumped / bailed dry? N

Equipment used:
Bailer type _____ Dedicated Bailer? _____
Pump type (QED Bladder) Dedicated Pump? (Yes)
If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 77 / Sunny / SW @ 8
Field Measurements (after stabilization):
Temperature 10.2 Units C
Equipment Used YSI 6820 Multi Parameter Meter
pH 6.47
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 912
Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

L978765

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-19A Upgradient _____
Downgradient _____

Name of person sampling JH, ZH

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? —
If no, explain — If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1469.58 Ground Elevation 1464.77
Depth of Well 22.70 Inside casing diameter (in inches) 2"
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	5.27.26 10:26	4.81	1464.77
* After Purging	—	—	—
* Before Sampling	—	6.9	—

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 9.0
No. of Well Volumes (based on current water level) 3
Was well pumped / bailed dry? ND

Equipment used:
Bailer type _____ Dedicated Bailer? _____
Pump type QED Bladder Dedicated Pump? Yes
If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 85 LtV Sunny
Field Measurements (after stabilization):
Temperature 8.4 Units C
Equipment Used YSI 6820 Multi Parameter Meter
pH 6.26
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 1053
Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

L1978765

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-21A Upgradient _____ Downgradient _____

Name of person sampling DF

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Y Standing Water of Litter? N

If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1499.88 Ground Elevation _____

Depth of Well 49.88 Inside casing diameter (in inches) 2"

Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	5-27-26/1100	24.34	1475.54
* After Purging		36.10	1463.78
* Before Sampling		36.10	1463.78

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 12.6

No. of Well Volumes (based on current water level) 3

Was well pumped / bailed dry? N

Equipment used:

Bailer type _____ Dedicated Bailer? _____

Pump type QED Bladder Dedicated Pump? Yes

If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 81 / Sunny / W @ 7

Field Measurements (after stabilization):

Temperature 12.5 Units C

Equipment Used YSI 6820 Multi Parameter Meter

pH 6.97

Equipment Used YSI 6820 Multi Parameter Meter

Specific Cond. 875

Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

L1978765

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-23A Upgradient _____ Downgradient _____

Name of person sampling DF

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Y Standing Water of Litter? N
If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1501.73 Ground Elevation _____
Depth of Well 24.22 Inside casing diameter (in inches) 2"
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	5-27-26 1120	12.22	1489.51
* After Purging	1032	13.50	1488.23
* Before Sampling	1032	13.50	1488.23

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 6.0
No. of Well Volumes (based on current water level) 3
Was well pumped / bailed dry? N

Equipment used:
Bailer type _____ Dedicated Bailer? _____
Pump type QED Bladder Dedicated Pump? Yes
If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 79 / Sunny / WSW @ 7
Field Measurements (after stabilization):
Temperature 9.9 Units C
Equipment Used YSI 6820 Multi Parameter Meter
pH 6.57
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 993
Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

L9787665

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-34A Upgradient _____ Downgradient _____

Name of person sampling JH, ZH

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? _____

If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1486.93 NA Ground Elevation 1465.46

Depth of Well 28.89 Inside casing diameter (in inches) 2"

Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	5/27/24	21.47	1465.46
* After Purging			
* Before Sampling			

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 1.5

No. of Well Volumes (based on current water level) 1

Was well pumped / bailed dry? Yes

Equipment used:

Bailer type _____ Dedicated Bailer? _____

Pump type QED Bladder Dedicated Pump? Yes

If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 80° Arv

Field Measurements (after stabilization):

Temperature 10.9 Units C

Equipment Used YSI 6820 Multi Parameter Meter

pH 6.39

Equipment Used YSI 6820 Multi Parameter Meter

Specific Cond. 1378

Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

L1978765

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-37A Upgradient _____ Downgradient _____

Name of person sampling Dylan Schreckenberg

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? No

If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing NA Ground Elevation NA

Depth of Well 36.65 Inside casing diameter (in inches) 2

Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	27 May 26 / 1045	20.05	NA
* After Purging	/ 1103	20.8	
* Before Sampling	/		

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 9.0

No. of Well Volumes (based on current water level) 3

Was well pumped / bailed dry? _____

Equipment used:

Bailer type _____ Dedicated Bailer? _____

Pump type QED Bladder Dedicated Pump? (Yes)

If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 77° NE6 Clear

Field Measurements (after stabilization):

Temperature 10.0 Units °C

Equipment Used YSI 6820 Multi Parameter Meter

pH 6.70

Equipment Used YSI 6820 Multi Parameter Meter

Specific Cond. 3479

Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

LR78765

GROUNDWATER SAMPLING AND/OR
GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-38A Upgradient _____
Downgradient _____

Name of person sampling Dylan Schreckenberg

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? No
If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing NA Ground Elevation NA
Depth of Well 32.41 Inside casing diameter (in inches) 2
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	7/Mar 26/1117	15.83	NA
* After Purging	1/1135	16.2	
* Before Sampling	/ /	/	/

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 9.0
No. of Well Volumes (based on current water level) 3
Was well pumped / bailed dry? _____

Equipment used:
Bailer type _____ Dedicated Bailer? _____
Pump type QED Bladder Dedicated Pump? (Yes)
If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 77° NE6 clear
Field Measurements (after stabilization):
Temperature 9.6 Units °C
Equipment Used YSI 6820 Multi Parameter Meter
pH 7.11
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 1205
Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

LA78765

GROUNDWATER SAMPLING AND/OR
GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-39A Upgradient _____
Downgradient _____

Name of person sampling JH, ZH

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? _____
If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1478.60 NA Ground Elevation 1465.63 NA
Depth of Well 23.95 Inside casing diameter (in inches) 2
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	5-27-26 11:02	12.97	1465.63
* After Purging	⊥		
* Before Sampling		15.16	

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 8.0
No. of Well Volumes (based on current water level) 4.0
Was well pumped / bailed dry? _____

Equipment used:
Bailer type _____ Dedicated Bailer? _____
Pump type QED Bladder Dedicated Pump? Yes
If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 85 L+V
Field Measurements (after stabilization):
Temperature 8.6 Units C°
Equipment Used YSI 6820 Multi Parameter Meter
pH 7.06
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 735
Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

L978765

GROUNDWATER SAMPLING AND/OR
GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. _____

Monitoring Well/Piezometer No. MW-40 Upgradient _____
Downgradient _____

Name of person sampling JH ZH

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? _____
If no, explain _____ If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1496.91 NA Ground Elevation 1478.73 ~~NA~~
Depth of Well 32.15 Inside casing diameter (in inches) 2
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	5:27:26 1132	18.18	1478.73
* After Purging	↓		
* Before Sampling	↓	22.3	

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 7.5
No. of Well Volumes (based on current water level) 3
Was well pumped / bailed dry? —

Equipment used:
Bailer type _____ Dedicated Bailer? _____
Pump type QED Bladder Dedicated Pump? Yes
If not dedicated, method of cleaning _____

*D. FIELD MEASUREMENT

Weather Conditions 85 LtV
Field Measurements (after stabilization):
Temperature 9.4 Units C
Equipment Used YSI 6820 Multi Parameter Meter
pH 7.16
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 1058
Equipment Used YSI 6820 Multi Parameter Meter

Comments _____

DC#_Title: Excel Form Template

Effective Date:

Multiple Parcel Form

L# L978765

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
7922 9765 9717	AHA8	0.6	-0.1	0.5	(Yes) / No / Not Present
7922 9755 8339	AHA8	0.6	-0.1	0.5	(Yes) / No / Not Present
7922 9765 9420	AHA8	4.7	-0.1	4.6	(Yes) / No / Not Present
7922 9765 9809	AHA8	1.8	-0.1	1.7	(Yes) / No / Not Present
7922 9765 9349	AHA8	1.8	-0.1	1.7	(Yes) / No / Not Present
7922 9765 9544	AHA8	0.5	-0.1	0.4	(Yes) / No / Not Present
7922 9765 9625	AHA8	4.8	-0.1	4.7	(Yes) / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Sabryn

Name

5128126

Date

ANALYTICAL REPORT

June 11, 2026

Dickinson Landfill

Sample Delivery Group:	L1978989
Samples Received:	05/28/2026
Project Number:	600
Description:	Annual Holding Pond NPDES
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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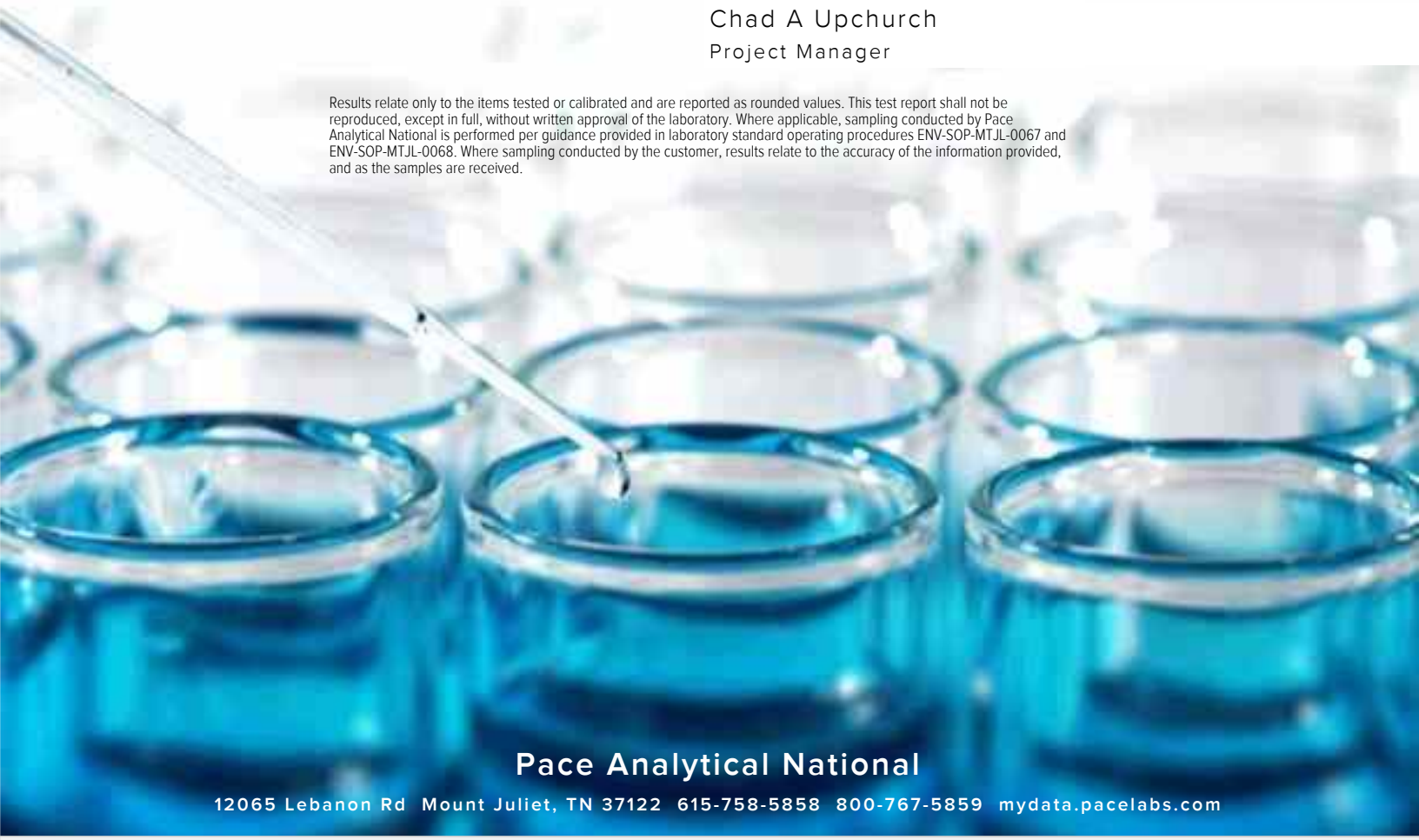

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SAMPLE SUMMARY

GW Holding Pond L1978989-01

Collected by: DF
Collected date/time: 05/27/26 11:45
Received date/time: 05/28/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2763600	1	05/29/26 12:51	05/29/26 18:52	AMG	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2764906	1	06/02/26 14:57	06/02/26 19:47	DGC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2764168	1	05/31/26 11:04	05/31/26 11:04	BDP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2764668	1	05/31/26 18:44	05/31/26 18:44	RTW	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2763466	1	05/30/26 19:16	05/30/26 19:16	WFS	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2764844	1	06/01/26 10:22	06/01/26 14:36	DMB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2763443	1	05/29/26 17:39	05/31/26 20:30	AMJ	Mt. Juliet, TN
Wet Chemistry by Method 4500H+ B-2011	WG2764045	1	05/29/26 21:10	05/29/26 21:10	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763522	1	06/02/26 16:02	06/02/26 16:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2770648	1	06/10/26 05:13	06/10/26 05:13	AF	Mt. Juliet, TN
Mercury by Method 7470A	WG2763704	1	05/29/26 19:43	06/01/26 22:01	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2764814	1	06/04/26 11:11	06/04/26 16:54	NMM	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2764833	1	06/03/26 10:27	06/03/26 21:05	MAP	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2764045	4500H+ B-2011	L1978989-01

Wet Chemistry by Method 410.4

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2764844	(MSD) R4381116-6	COD

Metals (ICP) by Method 6010C

Analysis was filtered in the laboratory.

Batch	Method	Lab Sample ID
WG2764814	6010C	L1978989-01

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Dissolved Oxygen (on-site)	22.5	mg/L
pH (On Site)	9.2	su
Specific Conductance (on site)	567	umhos/cm
Temperature (on-site)	26.7	Deg C
Turbidity (on-site)	11.6	NTU

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	359		10.0	1	05/29/2026 18:52	WG2763600

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Oil & Grease (Hexane Extr)	ND		5.00	1	06/02/2026 19:47	WG2764906

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	177		20.0	1	05/31/2026 11:04	WG2764168
Alkalinity,Bicarbonate	118		20.0	1	05/31/2026 11:04	WG2764168

Sample Narrative:

L1978989-01 WG2764168: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/31/2026 18:44	WG2764668

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	05/30/2026 19:16	WG2763466

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	57.9		10.0	1	06/01/2026 14:36	WG2764844

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.00500	1	05/31/2026 20:30	WG2763443

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	SU			date / time	
pH	9.36	T8	1	05/29/2026 21:10	WG2764045

Sample Narrative:

L1978989-01 WG2764045: 9.36 at 20.9C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	45.3		1.00	1	06/02/2026 16:02	WG2763522
Sulfate	56.0		5.00	1	06/02/2026 16:02	WG2763522

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC (Total Organic Carbon)	13.2		1.00	1	06/10/2026 05:13	WG2770648

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	06/01/2026 22:01	WG2763704

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/03/2026 21:05	WG2764833
Arsenic	0.0153		0.0100	1	06/03/2026 21:05	WG2764833
Barium	0.0206		0.00500	1	06/03/2026 21:05	WG2764833
Calcium	26.3		1.00	1	06/03/2026 21:05	WG2764833
Cadmium	ND		0.00200	1	06/03/2026 21:05	WG2764833
Chromium	ND		0.0100	1	06/03/2026 21:05	WG2764833
Iron	1.37		0.100	1	06/03/2026 21:05	WG2764833
Potassium	9.18		1.00	1	06/03/2026 21:05	WG2764833
Magnesium,Dissolved	37.1		1.00	1	06/04/2026 16:54	WG2764814
Magnesium	37.1		1.00	1	06/03/2026 21:05	WG2764833
Sodium	35.5		1.00	1	06/03/2026 21:05	WG2764833
Lead	ND		0.00500	1	06/03/2026 21:05	WG2764833
Selenium	ND		0.0100	1	06/03/2026 21:05	WG2764833

Method Blank (MB)

(MB) R4380772-1 05/29/26 18:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	ND		2.82	10.0

L1979013-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1979013-02 05/29/26 18:52 • (DUP) R4380772-3 05/29/26 18:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	713	701	1	1.70		10

Laboratory Control Sample (LCS)

(LCS) R4380772-2 05/29/26 18:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8370	95.1	90.0-110	

Method Blank (MB)

(MB) R4381837-1 06/02/26 19:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Oil & Grease (Hexane Extr)	ND		1.16	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4381837-2 06/02/26 19:47 • (LCSD) R4381837-3 06/02/26 19:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Oil & Grease (Hexane Extr)	40.0	38.3	37.7	95.8	94.3	78.0-114			1.58	20

L1978748-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978748-01 06/02/26 19:47 • (MS) R4381837-4 06/02/26 19:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Oil & Grease (Hexane Extr)	40.0	ND	43.0	108	1	78.0-114	

Method Blank (MB)

(MB) R4380895-2 05/31/26 10:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	ND		2.71	20.0
Alkalinity,Bicarbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1978989-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978989-01 05/31/26 11:04 • (DUP) R4380895-3 05/31/26 11:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	177	175	1	1.46		20
Alkalinity,Bicarbonate	118	116	1	1.64		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1979379-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1979379-01 05/31/26 12:30 • (DUP) R4380895-4 05/31/26 12:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	187	189	1	1.10		20
Alkalinity,Bicarbonate	187	189	1	1.10		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R4380895-1 05/31/26 10:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100	101	101	90.0-110	

Laboratory Control Sample (LCS)

(LCS) R4380895-1 05/31/26 10:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R4380873-1 05/31/26 18:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1979083-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1979083-01 05/31/26 18:47 • (DUP) R4380873-3 05/31/26 18:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		10

L1979143-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1979143-01 05/31/26 19:18 • (DUP) R4380873-6 05/31/26 19:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4380873-2 05/31/26 18:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.63	102	90.0-110	

L1979083-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979083-01 05/31/26 18:47 • (MS) R4380873-4 05/31/26 18:50 • (MSD) R4380873-5 05/31/26 18:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	5.10	4.88	102	97.7	1	90.0-110			4.43	10

L1979143-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1979143-01 05/31/26 19:18 • (MS) R4380873-7 05/31/26 19:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.03	101	1	90.0-110	

Method Blank (MB)

(MB) R4380702-1 05/30/26 18:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	ND		0.0197	0.100

Laboratory Control Sample (LCS)

(LCS) R4380702-2 05/30/26 18:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.54	101	90.0-110	

L1978817-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978817-01 05/30/26 18:10 • (MS) R4380702-3 05/30/26 18:12 • (MSD) R4380702-4 05/30/26 18:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.173	2.62	2.65	97.8	99.1	1	90.0-110			1.25	20

L1978817-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978817-13 05/30/26 18:52 • (MS) R4380702-5 05/30/26 18:55 • (MSD) R4380702-6 05/30/26 18:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	ND	2.40	2.52	95.8	101	1	90.0-110			4.93	20

Method Blank (MB)

(MB) R4381116-1 06/01/26 14:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
COD	6.76	J	3.00	10.0

Laboratory Control Sample (LCS)

(LCS) R4381116-2 06/01/26 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
COD	500	537	107	90.0-110	

L1978817-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978817-12 06/01/26 14:33 • (MS) R4381116-3 06/01/26 14:33 • (MSD) R4381116-4 06/01/26 14:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
COD	500	40.0	587	586	109	109	1	90.0-110			0.194	20

L1978817-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978817-13 06/01/26 14:33 • (MS) R4381116-5 06/01/26 14:33 • (MSD) R4381116-6 06/01/26 14:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
COD	500	10.8	551	557	110	111	1	90.0-110		J5	1.05	20

Method Blank (MB)

(MB) R4380853-1 05/31/26 20:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	ND		0.00180	0.00500

L1978989-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978989-01 05/31/26 20:30 • (DUP) R4380853-3 05/31/26 20:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4380853-2 05/31/26 20:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.105	105	82.0-116	

L1979010-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979010-03 05/31/26 20:36 • (MS) R4380853-4 05/31/26 20:37 • (MSD) R4380853-5 05/31/26 20:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	ND	0.0945	0.103	94.5	103	1	82.0-116			8.61	20

L1979013-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1979013-05 05/31/26 20:51 • (MS) R4380853-6 05/31/26 20:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Cyanide	0.100	ND	0.101	98.8	1	82.0-116	

L1978534-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978534-01 05/29/26 21:10 • (DUP) R4380534-2 05/29/26 21:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.55	7.58	1	0.397		1

Sample Narrative:

OS: 7.55 at 19.9C

DUP: 7.58 at 20.4C

L1979104-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1979104-02 05/29/26 21:10 • (DUP) R4380534-3 05/29/26 21:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.87	7.89	1	0.254		1

Sample Narrative:

OS: 7.87 at 20.9C

DUP: 7.89 at 21.3C

Laboratory Control Sample (LCS)

(LCS) R4380534-1 05/29/26 21:10

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.01 at 21.9C

Method Blank (MB)

(MB) R4381975-1 06/02/26 11:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0957	J	0.0519	1.00
Sulfate	0.143	J	0.0774	5.00

L1978938-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978938-01 06/02/26 12:09 • (DUP) R4381975-3 06/02/26 12:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5.63	5.54	1	1.62		15
Sulfate	ND	ND	1	0.000		15

L1978938-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1978938-05 06/02/26 13:10 • (DUP) R4381975-5 06/02/26 13:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7.91	7.89	1	0.300		15
Sulfate	17.6	17.5	1	0.589		15

Laboratory Control Sample (LCS)

(LCS) R4381975-2 06/02/26 11:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.3	98.3	80.0-120	
Sulfate	40.0	39.1	97.8	80.0-120	

L1978938-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978938-01 06/02/26 12:09 • (MS) R4381975-4 06/02/26 12:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	5.63	44.0	95.9	1	80.0-120	
Sulfate	40.0	ND	38.2	95.5	1	80.0-120	

L1978938-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978938-05 06/02/26 13:10 • (MS) R4381975-6 06/02/26 13:30 • (MSD) R4381975-7 06/02/26 13:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	7.91	45.2	45.3	93.3	93.4	1	80.0-120			0.139	15
Sulfate	40.0	17.6	52.9	53.1	88.4	88.8	1	80.0-120			0.264	15

Method Blank (MB)

(MB) R4385078-2 06/09/26 18:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	ND		0.102	1.00

L1978732-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1978732-04 06/09/26 20:41 • (DUP) R4385078-5 06/09/26 21:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	13.3	13.4	1	0.751		20

L1978817-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1978817-14 06/10/26 03:21 • (DUP) R4385078-8 06/10/26 03:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1.02	ND	1	5.76		20

Laboratory Control Sample (LCS)

(LCS) R4385078-1 06/09/26 18:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25.0	25.1	101	80.0-120	

L1978700-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978700-03 06/09/26 19:34 • (MS) R4385078-3 06/09/26 19:56 • (MSD) R4385078-4 06/09/26 20:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25.0	1.24	25.9	25.9	98.5	98.5	1	75.0-125			0.0387	20

L1978817-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978817-13 06/10/26 02:14 • (MS) R4385078-6 06/10/26 02:37 • (MSD) R4385078-7 06/10/26 03:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25.0	1.95	26.5	26.4	98.4	97.9	1	75.0-125			0.415	20

Method Blank (MB)

(MB) R4380673-1 05/30/26 18:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	ND		0.0000490	0.000200

Laboratory Control Sample (LCS)

(LCS) R4380673-2 05/30/26 18:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00258	86.0	80.0-120	

L1979014-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979014-01 05/30/26 18:23 • (MS) R4380673-4 05/30/26 18:29 • (MSD) R4380673-5 05/30/26 18:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00264	0.00258	87.8	86.0	1	75.0-125			2.18	20

Method Blank (MB)

(MB) R4382975-1 06/04/26 16:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Magnesium,Dissolved	0.0442	J	0.0111	1.00

Laboratory Control Sample (LCS)

(LCS) R4382975-2 06/04/26 16:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Magnesium,Dissolved	10.0	10.1	101	80.0-120	

L1978693-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978693-01 06/04/26 16:17 • (MS) R4382975-4 06/04/26 16:22 • (MSD) R4382975-5 06/04/26 16:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Magnesium,Dissolved	10.0	33.5	42.3	41.5	87.8	79.7	1	75.0-125			1.94	20

Method Blank (MB)

(MB) R4382505-1 06/03/26 19:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Calcium	0.0884	J	0.0463	1.00
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Iron	0.0154	J	0.0141	0.100
Potassium	ND		0.102	1.00
Magnesium	0.0166	J	0.0111	1.00
Sodium	0.172	J	0.0111	1.00
Lead	ND		0.00190	0.00500
Selenium	ND		0.00740	0.0100

Laboratory Control Sample (LCS)

(LCS) R4382505-2 06/03/26 19:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.204	102	80.0-120	
Arsenic	1.00	0.979	97.9	80.0-120	
Barium	1.00	1.04	104	80.0-120	
Calcium	10.0	10.2	102	80.0-120	
Cadmium	1.00	0.965	96.5	80.0-120	
Chromium	1.00	0.993	99.3	80.0-120	
Iron	10.0	10.1	101	80.0-120	
Potassium	10.0	9.74	97.4	80.0-120	
Magnesium	10.0	9.99	99.9	80.0-120	
Sodium	10.0	9.98	99.8	80.0-120	
Lead	1.00	0.948	94.8	80.0-120	
Selenium	1.00	0.994	99.4	80.0-120	

L1978988-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978988-01 06/03/26 19:59 • (MS) R4382505-4 06/03/26 20:15 • (MSD) R4382505-5 06/03/26 20:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.202	0.204	101	102	1	75.0-125			0.732	20
Arsenic	1.00	ND	0.984	0.995	97.4	98.5	1	75.0-125			1.05	20
Barium	1.00	0.0564	1.12	1.07	106	101	1	75.0-125			4.50	20

L1978988-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978988-01 06/03/26 19:59 • (MS) R4382505-4 06/03/26 20:15 • (MSD) R4382505-5 06/03/26 20:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	10.0	165	177	176	115	103	1	75.0-125			0.690	20
Cadmium	1.00	ND	0.969	0.969	96.9	96.9	1	75.0-125			0.0305	20
Chromium	1.00	0.427	1.43	1.41	100	98.0	1	75.0-125			1.65	20
Iron	10.0	ND	10.3	10.0	103	100	1	75.0-125			2.48	20
Potassium	10.0	2.83	12.9	12.6	100	98.0	1	75.0-125			1.81	20
Magnesium	10.0	11.9	22.2	21.7	102	97.9	1	75.0-125			1.99	20
Sodium	10.0	6.06	16.2	16.0	102	99.3	1	75.0-125			1.61	20
Lead	1.00	ND	0.935	0.929	93.5	92.9	1	75.0-125			0.618	20
Selenium	1.00	ND	0.989	0.999	98.9	99.9	1	75.0-125			0.971	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Pres Chk

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
Annual Holding Pond NPDES

City/State Collected: **Milford/IA**

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #: **600**

Lab Project #: **WMDICIA-00011**

Collected by (print): **DF**

Site/Facility ID #: **IA01**

P.O. #

Collected by (signature): **DF**

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,ALKBI,PH 250mlHDPE-NoPres	CL,SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	COD,NH3,NO2NO3 500mlHDPE-Add H2SO4	Diss Mg-Lab filter 250mlHDPE-NoPres	OGHEX 1L-Clr-WT-HCl	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	Total Metals 250mlHDPE-HNO3		Remarks	Sample # (lab only)
GW Holding Pond	Grab	GW		5-27-26	1145	10	X	X	X	X	X	X	X	X	X			-01

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1978989

G045

Acctnum: **WMDICIA**
Template: **T273312**
Prelogin: **P1213308**
PM: **3564 - Chad A Upchurch**
PB: MM 4/10/26
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7922 8938 3704

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		X N
Bottles arrive intact:		X N
Correct bottles used:		X N
Sufficient volume sent:		X N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		X N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
DF	5-27-26	1400	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for Lab by: (Signature)

Trip Blank Received: Yes / No (No)
HCL / MeoH
TBR

Temp: °C Bottles Received: 10

AHM835-0134

Date: 5/28/26 Time: 9:15

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK (OK)

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1978989

Site Name: Dickinson LF

Sample I.D.: GW Holding Pond

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: [D] D - Direct, I - Indirect, V - Visual

Sampling Equipment: [S] D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other [ ]

Sample Type: [ ] (Grab) / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
5-27-26	1145	9.20	567	26.7	11.6	22.5	27.2

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Slightly Earthy Color: Slightly Tan Other: None

Sheen Present [Y] or [N] Foam Present: [Y] or [N] Floating Solids: [Y] or [N]

Weather Conditions: (required daily, or as conditions change): 82/Sunny

Direction/Speed: W/6 Precipitation: [Y] or [N]

Specific Comments:

Date	Name	Signature	Company
5/27/26	DF	DF	MVTL
/ /			

Attachment B – Spring 2026 Statistical Report (Otter Creek)

GROUND WATER STATISTICS

FOR THE

DICKINSON COUNTY LANDFILL

First Semi-Annual Monitoring Event in 2026

Prepared for:
Dickinson County Landfill
2575 190th Street
Spirit Lake, Dickinson County, IA

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, LLC
Elgin, IL
(847) 464-1355

June 2026

INTRODUCTION

This report summarizes the statistical analysis for evaluating the groundwater quality data at the Dickinson County Landfill in Spirit Lake, Dickinson County, Iowa. The plan is designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. Both interwell and intrawell methodologies are described and then applied to the Dickinson County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities,"* March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for Dickinson County Sanitary Landfill includes background wells MW-11A, MW-13A, MW-34A, and MW-36A and downgradient wells MW-12A, MW-19A, MW-21A, MW-23A, MW-37A, MW-38A, MW-39A, MW-40A, and MW-41A. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

Table 1: Detection monitoring constituents listed in Appendix I of IAC 567, Chapter 113.

Organic Compounds:

Acetone	*trans*-1,4-Dichloro-2-butene	Iodomethane
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone
Benzene	1,2-Dichloroethane	Styrene
Bromochloromethane	1,1-Dichloroethene	1,1,1,2-Tetrachloroethane
Bromodichloromethane	*cis*-1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	*trans*-1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	*cis*-1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	*trans*-1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

The ground water data obtained during the first semi-annual monitoring event in 2026 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were applied to the Dickinson County Landfill data using the DUMPStat® statistical program. DUMPStat® is a program for the statistical analysis of groundwater monitoring data using methods described in "Statistical Methods for Groundwater Monitoring" by Dr. Robert D. Gibbons. The DUMPStat program is completely consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance.

Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-11A, MW-13A, MW-34A, and MW-36A during the period from 2010 through the current data. A summary of the background data from monitoring wells MW-11A, MW-13A, MW-34A, and MW-36A, used to determine the site prediction limits, is listed in Attachment B, Table 1 "Upgradient Data". This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 "Most Current Downgradient Monitoring Data", summarizes the current data from downgradient wells MW-12A, MW-19A, MW-21A, MW-23A, MW-37A, MW-38A, MW-39A, and MW-40A compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the parameters evaluated, the prediction limit exceedances detected are summarized in the table below.

Summary of Prediction Limit Exceedances for the First Semi-Annual Monitoring Event in 2026

Well	Trace Metal	Result	Prediction Limit	Prediction Limit Type	Verified or Awaiting Verification
MW-19A	Nickel, µg/L	27.3	21.0000	Nonparametric	Verified
MW-23A	Arsenic, µg/L	42.0	10.0000	Nonparametric	Verified
	Barium, µg/L	1550	451.0000	Nonparametric	Verified
MW-37A	Arsenic, µg/L	51.0	10.0000	Nonparametric	Verified
	Barium, µg/L	1280	451.0000	Nonparametric	Verified
	Cobalt, µg/L	22.1	11.0000	Nonparametric	Verified
	Nickel, µg/L	313	21.0000	Nonparametric	Verified
MW-38A	Nickel, µg/L	36.3	21.0000	Nonparametric	Verified

The detection frequency of the parameters in the up and down gradient monitoring wells is summarized in Table 3. These constituents are rarely detected in the upgradient wells, with barium being the exception. With the detection frequencies being less than 50% for all but barium, nonparametric site prediction limits were used for those trace metals. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. For nonparametric cases, the prediction limit given indicates the highest concentration determined historically at MW-11A, MW-13A, MW-34A, and MW-36A, once outliers have been excluded. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The past and current verified metals exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment C). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for cobalt at MW-23A (2.787 µg/L) exceeds the GWPS of 2.1 µg/L. The 95% LCL for arsenic at MW-37A (49.857 µg/L) exceeds the USEPA MCL of 10 µg/L. The 95% LCL for cobalt at MW-37A (21.183 µg/L) exceeds the GWPS of 2.1 µg/L. The 95% LCL for nickel at MW-37A (257.531 µg/L)

exceeds the USEPA MCL of 100 µg/L. The remainder of the calculated 95% LCLs are below the respective standards.

Intrawell statistics

Intrawell statistics are appropriate for facilities where the upgradient wells do not accurately characterize the natural ground water conditions downgradient from the facility. This may be due to different hydrogeological conditions where the wells are screened, having too few upgradient wells to account for the spatial variability, or the site exhibiting no definable hydraulic gradient. Intrawell statistics compare new measurements to the historical data at each ground water monitoring well independently. It is recommended that at least eight background samples be obtained prior to performing the statistics.

The most useful technique for intrawell comparisons is the combined Shewhart-CUSUM control chart. This control chart procedure is useful because it will detect releases both in terms of the constituent concentration and cumulative increases. This method is also extremely sensitive to sudden and gradual releases. A requirement for constructing these control charts is that the parameter is detected at a frequency greater than or equal to 25%, otherwise the data variance is not properly defined.

The combined Shewhart-CUSUM control chart assumes that the data are independent and normally distributed with a fixed mean and a constant variance. Independent data is much more critical than the normality assumption. To achieve independence, it is recommended that data are collected no more frequently than quarterly to account for seasonal variation. The combined Shewhart-CUSUM control chart is extremely robust to deviations from normality. Because the control charts do not use a specific multiplier based on a normal distribution, it is more conservative to assume normality.

It is recommended that at least eight rounds of data be available to provide a reliable estimate of the mean and standard deviation of the parameter concentration, although the control charts will be generated with as few as four data points. Having only four data points may produce greater uncertainty in the mean and standard deviation of the background data, leading to higher control limits, thus having a potentially high false negative rate.

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time at a particular well, the data should be plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

In developing the statistical background, the historical data must be thoroughly screened for anomalous data due to sampling error, analytical error, or simply by chance alone. An erroneous data point, if not removed prior to the mean and variance computations, would yield a larger control limit thus increasing

the false negative rate. The DUMPStat® program screens for outliers using the Dixon test. Anomalous data will still be plotted on the graphs (with a unique symbol) but will not be included in the calculations.

The verification resample plan is an integral function of the statistical plan to reduce the probability that anomalous data obtained after the background has been established, is indicative of a landfill release.

The background data for each well and constituent is tested for existing trends using Sen's nonparametric estimate of trend. If contamination exists prior to completing the background, the control limits could be potentially high and this control chart method would not be able to detect an increasing trend unless the increase is severe.

Results of the Intrawell Statistics

The Appendix I trace metals data from wells MW-11A, MW-12A, MW-13A, MW-19A, MW-21A, MW-23A, MW-34A, MW-37A, MW-38A, MW-39A, and MW-40A were evaluated using the combined Shewhart-CUSUM control chart method. The background at MW-11A, MW-12A, MW-13A, MW-19A, MW-21A, MW-34A, MW-38A, MW-39A, and MW-40A includes the data obtained from April 2008 through June 2020. The background at MW-23A and MW-37A includes the data obtained from April 2008 through 2015. Nonparametric prediction limits are used for parameters detected at a frequency less than 25%. Nonparametric prediction limits are the largest value detected during background at that well for that parameter.

A summary of the intrawell statistics is included in Attachment D, Table 1 "Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts." The control charts or time series graphs follow the summary table. For the parameters evaluated, the control limit exceedances are summarized in the table below.

Summary of Control Limit Exceedances for the First Semi-Annual Monitoring Event in 2026

Well	Trace Metal	Result	CUSUM Value	Control Limit	Control Limit Type	Verified or Awaiting Verification
MW-12A	Barium, µg/L	316	449.3889	382.0304	Normal	Verified
MW-13A	Barium, µg/L	381	703.6574	594.7669	Normal	Verified
MW-19A	Nickel, µg/L	27.3	39.3708	34.8948	Normal	Verified
MW-21A	Barium, µg/L	301	462.6784	458.5407	Normal	Awaiting Verification
MW-23A	Arsenic, µg/L	42.0	--	10.0000	Nonparametric	Verified
	Barium, µg/L	1550	1716.3572	417.0333	Normal	Verified
	Nickel, µg/L	15.5	--	10.0000	Nonparametric	Awaiting Verification
MW-37A	Arsenic, µg/L	51.0	--	12.0000	Nonparametric	Verified
	Barium, µg/L	1280	1727.5559	848.7031	Normal	Verified
	Cobalt, µg/L	22.1	30.7431	20.1553	Normal	Verified
	Nickel, µg/L	313	394.4670	153.4834	Normal	Verified

Increasing trends were detected in the background for barium at MW-12A, barium at MW-13A, barium at MW-21A, barium at MW-23A, barium at MW-37A, and nickel at MW-37A.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. For intrawell analysis, the site-wide false positive rate is 15% and the test becomes sensitive to 3 standard deviation units over background.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. VOCs detected in the ground water at Dickinson County Landfill during the first semi-annual monitoring event in 2026 are summarized in the table below.

VOCs detected during the first semi-annual monitoring event in 2026

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting verification	Groundwater Standard, µg/L
MW-12A	1,1-Dichloroethane	14.4	1	Verified	140[b]
	1,2-Dichloropropane	1.17	1	Verified	5[a]
	Benzene	1.79	1	Verified	5[a]
	Chloroethane	11.5	2.5	Verified	2800[b]
	cis-1,2-Dichloroethene	12.1	1	Verified	70[a]
	trans-1,2-Dichloroethene	2.06	1	Verified	100[a]
	Vinyl chloride	11.9	1	Verified	2[a]
MW-23A	*cis*-1,2-Dichloroethene	1.0	1	Awaiting Verification	70[a]
	Trichloroethene	2.62	1	Verified	5[a]
MW-37A	Chloroethane	3.86	2.5	Verified	2800[b]
MW-39A	Toluene	1.34	1	Awaiting Verification	1000[a]
MW-41A	Toluene	1.49	1	Awaiting Verification	1000[a]

a - USEPA MCL
b – Iowa Statewide Standard

Many of the VOCs have been historically detected and may be attributed to landfill gas migration. Historical VOC detections are summarized in Attachment E.

The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009. The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for vinyl chloride at MW-12A (11.826 µg/L) exceeds the USEPA MCL of 2 µg/L. The remainder of the 95% LCLs are below the respective standards.

Attachment A

Ground Water Data obtained during the First Semi-Annual Monitoring Event in 2026

Table 1

Analytical Data Summary for 1/21/2026

Constituents	Units	MW-41A
1,1,1,2-Tetrachloroethane	ug/L	<1
1,1,1-Trichloroethane	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<.3
1,1,2-Trichloroethane	ug/L	<1
1,1-Dichloroethane	ug/L	<1
1,1-Dichloroethene	ug/L	<1
1,2,3-Trichloropropane	ug/L	<.0058
1,2-dibromo-3-chloropropane (dbcp)	ug/L	<.2
1,2-Dibromoethane (EDB)	ug/L	<.05
1,2-Dichlorobenzene	ug/L	<1
1,2-Dichloroethane	ug/L	<1
1,2-Dichloropropane	ug/L	<1
1,4-Dichlorobenzene	ug/L	<1
2-Hexanone	ug/L	<5
Acetone	ug/L	<25
Acrylonitrile	ug/L	<.32
Antimony, Total	ug/L	<6
Arsenic, Total	ug/L	<10
Barium, Total	ug/L	88.6
Benzene	ug/L	<1
Beryllium, Total	ug/L	<4
Bromochloromethane	ug/L	<1
Bromoform	ug/L	<1
Bromomethane	ug/L	<2.5
Cadmium, Total	ug/L	<5
Carbon Disulfide	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Chlorobenzene	ug/L	<1
Chloroethane	ug/L	<2.5
Chloroform	ug/L	<1
Chloromethane	ug/L	<1.25
Chromium, Total	ug/L	<10
cis-1,2-Dichloroethene	ug/L	<1
cis-1,3-Dichloropropene	ug/L	<1
Cobalt, Total	ug/L	<2
Copper, Total	ug/L	<10
Dibromochloromethane	ug/L	<1
Dibromomethane	ug/L	<1
Dichlorobromomethane	ug/L	<1
Dissolved Oxygen (on-site)	mg/L	2.1
eH/ORP (On Site)	mV	109.6
Ethylbenzene	ug/L	<1
Iodomethane	ug/L	<10
Lead, Total	ug/L	<10
Methyl Ethyl Ketone	ug/L	<10
Methyl Isobutyl Ketone	ug/L	<5
Methylene chloride	ug/L	<2.5
Nickel, Total	ug/L	<10
pH (Field)	s.u.	6.86
Selenium, Total	ug/L	<10
Silver, Total	ug/L	<10
Specific conductance, field	umhos/cm	1211
Styrene	ug/L	<1
Temperature (field test)	øC	10.5
Tetrachloroethene	ug/L	<1
Thallium, Total	ug/L	<2
Toluene	ug/L	<1
Total suspended solids (tss)	mg/L	37.6
Total Xylenes	ug/L	<3
trans-1,2-Dichloroethene	ug/L	<1
trans-1,3-Dichloropropene	ug/L	<1
trans-1,4-Dichloro-2-butene	ug/L	<1
Trichloroethene	ug/L	<1
Trichlorofluoromethane	ug/L	<2.5
Turbidity (field)	N.T.U.	11.5
Vanadium, Total	ug/L	<20
Vinyl acetate	ug/L	<5
Vinyl chloride	ug/L	<1
Zinc, Total	ug/L	<50

* - The displayed value is the arithmetic mean of multiple database matches.

Table 2

Analytical Data Summary for 3/3/2026

Constituents	Units	MW-41A
1,1,1,2-Tetrachloroethane	ug/L	<1
1,1,1-Trichloroethane	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<.3
1,1,2-Trichloroethane	ug/L	<1
1,1-Dichloroethane	ug/L	<1
1,1-Dichloroethene	ug/L	<1
1,2,3-Trichloropropane	ug/L	<.0058
1,2-dibromo-3-chloropropane (dbcp)	ug/L	<.2
1,2-Dibromoethane (EDB)	ug/L	<.05
1,2-Dichlorobenzene	ug/L	<1
1,2-Dichloroethane	ug/L	<1
1,2-Dichloropropane	ug/L	<1
1,4-Dichlorobenzene	ug/L	<1
2-Hexanone	ug/L	<5
Acetone	ug/L	<25
Acrylonitrile	ug/L	<.32
Antimony, Total	ug/L	<6
Arsenic, Total	ug/L	<10
Barium, Total	ug/L	82.3
Benzene	ug/L	<1
Beryllium, Total	ug/L	<4
Bromochloromethane	ug/L	<1
Bromoform	ug/L	<1
Bromomethane	ug/L	<2.5
Cadmium, Total	ug/L	<5
Carbon Disulfide	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Chlorobenzene	ug/L	<1
Chloroethane	ug/L	<2.5
Chloroform	ug/L	<1
Chloromethane	ug/L	<1.25
Chromium, Total	ug/L	<10
cis-1,2-Dichloroethene	ug/L	<1
cis-1,3-Dichloropropene	ug/L	<1
Cobalt, Total	ug/L	<2
Copper, Total	ug/L	<10
Dibromochloromethane	ug/L	<1
Dibromomethane	ug/L	<1
Dichlorobromomethane	ug/L	<1
Dissolved Oxygen (on-site)	mg/L	3.9
eH/ORP (On Site)	mV	85.2
Ethylbenzene	ug/L	<1
Iodomethane	ug/L	<10
Lead, Total	ug/L	<10
Methyl Ethyl Ketone	ug/L	<10
Methyl Isobutyl Ketone	ug/L	<5
Methylene chloride	ug/L	<2.5
Nickel, Total	ug/L	<10
pH (Field)	s.u.	6.91
Selenium, Total	ug/L	<10
Silver, Total	ug/L	<10
Specific conductance, field	umhos/cm	1181
Styrene	ug/L	<1
Temperature (field test)	øC	10.8
Tetrachloroethene	ug/L	<1
Thallium, Total	ug/L	<2
Toluene	ug/L	<1
Total suspended solids (tss)	mg/L	28.4
Total Xylenes	ug/L	<3
trans-1,2-Dichloroethene	ug/L	<1
trans-1,3-Dichloropropene	ug/L	<1
trans-1,4-Dichloro-2-butene	ug/L	<1
Trichloroethene	ug/L	<1
Trichlorofluoromethane	ug/L	<2.5
Turbidity (field)	N.T.U.	28
Vanadium, Total	ug/L	<20
Vinyl acetate	ug/L	<5
Vinyl chloride	ug/L	<1
Zinc, Total	ug/L	<50

* - The displayed value is the arithmetic mean of multiple database matches.

Table 3

Analytical Data Summary for 4/15/2026

Constituents	Units	MW-41A
1,1,1,2-Tetrachloroethane	ug/L	<1
1,1,1-Trichloroethane	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<.3
1,1,2-Trichloroethane	ug/L	<1
1,1-Dichloroethane	ug/L	<1
1,1-Dichloroethene	ug/L	<1
1,2,3-Trichloropropane	ug/L	<.0058
1,2-dibromo-3-chloropropane (dbcp)	ug/L	<.2
1,2-Dibromoethane (EDB)	ug/L	<.05
1,2-Dichlorobenzene	ug/L	<1
1,2-Dichloroethane	ug/L	<1
1,2-Dichloropropane	ug/L	<1
1,4-Dichlorobenzene	ug/L	<1
2-Hexanone	ug/L	<5
Acetone	ug/L	<25
Acrylonitrile	ug/L	<.32
Antimony, Total	ug/L	<6
Arsenic, Total	ug/L	<10
Barium, Total	ug/L	85.5
Benzene	ug/L	<1
Beryllium, Total	ug/L	<4
Bromochloromethane	ug/L	<1
Bromoform	ug/L	<1
Bromomethane	ug/L	<2.5
Cadmium, Total	ug/L	<5
Carbon Disulfide	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Chlorobenzene	ug/L	<1
Chloroethane	ug/L	<2.5
Chloroform	ug/L	<1
Chloromethane	ug/L	<1.25
Chromium, Total	ug/L	<10
cis-1,2-Dichloroethene	ug/L	<1
cis-1,3-Dichloropropene	ug/L	<1
Cobalt, Total	ug/L	2.46
Copper, Total	ug/L	<10
Dibromochloromethane	ug/L	<1
Dibromomethane	ug/L	<1
Dichlorobromomethane	ug/L	<1
Dissolved Oxygen (on-site)	mg/L	4.5
eH/ORP (On Site)	mV	163.7
Ethylbenzene	ug/L	<1
Iodomethane	ug/L	<10
Lead, Total	ug/L	<10
Methyl Ethyl Ketone	ug/L	<10
Methyl Isobutyl Ketone	ug/L	<5
Methylene chloride	ug/L	<2.5
Nickel, Total	ug/L	<10
pH (Field)	s.u.	7.05
Selenium, Total	ug/L	<10
Silver, Total	ug/L	<10
Specific conductance, field	umhos/cm	1401
Styrene	ug/L	<1
Temperature (field test)	øC	10.1
Tetrachloroethene	ug/L	<1
Thallium, Total	ug/L	<2
Toluene	ug/L	<1
Total suspended solids (tss)	mg/L	90.5
Total Xylenes	ug/L	<3
trans-1,2-Dichloroethene	ug/L	<1
trans-1,3-Dichloropropene	ug/L	<1
trans-1,4-Dichloro-2-butene	ug/L	<1
Trichloroethene	ug/L	<1
Trichlorofluoromethane	ug/L	<2.5
Turbidity (field)	N.T.U.	178.8
Vanadium, Total	ug/L	<20
Vinyl acetate	ug/L	<5
Vinyl chloride	ug/L	<1
Zinc, Total	ug/L	<50

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	Units	GW HOLDING POND	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A
1,1,1,2-Tetrachloroethane	ug/L		<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ug/L		<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L		<.3	<.3	<.3	<.3	<.3	<.3
1,1,2-Trichloroethane	ug/L		<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L		<1.0	14.4	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	ug/L		<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L			<1		<1		<1
1,2,3-Trichloropropane	ug/L		<.0058	<.0058	<.0058	<.0058	<.0058	<.0058
1,2,4,5-tetrachlorobenzene	ug/L			<10		<10		<10
1,2,4-trichlorobenzene	ug/L			<10		<10		<10
1,2-dibromo-3-chloropropane (dbcp)	ug/L		<.2	<.2	<.2	<.2	<.2	<.2
1,2-Dibromoethane (EDB)	ug/L		<.05	<.05	<.05	<.05	<.05	<.05
1,2-Dichlorobenzene	ug/L		<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L		<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	ug/L		<1.00	1.17	<1.00	<1.00	<1.00	<1.00
1,3,5-trinitrobenzene	ug/L			<10		<10		<10
1,3-dichlorobenzene	ug/L			<10		<10		<10
1,3-dichloropropane	ug/L			<1		<1		<1
1,3-dinitrobenzene	ug/L			<10		<10		<10
1,4-Dichlorobenzene	ug/L		<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L			<50		<50		<50
1-naphthylamine	ug/L			<10		<10		<10
2,2-dichloropropane	ug/L			<1		<1		<1
2,2'-oxybis(1-chloropropane)	ug/L			<10		<10		<10
2,3,4,6-tetrachlorophenol	ug/L			<10		<10		<10
2,4,5-t	ug/L			<2		<2		<2
2,4,5-tp (silvex)	ug/L			<2		<2		<2
2,4,5-trichlorophenol	ug/L			<10		<10		<10
2,4,6-trichlorophenol	ug/L			<10		<10		<10
2,4-d	ug/L			<2		<2		<2
2,4-dichlorophenol	ug/L			<10		<10		<10
2,4-dimethylphenol	ug/L			<10		<10		<10
2,4-dinitrophenol	ug/L			<10		<10		<10
2,4-dinitrotoluene	ug/L			<10		<10		<10
2,6-dichlorophenol	ug/L			<10		<10		<10
2,6-dinitrotoluene	ug/L			<10		<10		<10
2-acetylaminofluorene	ug/L			<10		<10		<10
2-chloronaphthalene	ug/L			<1		<1		<1
2-chlorophenol	ug/L			<10		<10		<10
2-Hexanone	ug/L		<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L			<1		<1		<1
2-methylphenol	ug/L			<10		<10		<10
2-naphthylamine	ug/L			<10		<10		<10
2-nitroaniline	ug/L			<10		<10		<10
2-nitrophenol	ug/L			<10		<10		<10
3,3'-dichlorobenzidine	ug/L			<10		<10		<10
3,3'-dimethylbenzidine	ug/L			<10		<10		<10
3-methylcholanthrene	ug/L			<10		<10		<10
3-methylphenol	ug/L			<10		<10		<10
3-nitroaniline	ug/L			<10		<10		<10
4,4'-ddd	ug/L			<.05		<.05		<.05
4,4'-dde	ug/L			<.05		<.05		<.05
4,4'-ddt	ug/L			<.05		<.05		<.05
4,6-dinitro-2-methylphenol	ug/L			<10		<10		<10
4-aminobiphenyl	ug/L			<10		<10		<10
4-bromophenyl phenyl ether	ug/L			<10		<10		<10
4-chloro-3-methylphenol	ug/L			<10		<10		<10
4-chloroaniline	ug/L			<10		<10		<10
4-chlorophenyl phenyl ether	ug/L			<10		<10		<10
4-nitroaniline	ug/L			<10		<10		<10
4-nitrophenol	ug/L			<10		<10		<10
5-nitro-o-toluidine	ug/L			<10		<10		<10
Acenaphthene	ug/L			<1		<1		<1
Acenaphthylene	ug/L			<1		<1		<1
Acetone	ug/L		<25	<25	<25	<25	<25	<25
Acetonitrile	ug/L			<50		<50		<50
Acetophenone	ug/L			<10		<10		<10
Acrolein	ug/L			<50		<50		<50
Acrylonitrile	ug/L		<.32	<.32	<.32	<.32	<.32	<.32
Aldrin	ug/L			<.05		<.05		<.05
Alkalinity, bicarbonate (as caco3)	mg/L	118	417	917	452	445	367	550
Alkalinity, carbonate (as caco3)	mg/L		<20	<20	<20	<20	<20	<20
Alkalinity, Total (As CaCO3)	mg/L	177						
Allyl chloride	ug/L			<1		<1		<1
Alpha-bhc	ug/L			<.05		<.05		<.05
Alpha-chlordane	ug/L			<.05		<.05		<.05
Ammonia (As N)	mg/L	<.1						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	MW-34A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
1,1,1,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<.3	<.3	<.3	<.3	<.3	<.3
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1	<1			
1,2,3-Trichloropropane	<.0058	<.0058	<.0058	<.0058	<.0058	<.0058
1,2,4,5-tetrachlorobenzene		<10	<10			
1,2,4-trichlorobenzene		<10	<10			
1,2-dibromo-3-chloropropane (dbcp)	<.2	<.2	<.2	<.2	<.2	<.2
1,2-Dibromoethane (EDB)	<.05	<.05	<.05	<.05	<.05	<.05
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-trinitrobenzene		<10	<10			
1,3-dichlorobenzene		<10	<10			
1,3-dichloropropane		<1	<1			
1,3-dinitrobenzene		<10	<10			
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone		<50	<50			
1-naphthylamine		<10	<10			
2,2-dichloropropane		<1	<1			
2,2'-oxybis(1-chloropropane)		<10	<10			
2,3,4,6-tetrachlorophenol		<10	<10			
2,4,5-t		<2	<2			
2,4,5-tp (silvex)		<2	<2			
2,4,5-trichlorophenol		<10	<10			
2,4,6-trichlorophenol		<10	<10			
2,4-d		<2	<2			
2,4-dichlorophenol		<10	<10			
2,4-dimethylphenol		<10	<10			
2,4-dinitrophenol		<10	<10			
2,4-dinitrotoluene		<10	<10			
2,6-dichlorophenol		<10	<10			
2,6-dinitrotoluene		<10	<10			
2-acetylaminofluorene		<10	<10			
2-chloronaphthalene		<1	<1			
2-chlorophenol		<10	<10			
2-Hexanone	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<1	<1			
2-methylphenol		<10	<10			
2-naphthylamine		<10	<10			
2-nitroaniline		<10	<10			
2-nitrophenol		<10	<10			
3,3'-dichlorobenzidine		<10	<10			
3,3'-dimethylbenzidine		<10	<10			
3-methylcholanthrene		<10	<10			
3-methylphenol		<10	<10			
3-nitroaniline		<10	<10			
4,4'-ddd		<.05	<.05			
4,4'-dde		<.05	<.05			
4,4'-ddt		<.05	<.05			
4,6-dinitro-2-methylphenol		<10	<10			
4-aminobiphenyl		<10	<10			
4-bromophenyl phenyl ether		<10	<10			
4-chloro-3-methylphenol		<10	<10			
4-chloroaniline		<10	<10			
4-chlorophenyl phenyl ether		<10	<10			
4-nitroaniline		<10	<10			
4-nitrophenol		<10	<10			
5-nitro-o-toluidine		<10	<10			
Acenaphthene		<1	<1			
Acenaphthylene		<1	<1			
Acetone	<25	<25	<25	<25	<25	<25
Acetonitrile		<50	<50			
Acetophenone		<10	<10			
Acrolein		<50	<50			
Acrylonitrile	<.32	<.32	<.32	<.32	<.32	<.32
Aldrin		<.05	<.05			
Alkalinity, bicarbonate (as caco3)	507	612	492	306	350	
Alkalinity, carbonate (as caco3)	<20	<20	<20	<20	<20	
Alkalinity, Total (As CaCO3)						
Allyl chloride		<1	<1			
Alpha-bhc		<.05	<.05			
Alpha-chlordane		<.05	<.05			
Ammonia (As N)						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	Units	GW HOLDING POND	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A
Anthracene	ug/L			<1		<1		<1
Antimony, Total	ug/L		<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	15.3	<10.0	<10.0	<10.0	<10.0	<10.0	42.0
Barium, Total	ug/L	20.6	245.0	316.0	381.0	161.0	301.0	1550.0
Benzene	ug/L		<1.00	1.79	<1.00	<1.00	<1.00	<1.00
Benzo(g,h,i)perylene	ug/L			<1		<1		<1
Benzo[a]anthracene	ug/L			<1		<1		<1
Benzo[a]pyrene	ug/L			<1		<1		<1
Benzo[b]fluoranthene	ug/L			<1		<1		<1
Benzo[k]fluoranthene	ug/L			<1		<1		<1
Benzyl alcohol	ug/L			<10		<10		<10
BENZYLBUTYL PHTHALATE	ug/L			<3		<3		<3
Beryllium, Total	ug/L		<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L			<.05		<.05		<.05
Bis(2-chloroethoxy)methane	ug/L			<10		<10		<10
Bis(2-chloroethyl)ether	ug/L			<10		<10		<10
Bis(2-ethylhexyl) phthalate	ug/L			<3		<3		<3
Bromochloromethane	ug/L		<1	<1	<1	<1	<1	<1
Bromoform	ug/L		<1	<1	<1	<1	<1	<1
Bromomethane	ug/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Cadmium, Total	ug/L	<2	<5	<5	<5	<5	<5	<5
Calcium, Total	mg/L	26.3	131.0	209.0	126.0	131.0	121.0	142.0
Carbon Disulfide	ug/L		<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ug/L		<1	<1	<1	<1	<1	<1
Chemical Oxygen Demand (COD)	mg/L	57.9						
Chlordane	ug/L			<.5		<.5		<.5
Chloride	mg/L	45.30	27.60	11.80	27.50	48.20	25.80	6.02
Chlorobenzene	ug/L		<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L			<50		<50		<50
Chloroethane	ug/L		<2.50	11.50	<2.50	<2.50	<2.50	<2.50
Chloroform	ug/L		<1	<1	<1	<1	<1	<1
Chloromethane	ug/L		<1.25	<1.25	<1.25	<1.25	<1.25	<1.25
Chloroprene	ug/L			<50		<50		<50
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10
Chrysene	ug/L			<1		<1		<1
cis-1,2-Dichloroethene	ug/L		<1.0	12.1	<1.0	<1.0	<1.0	1.0
cis-1,3-Dichloropropene	ug/L		<1	<1	<1	<1	<1	<1
Cobalt, Total	ug/L		<2.00	<2.00	<2.00	<2.00	<2.00	9.48
Copper, Total	ug/L		<10	<10	<10	<10	<10	<10
Cyanide	mg/L	<.005		<.010		<.010		<.010
Delta-bhc	ug/L			<.05		<.05		<.05
Diallate	ug/L			<10		<10		<10
Dibenz[a,h]anthracene	ug/L			<1		<1		<1
Dibenzofuran	ug/L			<10		<10		<10
Dibromochloromethane	ug/L		<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L		<1	<1	<1	<1	<1	<1
Dichlorobromomethane	ug/L		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L			<1		<1		<1
Dieldrin	ug/L			<.05		<.05		<.05
Diethyl phthalate	ug/L			<3		<3		<3
Dimethoate	ug/L			<50		<50		<50
Dimethyl phthalate	ug/L			<3		<3		<3
DIMETHYLBENZ (A) ANTHRACENE	ug/L			<10		<10		<10
Di-n-butyl phthalate	ug/L			<3		<3		<3
Di-n-octyl phthalate	ug/L			<3		<3		<3
Dinoseb	ug/L			<50		<50		<50
Diphenylamine	ug/L			<10		<10		<10
Dissolved Oxygen (on-site)	mg/L	22.5	3.2	.6	.7	5.6	3.3	.6
Disulfoton	ug/L			<10		<10		<10
eH/ORP (On Site)	mV	27.2	181.9	17.1	66.2	101.2	68.7	-61.0
Endosulfan i	ug/L			<.05		<.05		<.05
Endosulfan ii	ug/L			<.05		<.05		<.05
Endosulfan sulfate	ug/L			<.05		<.05		<.05
Endrin	ug/L			<.05		<.05		<.05
Endrin aldehyde	ug/L			<.05		<.05		<.05
Endrin ketone	ug/L			<.05		<.05		<.05
Ethyl methacrylate	ug/L			<5		<5		<5
Ethyl methanesulfonate	ug/L			<10		<10		<10
ETHYL PARATHION	ug/L			<10		<10		<10
Ethylbenzene	ug/L		<1	<1	<1	<1	<1	<1
Famphur	ug/L			<20		<20		<20
Fluoranthene	ug/L			<1		<1		<1
Fluorene	ug/L			<1		<1		<1
Gamma-bhc (lindane)	ug/L			<.05		<.05		<.05
Heptachlor	ug/L			<.05		<.05		<.05
Heptachlor epoxide	ug/L			<.05		<.05		<.05
HEXACHLORO-1,3-BUTADIENE	ug/L			<10		<10		<10

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	MW-34A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Anthracene		<1	<1			
Antimony, Total	<6	<6	<6	<6	<6	<6
Arsenic, Total	<10.0	51.0	<10.0	<10.0	<10.0	<10.0
Barium, Total	33.1	1280.0	229.0	232.0	224.0	105.0
Benzene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Benzo(g,h,i)perylene		<1	<1			
Benzo[a]anthracene		<1	<1			
Benzo[a]pyrene		<1	<1			
Benzo[b]fluoranthene		<1	<1			
Benzo[k]fluoranthene		<1	<1			
Benzyl alcohol		<10	<10			
BENZYLBUTYL PHTHALATE		<3	<3			
Beryllium, Total	<4	<4	<4	<4	<4	<4
Beta-bhc		<.05	<.05			
Bis(2-chloroethoxy)methane		<10	<10			
Bis(2-chloroethyl)ether		<10	<10			
Bis(2-ethylhexyl) phthalate		<3	<3			
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Cadmium, Total	<5	<5	<5	<5	<5	<5
Calcium, Total	221.0	315.0	155.0	105.0	98.3	
Carbon Disulfide	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1
Chemical Oxygen Demand (COD)						
Chlordane		<.5	<.5			
Chloride	7.15	716.00	57.40	32.00	7.95	
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<50	<50			
Chloroethane	<2.50	3.86	<2.50	<2.50	<2.50	<2.50
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25
Chloroprene		<50	<50			
Chromium, Total	<10	<10	<10	<10	<10	<10
Chrysene		<1	<1			
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, Total	<2.00	22.10	<2.00	<2.00	<2.00	3.47
Copper, Total	<10	<10	<10	<10	<10	<10
Cyanide		<.010	<.010			
Delta-bhc		<.05	<.05			
Diallate		<10	<10			
Dibenz[a,h]anthracene		<1	<1			
Dibenzofuran		<10	<10			
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorobromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1	<1			
Dieldrin		<.05	<.05			
Diethyl phthalate		<3	<3			
Dimethoate		<50	<50			
Dimethyl phthalate		<3	<3			
DIMETHYLBENZ (A) ANTHRACENE		<10	<10			
Di-n-butyl phthalate		<3	<3			
Di-n-octyl phthalate		<3	<3			
Dinoseb		<50	<50			
Diphenylamine		<10	<10			
Dissolved Oxygen (on-site)	5.6	.6	.4	12.1	8.7	5.0
Disulfoton		<10	<10			
eH/ORP (On Site)	81.7	-33.7	36.4	96.3	99.9	109.9
Endosulfan i		<.05	<.05			
Endosulfan ii		<.05	<.05			
Endosulfan sulfate		<.05	<.05			
Endrin		<.05	<.05			
Endrin aldehyde		<.05	<.05			
Endrin ketone		<.05	<.05			
Ethyl methacrylate		<5	<5			
Ethyl methanesulfonate		<10	<10			
ETHYL PARATHION		<10	<10			
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur		<20	<20			
Fluoranthene		<1	<1			
Fluorene		<1	<1			
Gamma-bhc (lindane)		<.05	<.05			
Heptachlor		<.05	<.05			
Heptachlor epoxide		<.05	<.05			
HEXACHLORO-1,3-BUTADIENE		<10	<10			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	Units	GW HOLDING POND	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A
Hexachlorobenzene	ug/L			<1		<1		<1
Hexachlorocyclopentadiene	ug/L			<10		<10		<10
Hexachloroethane	ug/L			<10		<10		<10
Hexachloropropene	ug/L			<50		<50		<50
Indeno[1,2,3-cd]pyrene	ug/L			<1		<1		<1
Iodomethane	ug/L		<10	<10	<10	<10	<10	<10
Iron, Total	ug/L	1370						
Isobutanol	ug/L			<100		<100		<100
Isodrin	ug/L			<10		<10		<10
Isophorone	ug/L			<10		<10		<10
Isosafrole	ug/L			<10		<10		<10
Kepone	ug/L			<20		<20		<20
Lead, Total	ug/L	<5	<10	<10	<10	<10	<10	<10
Magnesium, Dissolved	mg/L	37.1						
Magnesium, Total	mg/L	37.1	48.4	74.6	42.7	46.4	43.7	45.5
Mercury, total	ug/L	<.2		<.4		<.4		<.4
Methacrylonitrile	ug/L			<50		<50		<50
Methapyrilene	ug/L			<50		<50		<50
Methoxychlor	ug/L			<.05		<.05		<.05
Methyl Ethyl Ketone	ug/L		<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	ug/L		<5	<5	<5	<5	<5	<5
Methyl methacrylate	ug/L			<5		<5		<5
Methyl methanesulfonate	ug/L			<50		<50		<50
Methyl parathion	ug/L			<10		<10		<10
Methylene chloride	ug/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	ug/L			<1		<1		<1
Nickel, Total	ug/L		<10.0	<10.0	<10.0	27.3	<10.0	15.5
Nitrobenzene	ug/L			<10		<10		<10
Nitrogen, nitrate-nitrite	mg/L	<.1						
N-nitrosodiethylamine	ug/L			<10		<10		<10
N-nitrosodimethylamine	ug/L			<10		<10		<10
N-nitrosodi-n-butylamine	ug/L			<10		<10		<10
N-nitrosodi-n-propylamine	ug/L			<10		<10		<10
N-nitrosodiphenylamine	ug/L			<10		<10		<10
N-nitrosomethylethylamine	ug/L			<10		<10		<10
n-Nitrosomorpholine	ug/L			<10		<10		<10
N-nitrosopiperidine	ug/L			<10		<10		<10
N-nitrosopyrrolidine	ug/L			<10		<10		<10
O,o,o-triethyl phosphorothioate	ug/L			<10		<10		<10
Oil and grease	mg/L	<5						
O-toluidine	ug/L			<10		<10		<10
P-(dimethylamino)azobenzene	ug/L			<10		<10		<10
Pcb 1016	ug/L			<.5		<.5		<.5
Pcb 1221	ug/L			<.5		<.5		<.5
Pcb 1232	ug/L			<.5		<.5		<.5
Pcb 1242	ug/L			<.5		<.5		<.5
Pcb 1248	ug/L			<.5		<.5		<.5
Pcb 1254	ug/L			<.5		<.5		<.5
Pcb 1260	ug/L			<.5		<.5		<.5
p-Cresol	ug/L			<10		<10		<10
Pentachlorobenzene	ug/L			<10		<10		<10
Pentachloronitrobenzene	ug/L			<10		<10		<10
Pentachlorophenol	ug/L			<10		<10		<10
pH	SU	9.36						
pH (Field)	s.u.	9.20	7.16	6.70	6.47	6.26	6.97	6.57
Phenacetin	ug/L			<10		<10		<10
Phenanthrene	ug/L			<1		<1		<1
Phenol	ug/L			<10		<10		<10
Phorate	ug/L			<50		<50		<50
Potassium, Total	mg/L	9.18	2.84	4.45	2.49	<1.00	3.73	1.90
P-PHENYLENEDIAMINE	ug/L			<6900		<6900		<6900
Pronamide	ug/L			<10		<10		<10
Propionitrile	ug/L			<50		<50		<50
Pyrene	ug/L			<1		<1		<1
Safrole	ug/L			<10		<10		<10
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10
Silver, Total	ug/L	<10	<10	<10	<10	<10	<10	<10
Sodium, Total	mg/L	35.50	6.41	59.90	7.06	40.00	8.06	11.20
Specific conductance, field	umhos/cm	567	1043	1663	912	1053	875	993
Styrene	ug/L		<1	<1	<1	<1	<1	<1
Sulfate	mg/L	56.00	33.80	6.12	12.40	73.90	71.00	<5.00
Sulfide	mg/L			<1		<1		<1
Temperature (field test)	øC	26.7	10.4	9.8	10.2	8.4	12.5	9.9
Tetrachloroethene	ug/L		<1	<1	<1	<1	<1	<1
Thallium, Total	ug/L		<2	<2	<2	<2	<2	<2
Thionazin	ug/L			<10		<10		<10
TIN	mg/L			<.05		<.05		<.05

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	MW-34A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Hexachlorobenzene		<1	<1			
Hexachlorocyclopentadiene		<10	<10			
Hexachloroethane		<10	<10			
Hexachloropropene		<50	<50			
Indeno[1,2,3-cd]pyrene		<1	<1			
Iodomethane	<10	<10	<10	<10	<10	<10
Iron, Total						
Isobutanol		<100	<100			
Isodrin		<10	<10			
Isophorone		<10	<10			
Isosafrole		<10	<10			
Kepone		<20	<20			
Lead, Total	<10	<10	<10	<10	<10	<10
Magnesium, Dissolved						
Magnesium, Total	60.2	118.0	47.9	33.1	35.2	
Mercury, total		<.4	<.4			
Methacrylonitrile		<50	<50			
Methapyrilene		<50	<50			
Methoxychlor		<.05	<.05			
Methyl Ethyl Ketone	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	<5	<5	<5	<5	<5	<5
Methyl methacrylate		<5	<5			
Methyl methanesulfonate		<50	<50			
Methyl parathion		<10	<10			
Methylene chloride	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene		<1	<1			
Nickel, Total	<10.0	313.0	36.3	<10.0	<10.0	<10.0
Nitrobenzene		<10	<10			
Nitrogen, nitrate-nitrite						
N-nitrosodiethylamine		<10	<10			
N-nitrosodimethylamine		<10	<10			
N-nitrosodi-n-butylamine		<10	<10			
N-nitrosodi-n-propylamine		<10	<10			
N-nitrosodiphenylamine		<10	<10			
N-nitrosomethylethylamine		<10	<10			
n-Nitrosomorpholine		<10	<10			
N-nitrosopiperidine		<10	<10			
N-nitrosopyrrolidine		<10	<10			
O,o,o-triethyl phosphorothioate		<10	<10			
Oil and grease						
O-toluidine		<10	<10			
P-(dimethylamino)azobenzene		<10	<10			
Pcb 1016		<.5	<.5			
Pcb 1221		<.5	<.5			
Pcb 1232		<.5	<.5			
Pcb 1242		<.5	<.5			
Pcb 1248		<.5	<.5			
Pcb 1254		<.5	<.5			
Pcb 1260		<.5	<.5			
p-Cresol		<10	<10			
Pentachlorobenzene		<10	<10			
Pentachloronitrobenzene		<10	<10			
Pentachlorophenol		<10	<10			
pH						
pH (Field)	6.39	6.70	7.11	7.06	7.16	7.31
Phenacetin		<10	<10			
Phenanthrene		<1	<1			
Phenol		<10	<10			
Phorate		<50	<50			
Potassium, Total	6.76	2.59	1.07	<1.00	1.99	
P-PHENYLENEDIAMINE		<6900	<6900			
Pronamide		<10	<10			
Propionitrile		<50	<50			
Pyrene		<1	<1			
Safrole		<10	<10			
Selenium, Total	<10	<10	<10	<10	<10	<10
Silver, Total	<10	<10	<10	<10	<10	<10
Sodium, Total	13.70	195.00	31.70	5.00	4.94	
Specific conductance, field	1378	3479	1205	735	658	1379
Styrene	<1	<1	<1	<1	<1	<1
Sulfate	329.00	21.60	60.00	<5.00	18.00	
Sulfide		<1	<1			
Temperature (field test)	10.9	10.0	9.5	8.6	9.4	10.7
Tetrachloroethene	<1	<1	<1	<1	<1	<1
Thallium, Total	<2	<2	<2	<2	<2	<2
Thionazin		<10	<10			
TIN		<.05	<.05			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	Units	GW HOLDING POND	MW-11A	MW-12A	MW-13A	MW-19A	MW-21A	MW-23A
Toluene	ug/L		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total dissolved solids (tds)	mg/L	359						
Total Organic Carbon (TOC)	mg/L	13.2						
Total suspended solids (tss)	mg/L		16.20	20.30	3.50	10.70	<2.50	15.30
Total Xylenes	ug/L		<3	<3	<3	<3	<3	<3
Toxaphene	ug/L			<.5		<.5		<.5
trans-1,2-Dichloroethene	ug/L		<1.00	2.06	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	ug/L		<1	<1	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/L		<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L		<1.00	<1.00	<1.00	<1.00	<1.00	2.62
Trichlorofluoromethane	ug/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Turbidity (field)	N.T.U.	11.6	.0	.0	10.5	3.5	7.0	2.5
Vanadium, Total	ug/L		<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L		<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L		<1.0	11.9	<1.0	<1.0	<1.0	<1.0
Zinc, Total	ug/L		<50	<50	<50	<50	<50	<50

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for 5/27/2026

Constituents	MW-34A	MW-37A	MW-38A	MW-39A	MW-40A	MW-41A
Toluene	<1.00	<1.00	<1.00	1.34	<1.00	1.49
Total dissolved solids (tds)						
Total Organic Carbon (TOC)						
Total suspended solids (tss)	6.25	63.20	<2.50	29.70	67.20	113.00
Total Xylenes	<3	<3	<3	<3	<3	<3
Toxaphene		<.5	<.5			
trans-1,2-Dichloroethene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	<1	<1	<1	<1	<1	<1
Trichloroethene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Turbidity (field)	13.2	.0	.0	44.7	10.8	81.9
Vanadium, Total	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Zinc, Total	<50	<50	<50	<50	<50	<50

* - The displayed value is the arithmetic mean of multiple database matches.

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-11A	04/13/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-11A	10/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-11A	05/10/2011	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/19/2011	ND	6.0000		
Antimony, Total	ug/L	MW-11A	04/24/2012	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/25/2012	ND	6.0000		
Antimony, Total	ug/L	MW-11A	11/11/2013	ND	6.0000		
Antimony, Total	ug/L	MW-11A	11/12/2014	ND	6.0000		
Antimony, Total	ug/L	MW-11A	11/18/2015	ND	6.0000		
Antimony, Total	ug/L	MW-11A	06/16/2016	ND	6.0000		
Antimony, Total	ug/L	MW-11A	11/16/2016	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/30/2017	ND	6.0000		
Antimony, Total	ug/L	MW-11A	11/21/2017	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/28/2019	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/15/2019	ND	6.0000		
Antimony, Total	ug/L	MW-11A	06/03/2020	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/07/2020	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/03/2021	ND	6.0000		
Antimony, Total	ug/L	MW-11A	11/09/2021	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/22/2023	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/05/2023	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/20/2024	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/02/2024	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/12/2025	ND	6.0000		
Antimony, Total	ug/L	MW-11A	10/14/2025	ND	6.0000		
Antimony, Total	ug/L	MW-11A	05/27/2026	ND	6.0000		
Arsenic, Total	ug/L	MW-11A	04/13/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/10/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/19/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	04/24/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/25/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	11/11/2013	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	11/12/2014	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	11/18/2015	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	06/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	11/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/30/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	11/21/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/28/2019	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/15/2019	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	06/03/2020	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/07/2020	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/03/2021	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	11/09/2021	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/22/2023	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/05/2023	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/20/2024	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/02/2024	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/12/2025	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	10/14/2025	ND	10.0000		
Arsenic, Total	ug/L	MW-11A	05/27/2026	ND	10.0000		
Barium, Total	ug/L	MW-11A	04/13/2010		178.0000		
Barium, Total	ug/L	MW-11A	10/18/2010		209.0000		
Barium, Total	ug/L	MW-11A	05/10/2011		200.0000		
Barium, Total	ug/L	MW-11A	10/19/2011		220.0000		
Barium, Total	ug/L	MW-11A	04/24/2012		200.0000		
Barium, Total	ug/L	MW-11A	10/25/2012		370.0000		
Barium, Total	ug/L	MW-11A	11/11/2013		200.0000		
Barium, Total	ug/L	MW-11A	11/12/2014		220.0000		
Barium, Total	ug/L	MW-11A	11/18/2015		280.0000		
Barium, Total	ug/L	MW-11A	06/16/2016		170.0000		
Barium, Total	ug/L	MW-11A	11/16/2016		150.0000		
Barium, Total	ug/L	MW-11A	05/30/2017		180.0000		
Barium, Total	ug/L	MW-11A	11/21/2017		220.0000		
Barium, Total	ug/L	MW-11A	05/31/2018		200.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-11A	10/31/2018		210.0000		
Barium, Total	ug/L	MW-11A	05/28/2019		240.0000		
Barium, Total	ug/L	MW-11A	10/15/2019		270.0000		
Barium, Total	ug/L	MW-11A	06/03/2020		261.0000		
Barium, Total	ug/L	MW-11A	10/07/2020		234.0000		
Barium, Total	ug/L	MW-11A	05/03/2021		212.0000		
Barium, Total	ug/L	MW-11A	11/09/2021		259.0000		
Barium, Total	ug/L	MW-11A	05/17/2022		207.0000		
Barium, Total	ug/L	MW-11A	10/17/2022		236.0000		
Barium, Total	ug/L	MW-11A	05/22/2023		239.0000		
Barium, Total	ug/L	MW-11A	10/05/2023		245.0000		
Barium, Total	ug/L	MW-11A	05/20/2024		220.0000		
Barium, Total	ug/L	MW-11A	10/02/2024		237.0000		
Barium, Total	ug/L	MW-11A	05/12/2025		235.0000		
Barium, Total	ug/L	MW-11A	10/14/2025		227.0000		
Barium, Total	ug/L	MW-11A	05/27/2026		245.0000		
Beryllium, Total	ug/L	MW-11A	04/13/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/10/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/19/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	04/24/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/25/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	11/11/2013	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	11/12/2014	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	11/18/2015	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	06/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	11/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/30/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	11/21/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/28/2019	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/15/2019	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	06/03/2020	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/07/2020	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/03/2021	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	11/09/2021	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/22/2023	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/05/2023	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/20/2024	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/02/2024	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/12/2025	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	10/14/2025	ND	4.0000		
Beryllium, Total	ug/L	MW-11A	05/27/2026	ND	4.0000		
Cadmium, Total	ug/L	MW-11A	04/13/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/10/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/19/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	04/24/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/25/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	11/11/2013	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	11/12/2014	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	11/18/2015	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	06/16/2016	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	11/16/2016	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/30/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	11/21/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/28/2019	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/15/2019	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	06/03/2020	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/07/2020	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/03/2021	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	11/09/2021	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/22/2023	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/05/2023	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/20/2024	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	10/02/2024	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/12/2025	ND	5.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-11A	10/14/2025	ND	5.0000		
Cadmium, Total	ug/L	MW-11A	05/27/2026	ND	5.0000		
Chromium, Total	ug/L	MW-11A	04/13/2010	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/18/2010	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/10/2011	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/19/2011	ND	10.0000		
Chromium, Total	ug/L	MW-11A	04/24/2012	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/25/2012		23.0000		*
Chromium, Total	ug/L	MW-11A	11/11/2013	ND	10.0000		
Chromium, Total	ug/L	MW-11A	11/12/2014	ND	10.0000		
Chromium, Total	ug/L	MW-11A	11/18/2015		13.0000		
Chromium, Total	ug/L	MW-11A	06/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-11A	11/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/30/2017	ND	10.0000		
Chromium, Total	ug/L	MW-11A	11/21/2017	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/28/2019	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/15/2019	ND	10.0000		
Chromium, Total	ug/L	MW-11A	06/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-11A	11/09/2021	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/22/2023	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/05/2023	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/20/2024	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/02/2024	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/12/2025	ND	10.0000		
Chromium, Total	ug/L	MW-11A	10/14/2025	ND	10.0000		
Chromium, Total	ug/L	MW-11A	05/27/2026	ND	10.0000		
Cobalt, Total	ug/L	MW-11A	04/13/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	05/10/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/19/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	04/24/2012	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/25/2012		11.0000		
Cobalt, Total	ug/L	MW-11A	11/11/2013	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	11/12/2014	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	11/18/2015		6.3000		
Cobalt, Total	ug/L	MW-11A	06/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-11A	11/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-11A	05/30/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-11A	11/21/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-11A	05/31/2018	ND	2.8000		
Cobalt, Total	ug/L	MW-11A	10/31/2018	ND	2.8000		
Cobalt, Total	ug/L	MW-11A	05/28/2019	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/15/2019	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-11A	06/03/2020	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/07/2020	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-11A	05/03/2021	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	11/09/2021	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	05/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	05/22/2023	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/05/2023	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	05/20/2024	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/02/2024	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	05/12/2025	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	10/14/2025	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-11A	05/27/2026	ND	2.0000	2.8000	**
Copper, Total	ug/L	MW-11A	04/13/2010	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/10/2011	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/19/2011	ND	10.0000		
Copper, Total	ug/L	MW-11A	04/24/2012	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/25/2012		21.0000		*
Copper, Total	ug/L	MW-11A	11/11/2013	ND	10.0000		
Copper, Total	ug/L	MW-11A	11/12/2014	ND	10.0000		
Copper, Total	ug/L	MW-11A	11/18/2015		15.0000		
Copper, Total	ug/L	MW-11A	06/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-11A	11/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/30/2017	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, Total	ug/L	MW-11A	11/21/2017	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/28/2019	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/15/2019	ND	10.0000		
Copper, Total	ug/L	MW-11A	06/03/2020	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/07/2020	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/03/2021	ND	10.0000		
Copper, Total	ug/L	MW-11A	11/09/2021	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/22/2023	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/05/2023	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/20/2024	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/02/2024	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/12/2025	ND	10.0000		
Copper, Total	ug/L	MW-11A	10/14/2025	ND	10.0000		
Copper, Total	ug/L	MW-11A	05/27/2026	ND	10.0000		
Lead, Total	ug/L	MW-11A	04/13/2010	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/10/2011	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/19/2011	ND	10.0000		
Lead, Total	ug/L	MW-11A	04/24/2012	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/25/2012	ND	10.0000		
Lead, Total	ug/L	MW-11A	11/11/2013	ND	10.0000		
Lead, Total	ug/L	MW-11A	11/12/2014	ND	10.0000		
Lead, Total	ug/L	MW-11A	11/18/2015	ND	10.0000		
Lead, Total	ug/L	MW-11A	06/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-11A	11/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/30/2017	ND	10.0000		
Lead, Total	ug/L	MW-11A	11/21/2017	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/28/2019	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/15/2019	ND	10.0000		
Lead, Total	ug/L	MW-11A	06/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-11A	11/09/2021	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/17/2022	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/17/2022	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/22/2023	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/05/2023	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/20/2024	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/02/2024	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/12/2025	ND	10.0000		
Lead, Total	ug/L	MW-11A	10/14/2025	ND	10.0000		
Lead, Total	ug/L	MW-11A	05/27/2026	ND	10.0000		
Nickel, Total	ug/L	MW-11A	04/13/2010	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/10/2011	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/19/2011	ND	10.0000		
Nickel, Total	ug/L	MW-11A	04/24/2012	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/25/2012		23.0000		*
Nickel, Total	ug/L	MW-11A	11/11/2013	ND	10.0000		
Nickel, Total	ug/L	MW-11A	11/12/2014	ND	10.0000		
Nickel, Total	ug/L	MW-11A	11/18/2015		13.0000		
Nickel, Total	ug/L	MW-11A	06/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-11A	11/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/30/2017	ND	10.0000		
Nickel, Total	ug/L	MW-11A	11/21/2017	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/31/2018	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/31/2018	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/28/2019	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/15/2019	ND	10.0000		
Nickel, Total	ug/L	MW-11A	06/03/2020	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/07/2020	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/03/2021	ND	10.0000		
Nickel, Total	ug/L	MW-11A	11/09/2021	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/17/2022	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/17/2022	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/22/2023	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/05/2023	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/20/2024	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, Total	ug/L	MW-11A	10/02/2024	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/12/2025	ND	10.0000		
Nickel, Total	ug/L	MW-11A	10/14/2025	ND	10.0000		
Nickel, Total	ug/L	MW-11A	05/27/2026	ND	10.0000		
Selenium, Total	ug/L	MW-11A	04/13/2010	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/10/2011	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/19/2011	ND	10.0000		
Selenium, Total	ug/L	MW-11A	04/24/2012	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/25/2012	ND	10.0000		
Selenium, Total	ug/L	MW-11A	11/11/2013		25.0000		
Selenium, Total	ug/L	MW-11A	11/12/2014		67.0000		*
Selenium, Total	ug/L	MW-11A	11/18/2015		44.0000		*
Selenium, Total	ug/L	MW-11A	06/16/2016	ND	10.0000		
Selenium, Total	ug/L	MW-11A	11/16/2016	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/30/2017	ND	10.0000		
Selenium, Total	ug/L	MW-11A	11/21/2017	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/28/2019	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/15/2019	ND	10.0000		
Selenium, Total	ug/L	MW-11A	06/03/2020	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/07/2020	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/03/2021	ND	10.0000		
Selenium, Total	ug/L	MW-11A	11/09/2021	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/22/2023	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/05/2023	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/20/2024	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/02/2024	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/12/2025	ND	10.0000		
Selenium, Total	ug/L	MW-11A	10/14/2025	ND	10.0000		
Selenium, Total	ug/L	MW-11A	05/27/2026	ND	10.0000		
Silver, Total	ug/L	MW-11A	04/13/2010	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/10/2011	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/19/2011	ND	10.0000		
Silver, Total	ug/L	MW-11A	04/24/2012	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/25/2012	ND	10.0000		
Silver, Total	ug/L	MW-11A	11/11/2013	ND	10.0000		
Silver, Total	ug/L	MW-11A	11/12/2014	ND	10.0000		
Silver, Total	ug/L	MW-11A	11/18/2015	ND	10.0000		
Silver, Total	ug/L	MW-11A	06/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-11A	11/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/30/2017	ND	10.0000		
Silver, Total	ug/L	MW-11A	11/21/2017	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/28/2019	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/15/2019	ND	10.0000		
Silver, Total	ug/L	MW-11A	06/03/2020	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/07/2020	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/03/2021	ND	10.0000		
Silver, Total	ug/L	MW-11A	11/09/2021	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/22/2023	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/05/2023	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/20/2024	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/02/2024	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/12/2025	ND	10.0000		
Silver, Total	ug/L	MW-11A	10/14/2025	ND	10.0000		
Silver, Total	ug/L	MW-11A	05/27/2026	ND	10.0000		
Thallium, Total	ug/L	MW-11A	04/13/2010	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/10/2011	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/19/2011	ND	2.0000		
Thallium, Total	ug/L	MW-11A	04/24/2012	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/25/2012	ND	2.0000		
Thallium, Total	ug/L	MW-11A	11/11/2013	ND	2.0000		
Thallium, Total	ug/L	MW-11A	11/12/2014	ND	2.0000		
Thallium, Total	ug/L	MW-11A	11/18/2015	ND	2.0000		
Thallium, Total	ug/L	MW-11A	06/16/2016	ND	2.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, Total	ug/L	MW-11A	11/16/2016	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/30/2017	ND	2.0000		
Thallium, Total	ug/L	MW-11A	11/21/2017	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/28/2019	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/15/2019	ND	2.0000		
Thallium, Total	ug/L	MW-11A	06/03/2020	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/07/2020	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/03/2021	ND	2.0000		
Thallium, Total	ug/L	MW-11A	11/09/2021	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/22/2023	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/05/2023	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/20/2024	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/02/2024	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/12/2025	ND	2.0000		
Thallium, Total	ug/L	MW-11A	10/14/2025	ND	2.0000		
Thallium, Total	ug/L	MW-11A	05/27/2026	ND	2.0000		
Vanadium, Total	ug/L	MW-11A	04/13/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/10/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/19/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	04/24/2012	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/25/2012		55.0000		*
Vanadium, Total	ug/L	MW-11A	11/11/2013	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	11/12/2014	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	11/18/2015		33.0000		
Vanadium, Total	ug/L	MW-11A	06/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	11/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/30/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	11/21/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/28/2019	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/15/2019	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	06/03/2020	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/07/2020	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/03/2021	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	11/09/2021	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/22/2023	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/05/2023	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/20/2024	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/02/2024	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/12/2025	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	10/14/2025	ND	20.0000		
Vanadium, Total	ug/L	MW-11A	05/27/2026	ND	20.0000		
Zinc, Total	ug/L	MW-11A	04/13/2010	ND	20.0000		
Zinc, Total	ug/L	MW-11A	10/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-11A	05/10/2011	ND	20.0000		
Zinc, Total	ug/L	MW-11A	10/19/2011	ND	20.0000		
Zinc, Total	ug/L	MW-11A	04/24/2012	ND	20.0000		
Zinc, Total	ug/L	MW-11A	10/25/2012		52.0000		*
Zinc, Total	ug/L	MW-11A	11/11/2013	ND	20.0000		
Zinc, Total	ug/L	MW-11A	11/12/2014		26.0000		
Zinc, Total	ug/L	MW-11A	11/18/2015		32.0000		
Zinc, Total	ug/L	MW-11A	06/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-11A	11/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-11A	05/30/2017	ND	20.0000		
Zinc, Total	ug/L	MW-11A	11/21/2017	ND	20.0000		
Zinc, Total	ug/L	MW-11A	05/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-11A	10/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-11A	05/28/2019	ND	20.0000		
Zinc, Total	ug/L	MW-11A	10/15/2019	ND	20.0000		
Zinc, Total	ug/L	MW-11A	06/03/2020	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	10/07/2020	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	05/03/2021	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	11/09/2021	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	05/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	10/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	05/22/2023	ND	50.0000	20.0000	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, Total	ug/L	MW-11A	10/05/2023	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	05/20/2024	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	10/02/2024	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	05/12/2025	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	10/14/2025	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-11A	05/27/2026	ND	50.0000	20.0000	**
Antimony, Total	ug/L	MW-13A	04/13/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-13A	10/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-13A	05/10/2011	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/19/2011	ND	6.0000		
Antimony, Total	ug/L	MW-13A	04/24/2012	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/25/2012	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/07/2013	ND	6.0000		
Antimony, Total	ug/L	MW-13A	11/11/2013	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/13/2014	ND	6.0000		
Antimony, Total	ug/L	MW-13A	11/12/2014	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/27/2015	ND	6.0000		
Antimony, Total	ug/L	MW-13A	11/18/2015	ND	6.0000		
Antimony, Total	ug/L	MW-13A	06/16/2016	ND	6.0000		
Antimony, Total	ug/L	MW-13A	11/16/2016	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/30/2017	ND	6.0000		
Antimony, Total	ug/L	MW-13A	11/21/2017	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/28/2019	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/15/2019	ND	6.0000		
Antimony, Total	ug/L	MW-13A	06/03/2020	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/07/2020	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/03/2021	ND	6.0000		
Antimony, Total	ug/L	MW-13A	11/09/2021	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-13A	06/08/2023	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/05/2023	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/20/2024	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/02/2024	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/12/2025	ND	6.0000		
Antimony, Total	ug/L	MW-13A	10/14/2025	ND	6.0000		
Antimony, Total	ug/L	MW-13A	05/27/2026	ND	6.0000		
Arsenic, Total	ug/L	MW-13A	04/13/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/10/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/19/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	04/24/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/25/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/07/2013	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	11/11/2013	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/13/2014	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	11/12/2014	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/27/2015	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	11/18/2015	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	06/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	11/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/30/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	11/21/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/28/2019	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/15/2019	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	06/03/2020	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/07/2020	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/03/2021	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	11/09/2021	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	06/08/2023	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/05/2023	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/20/2024	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/02/2024	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/12/2025	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	10/14/2025	ND	10.0000		
Arsenic, Total	ug/L	MW-13A	05/27/2026	ND	10.0000		
Barium, Total	ug/L	MW-13A	04/13/2010		163.0000		
Barium, Total	ug/L	MW-13A	10/18/2010		201.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-13A	05/10/2011		230.0000		
Barium, Total	ug/L	MW-13A	10/19/2011		220.0000		
Barium, Total	ug/L	MW-13A	04/24/2012		220.0000		
Barium, Total	ug/L	MW-13A	10/25/2012		190.0000		
Barium, Total	ug/L	MW-13A	05/07/2013		270.0000		
Barium, Total	ug/L	MW-13A	11/11/2013		180.0000		
Barium, Total	ug/L	MW-13A	05/13/2014		210.0000		
Barium, Total	ug/L	MW-13A	11/12/2014		270.0000		
Barium, Total	ug/L	MW-13A	05/27/2015		210.0000		
Barium, Total	ug/L	MW-13A	11/18/2015		250.0000		
Barium, Total	ug/L	MW-13A	06/16/2016		230.0000		
Barium, Total	ug/L	MW-13A	11/16/2016		290.0000		
Barium, Total	ug/L	MW-13A	05/30/2017		300.0000		
Barium, Total	ug/L	MW-13A	11/21/2017		270.0000		
Barium, Total	ug/L	MW-13A	05/31/2018		250.0000		
Barium, Total	ug/L	MW-13A	10/31/2018		340.0000		
Barium, Total	ug/L	MW-13A	05/28/2019		320.0000		
Barium, Total	ug/L	MW-13A	10/15/2019		310.0000		
Barium, Total	ug/L	MW-13A	06/03/2020		335.0000		
Barium, Total	ug/L	MW-13A	10/07/2020		304.0000		
Barium, Total	ug/L	MW-13A	05/03/2021		344.0000		
Barium, Total	ug/L	MW-13A	11/09/2021		365.0000		
Barium, Total	ug/L	MW-13A	05/17/2022		322.0000		
Barium, Total	ug/L	MW-13A	10/17/2022		389.0000		
Barium, Total	ug/L	MW-13A	06/08/2023		444.0000		
Barium, Total	ug/L	MW-13A	10/05/2023		401.0000		
Barium, Total	ug/L	MW-13A	05/20/2024		451.0000		
Barium, Total	ug/L	MW-13A	10/02/2024		420.0000		
Barium, Total	ug/L	MW-13A	05/12/2025		396.0000		
Barium, Total	ug/L	MW-13A	10/14/2025		413.0000		
Barium, Total	ug/L	MW-13A	05/27/2026		381.0000		
Beryllium, Total	ug/L	MW-13A	04/13/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/10/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/19/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	04/24/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/25/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/07/2013	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	11/11/2013	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/13/2014	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	11/12/2014	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/27/2015	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	11/18/2015	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	06/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	11/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/30/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	11/21/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/28/2019	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/15/2019	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	06/03/2020	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/07/2020	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/03/2021	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	11/09/2021	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	06/08/2023	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/05/2023	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/20/2024	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/02/2024	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/12/2025	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	10/14/2025	ND	4.0000		
Beryllium, Total	ug/L	MW-13A	05/27/2026	ND	4.0000		
Cadmium, Total	ug/L	MW-13A	04/13/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/10/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/19/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	04/24/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/25/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/07/2013	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	11/11/2013	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/13/2014	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	11/12/2014	ND	5.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-13A	05/27/2015	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	11/18/2015	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	06/16/2016	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	11/16/2016	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/30/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	11/21/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/28/2019	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/15/2019	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	06/03/2020	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/07/2020	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/03/2021	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	11/09/2021	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	06/08/2023	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/05/2023	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/20/2024	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/02/2024	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/12/2025	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	10/14/2025	ND	5.0000		
Cadmium, Total	ug/L	MW-13A	05/27/2026	ND	5.0000		
Chromium, Total	ug/L	MW-13A	04/13/2010	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/18/2010	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/10/2011	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/19/2011	ND	10.0000		
Chromium, Total	ug/L	MW-13A	04/24/2012	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/25/2012	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/07/2013	ND	10.0000		
Chromium, Total	ug/L	MW-13A	11/11/2013	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/13/2014	ND	10.0000		
Chromium, Total	ug/L	MW-13A	11/12/2014	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/27/2015	ND	10.0000		
Chromium, Total	ug/L	MW-13A	11/18/2015	ND	10.0000		
Chromium, Total	ug/L	MW-13A	06/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-13A	11/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/30/2017	ND	10.0000		
Chromium, Total	ug/L	MW-13A	11/21/2017	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/28/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/15/2019	ND	10.0000		
Chromium, Total	ug/L	MW-13A	06/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/07/2020	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13A	11/09/2021	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-13A	06/08/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/05/2023	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/20/2024	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/02/2024	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/12/2025	ND	10.0000		
Chromium, Total	ug/L	MW-13A	10/14/2025	ND	10.0000		
Chromium, Total	ug/L	MW-13A	05/27/2026	ND	10.0000		
Cobalt, Total	ug/L	MW-13A	04/13/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	10/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/10/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	10/19/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	04/24/2012	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	10/25/2012	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/07/2013	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	11/11/2013	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/13/2014	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	11/12/2014	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/27/2015	ND	2.8000		
Cobalt, Total	ug/L	MW-13A	11/18/2015	ND	2.8000		
Cobalt, Total	ug/L	MW-13A	06/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-13A	11/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-13A	05/30/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-13A	11/21/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-13A	05/31/2018	ND	2.8000		
Cobalt, Total	ug/L	MW-13A	10/31/2018	ND	2.8000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, Total	ug/L	MW-13A	05/28/2019	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-13A	10/15/2019	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-13A	06/03/2020	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	10/07/2020	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/03/2021		2.8300		
Cobalt, Total	ug/L	MW-13A	11/09/2021	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	10/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	06/08/2023		4.6500		
Cobalt, Total	ug/L	MW-13A	10/05/2023		2.3700		
Cobalt, Total	ug/L	MW-13A	05/20/2024		2.1700		
Cobalt, Total	ug/L	MW-13A	10/02/2024	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/12/2025		2.3700		
Cobalt, Total	ug/L	MW-13A	10/14/2025	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-13A	05/27/2026	ND	2.0000	2.8000	**
Copper, Total	ug/L	MW-13A	04/13/2010	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/10/2011	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/19/2011	ND	10.0000		
Copper, Total	ug/L	MW-13A	04/24/2012	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/25/2012	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/07/2013	ND	10.0000		
Copper, Total	ug/L	MW-13A	11/11/2013	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/13/2014	ND	10.0000		
Copper, Total	ug/L	MW-13A	11/12/2014	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/27/2015	ND	10.0000		
Copper, Total	ug/L	MW-13A	11/18/2015	ND	10.0000		
Copper, Total	ug/L	MW-13A	06/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-13A	11/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/30/2017	ND	10.0000		
Copper, Total	ug/L	MW-13A	11/21/2017	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/28/2019	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/15/2019	ND	10.0000		
Copper, Total	ug/L	MW-13A	06/03/2020	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/07/2020	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/03/2021		11.3000		
Copper, Total	ug/L	MW-13A	11/09/2021	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-13A	06/08/2023	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/05/2023	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/20/2024	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/02/2024	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/12/2025	ND	10.0000		
Copper, Total	ug/L	MW-13A	10/14/2025	ND	10.0000		
Copper, Total	ug/L	MW-13A	05/27/2026	ND	10.0000		
Lead, Total	ug/L	MW-13A	04/13/2010	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/10/2011	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/19/2011	ND	10.0000		
Lead, Total	ug/L	MW-13A	04/24/2012	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/25/2012	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/07/2013	ND	10.0000		
Lead, Total	ug/L	MW-13A	11/11/2013	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/13/2014	ND	10.0000		
Lead, Total	ug/L	MW-13A	11/12/2014	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/27/2015	ND	10.0000		
Lead, Total	ug/L	MW-13A	11/18/2015	ND	10.0000		
Lead, Total	ug/L	MW-13A	06/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-13A	11/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/30/2017	ND	10.0000		
Lead, Total	ug/L	MW-13A	11/21/2017	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/28/2019	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/15/2019	ND	10.0000		
Lead, Total	ug/L	MW-13A	06/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/07/2020	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-13A	11/09/2021	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/17/2022	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/17/2022	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-13A	06/08/2023	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/05/2023	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/20/2024	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/02/2024	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/12/2025	ND	10.0000		
Lead, Total	ug/L	MW-13A	10/14/2025	ND	10.0000		
Lead, Total	ug/L	MW-13A	05/27/2026	ND	10.0000		
Nickel, Total	ug/L	MW-13A	04/13/2010	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/10/2011	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/19/2011	ND	10.0000		
Nickel, Total	ug/L	MW-13A	04/24/2012	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/25/2012	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/07/2013	ND	10.0000		
Nickel, Total	ug/L	MW-13A	11/11/2013	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/13/2014	ND	10.0000		
Nickel, Total	ug/L	MW-13A	11/12/2014	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/27/2015	ND	10.0000		
Nickel, Total	ug/L	MW-13A	11/18/2015	ND	10.0000		
Nickel, Total	ug/L	MW-13A	06/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-13A	11/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/30/2017	ND	10.0000		
Nickel, Total	ug/L	MW-13A	11/21/2017	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/31/2018	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/31/2018	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/28/2019	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/15/2019	ND	10.0000		
Nickel, Total	ug/L	MW-13A	06/03/2020	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/07/2020	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/03/2021	ND	10.0000		
Nickel, Total	ug/L	MW-13A	11/09/2021	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/17/2022	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/17/2022	ND	10.0000		
Nickel, Total	ug/L	MW-13A	06/08/2023	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/05/2023	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/20/2024	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/02/2024	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/12/2025	ND	10.0000		
Nickel, Total	ug/L	MW-13A	10/14/2025	ND	10.0000		
Nickel, Total	ug/L	MW-13A	05/27/2026	ND	10.0000		
Selenium, Total	ug/L	MW-13A	04/13/2010	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/10/2011	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/19/2011	ND	10.0000		
Selenium, Total	ug/L	MW-13A	04/24/2012	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/25/2012	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/07/2013	ND	10.0000		
Selenium, Total	ug/L	MW-13A	11/11/2013	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/13/2014	ND	10.0000		
Selenium, Total	ug/L	MW-13A	11/12/2014	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/27/2015	ND	10.0000		
Selenium, Total	ug/L	MW-13A	11/18/2015	ND	10.0000		
Selenium, Total	ug/L	MW-13A	06/16/2016	ND	10.0000		
Selenium, Total	ug/L	MW-13A	11/16/2016	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/30/2017	ND	10.0000		
Selenium, Total	ug/L	MW-13A	11/21/2017	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/28/2019	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/15/2019	ND	10.0000		
Selenium, Total	ug/L	MW-13A	06/03/2020	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/07/2020	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/03/2021	ND	10.0000		
Selenium, Total	ug/L	MW-13A	11/09/2021	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-13A	06/08/2023	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/05/2023	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/20/2024	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/02/2024	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/12/2025	ND	10.0000		
Selenium, Total	ug/L	MW-13A	10/14/2025	ND	10.0000		
Selenium, Total	ug/L	MW-13A	05/27/2026	ND	10.0000		
Silver, Total	ug/L	MW-13A	04/13/2010	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, Total	ug/L	MW-13A	10/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/10/2011	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/19/2011	ND	10.0000		
Silver, Total	ug/L	MW-13A	04/24/2012	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/25/2012	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/07/2013	ND	10.0000		
Silver, Total	ug/L	MW-13A	11/11/2013	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/13/2014	ND	10.0000		
Silver, Total	ug/L	MW-13A	11/12/2014	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/27/2015	ND	10.0000		
Silver, Total	ug/L	MW-13A	11/18/2015	ND	10.0000		
Silver, Total	ug/L	MW-13A	06/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-13A	11/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/30/2017	ND	10.0000		
Silver, Total	ug/L	MW-13A	11/21/2017	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/28/2019	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/15/2019	ND	10.0000		
Silver, Total	ug/L	MW-13A	06/03/2020	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/07/2020	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/03/2021	ND	10.0000		
Silver, Total	ug/L	MW-13A	11/09/2021	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-13A	06/08/2023	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/05/2023	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/20/2024	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/02/2024	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/12/2025	ND	10.0000		
Silver, Total	ug/L	MW-13A	10/14/2025	ND	10.0000		
Silver, Total	ug/L	MW-13A	05/27/2026	ND	10.0000		
Thallium, Total	ug/L	MW-13A	04/13/2010	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/10/2011	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/19/2011	ND	2.0000		
Thallium, Total	ug/L	MW-13A	04/24/2012	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/25/2012	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/07/2013	ND	2.0000		
Thallium, Total	ug/L	MW-13A	11/11/2013	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/13/2014	ND	2.0000		
Thallium, Total	ug/L	MW-13A	11/12/2014	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/27/2015	ND	2.0000		
Thallium, Total	ug/L	MW-13A	11/18/2015	ND	2.0000		
Thallium, Total	ug/L	MW-13A	06/16/2016	ND	2.0000		
Thallium, Total	ug/L	MW-13A	11/16/2016	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/30/2017	ND	2.0000		
Thallium, Total	ug/L	MW-13A	11/21/2017	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/28/2019	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/15/2019	ND	2.0000		
Thallium, Total	ug/L	MW-13A	06/03/2020	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/07/2020	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/03/2021	ND	2.0000		
Thallium, Total	ug/L	MW-13A	11/09/2021	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-13A	06/08/2023	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/05/2023	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/20/2024	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/02/2024	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/12/2025	ND	2.0000		
Thallium, Total	ug/L	MW-13A	10/14/2025	ND	2.0000		
Thallium, Total	ug/L	MW-13A	05/27/2026	ND	2.0000		
Vanadium, Total	ug/L	MW-13A	04/13/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/10/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/19/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	04/24/2012	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/25/2012	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/07/2013	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	11/11/2013	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/13/2014	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, Total	ug/L	MW-13A	11/12/2014	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/27/2015	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	11/18/2015	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	06/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	11/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/30/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	11/21/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/28/2019	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/15/2019	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	06/03/2020	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/07/2020	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/03/2021	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	11/09/2021	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	06/08/2023	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/05/2023	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/20/2024	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/02/2024	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/12/2025	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	10/14/2025	ND	20.0000		
Vanadium, Total	ug/L	MW-13A	05/27/2026	ND	20.0000		
Zinc, Total	ug/L	MW-13A	04/13/2010	ND	20.0000		
Zinc, Total	ug/L	MW-13A	10/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-13A	05/10/2011	ND	20.0000		
Zinc, Total	ug/L	MW-13A	10/19/2011	ND	20.0000		
Zinc, Total	ug/L	MW-13A	04/24/2012	ND	20.0000		
Zinc, Total	ug/L	MW-13A	10/25/2012	ND	20.0000		
Zinc, Total	ug/L	MW-13A	05/07/2013	ND	20.0000		
Zinc, Total	ug/L	MW-13A	11/11/2013	ND	20.0000		
Zinc, Total	ug/L	MW-13A	05/13/2014	ND	20.0000		
Zinc, Total	ug/L	MW-13A	11/12/2014	ND	20.0000		
Zinc, Total	ug/L	MW-13A	05/27/2015	ND	20.0000		
Zinc, Total	ug/L	MW-13A	11/18/2015	ND	20.0000		
Zinc, Total	ug/L	MW-13A	06/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-13A	11/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-13A	05/30/2017	ND	20.0000		
Zinc, Total	ug/L	MW-13A	11/21/2017	ND	20.0000		
Zinc, Total	ug/L	MW-13A	05/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-13A	10/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-13A	05/28/2019	ND	20.0000		
Zinc, Total	ug/L	MW-13A	10/15/2019	ND	20.0000		
Zinc, Total	ug/L	MW-13A	06/03/2020	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	10/07/2020	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	05/03/2021	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	11/09/2021	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	05/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	10/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	06/08/2023	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	10/05/2023	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	05/20/2024	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	10/02/2024	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	05/12/2025	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	10/14/2025	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-13A	05/27/2026	ND	50.0000	20.0000	**
Antimony, Total	ug/L	MW-34A	04/13/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-34A	05/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-34A	06/21/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-34A	08/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-34A	10/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-34A	05/10/2011	ND	6.0000		
Antimony, Total	ug/L	MW-34A	10/19/2011	ND	6.0000		
Antimony, Total	ug/L	MW-34A	04/24/2012	ND	6.0000		
Antimony, Total	ug/L	MW-34A	10/25/2012	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/07/2013	ND	6.0000		
Antimony, Total	ug/L	MW-34A	11/11/2013	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/13/2014	ND	6.0000		
Antimony, Total	ug/L	MW-34A	11/12/2014	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/27/2015	ND	6.0000		
Antimony, Total	ug/L	MW-34A	11/18/2015	ND	6.0000		
Antimony, Total	ug/L	MW-34A	06/16/2016	ND	6.0000		
Antimony, Total	ug/L	MW-34A	11/16/2016	ND	6.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-34A	05/30/2017	ND	6.0000		
Antimony, Total	ug/L	MW-34A	11/21/2017	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-34A	10/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/28/2019	ND	6.0000		
Antimony, Total	ug/L	MW-34A	10/15/2019	ND	6.0000		
Antimony, Total	ug/L	MW-34A	06/03/2020	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/03/2021	ND	6.0000		
Antimony, Total	ug/L	MW-34A	01/13/2022	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-34A	10/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/22/2023	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/12/2025	ND	6.0000		
Antimony, Total	ug/L	MW-34A	11/24/2025	ND	6.0000		
Antimony, Total	ug/L	MW-34A	05/27/2026	ND	6.0000		
Arsenic, Total	ug/L	MW-34A	04/13/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	06/21/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	08/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	10/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/10/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	10/19/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	04/24/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	10/25/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/07/2013	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	11/11/2013	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/13/2014	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	11/12/2014	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/27/2015	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	11/18/2015	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	06/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	11/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/30/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	11/21/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	10/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/28/2019	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	10/15/2019	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	06/03/2020	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/03/2021	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	01/13/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	10/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/22/2023	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/12/2025	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	11/24/2025	ND	10.0000		
Arsenic, Total	ug/L	MW-34A	05/27/2026	ND	10.0000		
Barium, Total	ug/L	MW-34A	04/13/2010		33.0000		
Barium, Total	ug/L	MW-34A	05/18/2010		34.6000		
Barium, Total	ug/L	MW-34A	06/21/2010		37.5000		
Barium, Total	ug/L	MW-34A	08/18/2010		35.4000		
Barium, Total	ug/L	MW-34A	10/18/2010		39.9000		
Barium, Total	ug/L	MW-34A	05/10/2011		35.0000		
Barium, Total	ug/L	MW-34A	10/19/2011		50.0000		
Barium, Total	ug/L	MW-34A	04/24/2012		38.0000		
Barium, Total	ug/L	MW-34A	10/25/2012		36.0000		
Barium, Total	ug/L	MW-34A	05/07/2013		33.0000		
Barium, Total	ug/L	MW-34A	11/11/2013		38.0000		
Barium, Total	ug/L	MW-34A	05/13/2014		30.0000		
Barium, Total	ug/L	MW-34A	11/12/2014		37.0000		
Barium, Total	ug/L	MW-34A	05/27/2015		31.0000		
Barium, Total	ug/L	MW-34A	11/18/2015		31.0000		
Barium, Total	ug/L	MW-34A	06/16/2016		37.0000		
Barium, Total	ug/L	MW-34A	11/16/2016		39.0000		
Barium, Total	ug/L	MW-34A	05/30/2017		43.0000		
Barium, Total	ug/L	MW-34A	11/21/2017		310.0000		
Barium, Total	ug/L	MW-34A	05/31/2018		220.0000		
Barium, Total	ug/L	MW-34A	10/31/2018		150.0000		
Barium, Total	ug/L	MW-34A	05/28/2019		190.0000		
Barium, Total	ug/L	MW-34A	10/15/2019		180.0000		
Barium, Total	ug/L	MW-34A	06/03/2020		196.0000		
Barium, Total	ug/L	MW-34A	05/03/2021		35.7000		
Barium, Total	ug/L	MW-34A	01/13/2022		35.1000		
Barium, Total	ug/L	MW-34A	05/17/2022		235.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-34A	10/17/2022		297.0000		
Barium, Total	ug/L	MW-34A	05/22/2023		186.0000		
Barium, Total	ug/L	MW-34A	05/12/2025		43.7000		
Barium, Total	ug/L	MW-34A	11/24/2025		39.3000		
Barium, Total	ug/L	MW-34A	05/27/2026		33.1000		
Beryllium, Total	ug/L	MW-34A	04/13/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	06/21/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	08/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	10/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/10/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	10/19/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	04/24/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	10/25/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/07/2013	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	11/11/2013	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/13/2014	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	11/12/2014	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/27/2015	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	11/18/2015	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	06/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	11/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/30/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	11/21/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	10/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/28/2019	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	10/15/2019	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	06/03/2020	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/03/2021	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	01/13/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	10/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/22/2023	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/12/2025	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	11/24/2025	ND	4.0000		
Beryllium, Total	ug/L	MW-34A	05/27/2026	ND	4.0000		
Cadmium, Total	ug/L	MW-34A	04/13/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	06/21/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	08/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	10/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/10/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	10/19/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	04/24/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	10/25/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/07/2013	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	11/11/2013	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/13/2014	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	11/12/2014	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/27/2015	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	11/18/2015	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	06/16/2016	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	11/16/2016	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/30/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	11/21/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	10/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/28/2019	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	10/15/2019	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	06/03/2020	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/03/2021	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	01/13/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	10/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/22/2023	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/12/2025	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	11/24/2025	ND	5.0000		
Cadmium, Total	ug/L	MW-34A	05/27/2026	ND	5.0000		
Chromium, Total	ug/L	MW-34A	04/13/2010	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/18/2010	ND	10.0000		
Chromium, Total	ug/L	MW-34A	06/21/2010	ND	10.0000		
Chromium, Total	ug/L	MW-34A	08/18/2010	ND	10.0000		
Chromium, Total	ug/L	MW-34A	10/18/2010	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, Total	ug/L	MW-34A	05/10/2011	ND	10.0000		
Chromium, Total	ug/L	MW-34A	10/19/2011	ND	10.0000		
Chromium, Total	ug/L	MW-34A	04/24/2012	ND	10.0000		
Chromium, Total	ug/L	MW-34A	10/25/2012	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/07/2013	ND	10.0000		
Chromium, Total	ug/L	MW-34A	11/11/2013	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/13/2014	ND	10.0000		
Chromium, Total	ug/L	MW-34A	11/12/2014	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/27/2015	ND	10.0000		
Chromium, Total	ug/L	MW-34A	11/18/2015	ND	10.0000		
Chromium, Total	ug/L	MW-34A	06/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-34A	11/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/30/2017	ND	10.0000		
Chromium, Total	ug/L	MW-34A	11/21/2017	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-34A	10/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/28/2019	ND	10.0000		
Chromium, Total	ug/L	MW-34A	10/15/2019	ND	10.0000		
Chromium, Total	ug/L	MW-34A	06/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-34A	01/13/2022	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-34A	10/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/22/2023	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/12/2025	ND	10.0000		
Chromium, Total	ug/L	MW-34A	11/24/2025	ND	10.0000		
Chromium, Total	ug/L	MW-34A	05/27/2026	ND	10.0000		
Cobalt, Total	ug/L	MW-34A	04/13/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	06/21/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	08/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	10/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/10/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	10/19/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	04/24/2012	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	10/25/2012	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/07/2013	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	11/11/2013	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/13/2014	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	11/12/2014	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/27/2015	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	11/18/2015	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	06/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	11/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	05/30/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	11/21/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	05/31/2018	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	10/31/2018	ND	2.8000		
Cobalt, Total	ug/L	MW-34A	05/28/2019	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-34A	10/15/2019	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-34A	06/03/2020	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/03/2021	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	01/13/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	10/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/22/2023	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/12/2025		4.0200		
Cobalt, Total	ug/L	MW-34A	11/24/2025	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-34A	05/27/2026	ND	2.0000	2.8000	**
Copper, Total	ug/L	MW-34A	04/13/2010	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-34A	06/21/2010	ND	10.0000		
Copper, Total	ug/L	MW-34A	08/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-34A	10/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/10/2011	ND	10.0000		
Copper, Total	ug/L	MW-34A	10/19/2011	ND	10.0000		
Copper, Total	ug/L	MW-34A	04/24/2012	ND	10.0000		
Copper, Total	ug/L	MW-34A	10/25/2012	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/07/2013	ND	10.0000		
Copper, Total	ug/L	MW-34A	11/11/2013	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/13/2014	ND	10.0000		
Copper, Total	ug/L	MW-34A	11/12/2014	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/27/2015	ND	10.0000		
Copper, Total	ug/L	MW-34A	11/18/2015	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, Total	ug/L	MW-34A	06/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-34A	11/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/30/2017	ND	10.0000		
Copper, Total	ug/L	MW-34A	11/21/2017	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-34A	10/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/28/2019	ND	10.0000		
Copper, Total	ug/L	MW-34A	10/15/2019	ND	10.0000		
Copper, Total	ug/L	MW-34A	06/03/2020	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/03/2021	ND	10.0000		
Copper, Total	ug/L	MW-34A	01/13/2022	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-34A	10/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/22/2023	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/12/2025	ND	10.0000		
Copper, Total	ug/L	MW-34A	11/24/2025	ND	10.0000		
Copper, Total	ug/L	MW-34A	05/27/2026	ND	10.0000		
Lead, Total	ug/L	MW-34A	04/13/2010	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-34A	06/21/2010	ND	10.0000		
Lead, Total	ug/L	MW-34A	08/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-34A	10/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/10/2011	ND	10.0000		
Lead, Total	ug/L	MW-34A	10/19/2011	ND	10.0000		
Lead, Total	ug/L	MW-34A	04/24/2012	ND	10.0000		
Lead, Total	ug/L	MW-34A	10/25/2012	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/07/2013	ND	10.0000		
Lead, Total	ug/L	MW-34A	11/11/2013	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/13/2014	ND	10.0000		
Lead, Total	ug/L	MW-34A	11/12/2014	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/27/2015	ND	10.0000		
Lead, Total	ug/L	MW-34A	11/18/2015	ND	10.0000		
Lead, Total	ug/L	MW-34A	06/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-34A	11/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/30/2017	ND	10.0000		
Lead, Total	ug/L	MW-34A	11/21/2017	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-34A	10/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/28/2019	ND	10.0000		
Lead, Total	ug/L	MW-34A	10/15/2019	ND	10.0000		
Lead, Total	ug/L	MW-34A	06/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-34A	01/13/2022	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/17/2022	ND	10.0000		
Lead, Total	ug/L	MW-34A	10/17/2022	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/22/2023	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/12/2025	ND	10.0000		
Lead, Total	ug/L	MW-34A	11/24/2025	ND	10.0000		
Lead, Total	ug/L	MW-34A	05/27/2026	ND	10.0000		
Nickel, Total	ug/L	MW-34A	04/13/2010	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-34A	06/21/2010	ND	10.0000		
Nickel, Total	ug/L	MW-34A	08/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-34A	10/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/10/2011	ND	10.0000		
Nickel, Total	ug/L	MW-34A	10/19/2011	ND	10.0000		
Nickel, Total	ug/L	MW-34A	04/24/2012	ND	10.0000		
Nickel, Total	ug/L	MW-34A	10/25/2012	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/07/2013	ND	10.0000		
Nickel, Total	ug/L	MW-34A	11/11/2013	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/13/2014	ND	10.0000		
Nickel, Total	ug/L	MW-34A	11/12/2014	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/27/2015	ND	10.0000		
Nickel, Total	ug/L	MW-34A	11/18/2015	ND	10.0000		
Nickel, Total	ug/L	MW-34A	06/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-34A	11/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/30/2017	ND	10.0000		
Nickel, Total	ug/L	MW-34A	11/21/2017	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/31/2018	ND	10.0000		
Nickel, Total	ug/L	MW-34A	10/31/2018		17.0000		
Nickel, Total	ug/L	MW-34A	05/28/2019	ND	10.0000		
Nickel, Total	ug/L	MW-34A	10/15/2019		21.0000		
Nickel, Total	ug/L	MW-34A	06/03/2020	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/03/2021	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, Total	ug/L	MW-34A	01/13/2022	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/17/2022	ND	10.0000		
Nickel, Total	ug/L	MW-34A	10/17/2022	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/22/2023	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/12/2025	ND	10.0000		
Nickel, Total	ug/L	MW-34A	11/24/2025	ND	10.0000		
Nickel, Total	ug/L	MW-34A	05/27/2026	ND	10.0000		
Selenium, Total	ug/L	MW-34A	04/13/2010	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-34A	06/21/2010	ND	10.0000		
Selenium, Total	ug/L	MW-34A	08/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-34A	10/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/10/2011	ND	10.0000		
Selenium, Total	ug/L	MW-34A	10/19/2011		11.0000		
Selenium, Total	ug/L	MW-34A	04/24/2012	ND	10.0000		
Selenium, Total	ug/L	MW-34A	10/25/2012	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/07/2013	ND	10.0000		
Selenium, Total	ug/L	MW-34A	11/11/2013	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/13/2014	ND	10.0000		
Selenium, Total	ug/L	MW-34A	11/12/2014	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/27/2015	ND	10.0000		
Selenium, Total	ug/L	MW-34A	11/18/2015	ND	10.0000		
Selenium, Total	ug/L	MW-34A	06/16/2016		22.0000		
Selenium, Total	ug/L	MW-34A	11/16/2016		12.0000		
Selenium, Total	ug/L	MW-34A	05/30/2017		25.0000		
Selenium, Total	ug/L	MW-34A	11/21/2017	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-34A	10/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/28/2019	ND	10.0000		
Selenium, Total	ug/L	MW-34A	10/15/2019	ND	10.0000		
Selenium, Total	ug/L	MW-34A	06/03/2020	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/03/2021	ND	10.0000		
Selenium, Total	ug/L	MW-34A	01/13/2022	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-34A	10/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/22/2023	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/12/2025	ND	10.0000		
Selenium, Total	ug/L	MW-34A	11/24/2025	ND	10.0000		
Selenium, Total	ug/L	MW-34A	05/27/2026	ND	10.0000		
Silver, Total	ug/L	MW-34A	04/13/2010	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-34A	06/21/2010	ND	10.0000		
Silver, Total	ug/L	MW-34A	08/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-34A	10/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/10/2011	ND	10.0000		
Silver, Total	ug/L	MW-34A	10/19/2011	ND	10.0000		
Silver, Total	ug/L	MW-34A	04/24/2012	ND	10.0000		
Silver, Total	ug/L	MW-34A	10/25/2012	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/07/2013	ND	10.0000		
Silver, Total	ug/L	MW-34A	11/11/2013	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/13/2014	ND	10.0000		
Silver, Total	ug/L	MW-34A	11/12/2014	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/27/2015	ND	10.0000		
Silver, Total	ug/L	MW-34A	11/18/2015	ND	10.0000		
Silver, Total	ug/L	MW-34A	06/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-34A	11/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/30/2017	ND	10.0000		
Silver, Total	ug/L	MW-34A	11/21/2017	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-34A	10/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/28/2019	ND	10.0000		
Silver, Total	ug/L	MW-34A	10/15/2019	ND	10.0000		
Silver, Total	ug/L	MW-34A	06/03/2020	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/03/2021	ND	10.0000		
Silver, Total	ug/L	MW-34A	01/13/2022	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-34A	10/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/22/2023	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/12/2025	ND	10.0000		
Silver, Total	ug/L	MW-34A	11/24/2025	ND	10.0000		
Silver, Total	ug/L	MW-34A	05/27/2026	ND	10.0000		
Thallium, Total	ug/L	MW-34A	04/13/2010	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-34A	06/21/2010	ND	2.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, Total	ug/L	MW-34A	08/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-34A	10/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/10/2011	ND	2.0000		
Thallium, Total	ug/L	MW-34A	10/19/2011	ND	2.0000		
Thallium, Total	ug/L	MW-34A	04/24/2012	ND	2.0000		
Thallium, Total	ug/L	MW-34A	10/25/2012	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/07/2013	ND	2.0000		
Thallium, Total	ug/L	MW-34A	11/11/2013	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/13/2014	ND	2.0000		
Thallium, Total	ug/L	MW-34A	11/12/2014	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/27/2015	ND	2.0000		
Thallium, Total	ug/L	MW-34A	11/18/2015	ND	2.0000		
Thallium, Total	ug/L	MW-34A	06/16/2016	ND	2.0000		
Thallium, Total	ug/L	MW-34A	11/16/2016	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/30/2017	ND	2.0000		
Thallium, Total	ug/L	MW-34A	11/21/2017	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-34A	10/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/28/2019	ND	2.0000		
Thallium, Total	ug/L	MW-34A	10/15/2019	ND	2.0000		
Thallium, Total	ug/L	MW-34A	06/03/2020	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/03/2021	ND	2.0000		
Thallium, Total	ug/L	MW-34A	01/13/2022	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-34A	10/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/22/2023	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/12/2025	ND	2.0000		
Thallium, Total	ug/L	MW-34A	11/24/2025	ND	2.0000		
Thallium, Total	ug/L	MW-34A	05/27/2026	ND	2.0000		
Vanadium, Total	ug/L	MW-34A	04/13/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	06/21/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	08/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	10/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/10/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	10/19/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	04/24/2012	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	10/25/2012	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/07/2013	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	11/11/2013	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/13/2014	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	11/12/2014	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/27/2015	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	11/18/2015	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	06/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	11/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/30/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	11/21/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	10/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/28/2019	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	10/15/2019	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	06/03/2020	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/03/2021	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	01/13/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	10/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/22/2023	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/12/2025	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	11/24/2025	ND	20.0000		
Vanadium, Total	ug/L	MW-34A	05/27/2026	ND	20.0000		
Zinc, Total	ug/L	MW-34A	04/13/2010	ND	20.0000		
Zinc, Total	ug/L	MW-34A	05/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-34A	06/21/2010	ND	20.0000		
Zinc, Total	ug/L	MW-34A	08/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-34A	10/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-34A	05/10/2011	ND	20.0000		
Zinc, Total	ug/L	MW-34A	10/19/2011	ND	20.0000		
Zinc, Total	ug/L	MW-34A	04/24/2012	ND	20.0000		
Zinc, Total	ug/L	MW-34A	10/25/2012	ND	20.0000		
Zinc, Total	ug/L	MW-34A	05/07/2013	ND	20.0000		
Zinc, Total	ug/L	MW-34A	11/11/2013	ND	20.0000		
Zinc, Total	ug/L	MW-34A	05/13/2014	ND	20.0000		
Zinc, Total	ug/L	MW-34A	11/12/2014	ND	20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, Total	ug/L	MW-34A	05/27/2015	ND	20.0000		
Zinc, Total	ug/L	MW-34A	11/18/2015	ND	20.0000		
Zinc, Total	ug/L	MW-34A	06/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-34A	11/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-34A	05/30/2017	ND	20.0000		
Zinc, Total	ug/L	MW-34A	11/21/2017	ND	20.0000		
Zinc, Total	ug/L	MW-34A	05/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-34A	10/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-34A	05/28/2019	ND	20.0000		
Zinc, Total	ug/L	MW-34A	10/15/2019	ND	20.0000		
Zinc, Total	ug/L	MW-34A	06/03/2020	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	05/03/2021	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	01/13/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	05/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	10/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	05/22/2023	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	05/12/2025	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	11/24/2025	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-34A	05/27/2026	ND	50.0000	20.0000	**
Antimony, Total	ug/L	MW-36A	04/13/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-36A	05/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-36A	06/21/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-36A	08/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-36A	10/18/2010	ND	6.8000	6.0000	**
Antimony, Total	ug/L	MW-36A	05/10/2011	ND	6.0000		
Antimony, Total	ug/L	MW-36A	10/19/2011	ND	6.0000		
Antimony, Total	ug/L	MW-36A	04/24/2012	ND	6.0000		
Antimony, Total	ug/L	MW-36A	10/25/2012	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/07/2013	ND	6.0000		
Antimony, Total	ug/L	MW-36A	11/11/2013	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/13/2014	ND	6.0000		
Antimony, Total	ug/L	MW-36A	11/12/2014	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/27/2015	ND	6.0000		
Antimony, Total	ug/L	MW-36A	11/18/2015	ND	6.0000		
Antimony, Total	ug/L	MW-36A	06/16/2016	ND	6.0000		
Antimony, Total	ug/L	MW-36A	11/16/2016	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/30/2017	ND	6.0000		
Antimony, Total	ug/L	MW-36A	11/21/2017	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-36A	10/31/2018	ND	6.0000		
Antimony, Total	ug/L	MW-36A	10/15/2019	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/03/2021	ND	6.0000		
Antimony, Total	ug/L	MW-36A	01/13/2022	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-36A	10/17/2022	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/22/2023	ND	6.0000		
Antimony, Total	ug/L	MW-36A	05/12/2025	ND	6.0000		
Arsenic, Total	ug/L	MW-36A	04/13/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	06/21/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	08/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	10/18/2010	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/10/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	10/19/2011	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	04/24/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	10/25/2012	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/07/2013	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	11/11/2013	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/13/2014	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	11/12/2014	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/27/2015	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	11/18/2015	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	06/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	11/16/2016	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/30/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	11/21/2017	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	10/31/2018	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	10/15/2019	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/03/2021	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	01/13/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	10/17/2022	ND	10.0000		
Arsenic, Total	ug/L	MW-36A	05/22/2023	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, Total	ug/L	MW-36A	05/12/2025	ND	10.0000		
Barium, Total	ug/L	MW-36A	04/13/2010		38.0000		
Barium, Total	ug/L	MW-36A	05/18/2010		36.7000		
Barium, Total	ug/L	MW-36A	06/21/2010		39.4000		
Barium, Total	ug/L	MW-36A	08/18/2010		39.3000		
Barium, Total	ug/L	MW-36A	10/18/2010		44.2000		
Barium, Total	ug/L	MW-36A	05/10/2011		39.0000		
Barium, Total	ug/L	MW-36A	10/19/2011		42.0000		
Barium, Total	ug/L	MW-36A	04/24/2012		37.0000		
Barium, Total	ug/L	MW-36A	10/25/2012		43.0000		
Barium, Total	ug/L	MW-36A	05/07/2013		37.0000		
Barium, Total	ug/L	MW-36A	11/11/2013		41.0000		
Barium, Total	ug/L	MW-36A	05/13/2014		33.0000		
Barium, Total	ug/L	MW-36A	11/12/2014		46.0000		
Barium, Total	ug/L	MW-36A	05/27/2015		36.0000		
Barium, Total	ug/L	MW-36A	11/18/2015		40.0000		
Barium, Total	ug/L	MW-36A	06/16/2016		24.0000		
Barium, Total	ug/L	MW-36A	11/16/2016		31.0000		
Barium, Total	ug/L	MW-36A	05/30/2017		30.0000		
Barium, Total	ug/L	MW-36A	11/21/2017		320.0000		
Barium, Total	ug/L	MW-36A	05/31/2018		290.0000		
Barium, Total	ug/L	MW-36A	10/31/2018		300.0000		
Barium, Total	ug/L	MW-36A	10/15/2019		290.0000		
Barium, Total	ug/L	MW-36A	05/03/2021		303.0000		
Barium, Total	ug/L	MW-36A	01/13/2022		38.0000		
Barium, Total	ug/L	MW-36A	05/17/2022		182.0000		
Barium, Total	ug/L	MW-36A	10/17/2022		223.0000		
Barium, Total	ug/L	MW-36A	05/22/2023		267.0000		
Barium, Total	ug/L	MW-36A	05/12/2025		42.6000		
Beryllium, Total	ug/L	MW-36A	04/13/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	06/21/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	08/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	10/18/2010	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/10/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	10/19/2011	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	04/24/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	10/25/2012	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/07/2013	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	11/11/2013	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/13/2014	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	11/12/2014	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/27/2015	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	11/18/2015	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	06/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	11/16/2016	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/30/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	11/21/2017	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	10/31/2018	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	10/15/2019	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/03/2021	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	01/13/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	10/17/2022	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/22/2023	ND	4.0000		
Beryllium, Total	ug/L	MW-36A	05/12/2025	ND	4.0000		
Cadmium, Total	ug/L	MW-36A	04/13/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	06/21/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	08/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	10/18/2010	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/10/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	10/19/2011	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	04/24/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	10/25/2012	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/07/2013	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	11/11/2013	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/13/2014	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	11/12/2014	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/27/2015	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	11/18/2015	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	06/16/2016	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	11/16/2016	ND	5.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-36A	05/30/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	11/21/2017	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	10/31/2018	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	10/15/2019	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/03/2021	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	01/13/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	10/17/2022	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/22/2023	ND	5.0000		
Cadmium, Total	ug/L	MW-36A	05/12/2025	ND	5.0000		
Chromium, Total	ug/L	MW-36A	04/13/2010	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/18/2010	ND	10.0000		
Chromium, Total	ug/L	MW-36A	06/21/2010	ND	10.0000		
Chromium, Total	ug/L	MW-36A	08/18/2010	ND	10.0000		
Chromium, Total	ug/L	MW-36A	10/18/2010	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/10/2011	ND	10.0000		
Chromium, Total	ug/L	MW-36A	10/19/2011	ND	10.0000		
Chromium, Total	ug/L	MW-36A	04/24/2012	ND	10.0000		
Chromium, Total	ug/L	MW-36A	10/25/2012	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/07/2013	ND	10.0000		
Chromium, Total	ug/L	MW-36A	11/11/2013	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/13/2014	ND	10.0000		
Chromium, Total	ug/L	MW-36A	11/12/2014	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/27/2015	ND	10.0000		
Chromium, Total	ug/L	MW-36A	11/18/2015	ND	10.0000		
Chromium, Total	ug/L	MW-36A	06/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-36A	11/16/2016	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/30/2017	ND	10.0000		
Chromium, Total	ug/L	MW-36A	11/21/2017	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-36A	10/31/2018	ND	10.0000		
Chromium, Total	ug/L	MW-36A	10/15/2019	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-36A	01/13/2022	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-36A	10/17/2022	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/22/2023	ND	10.0000		
Chromium, Total	ug/L	MW-36A	05/12/2025	ND	10.0000		
Cobalt, Total	ug/L	MW-36A	04/13/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	06/21/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	08/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	10/18/2010	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/10/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	10/19/2011	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	04/24/2012	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	10/25/2012	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/07/2013	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	11/11/2013	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/13/2014	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	11/12/2014	ND	10.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/27/2015	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	11/18/2015	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	06/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	11/16/2016	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	05/30/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	11/21/2017	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	05/31/2018	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	10/31/2018	ND	2.8000		
Cobalt, Total	ug/L	MW-36A	10/15/2019	ND	2.1000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/03/2021	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	01/13/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	10/17/2022	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/22/2023	ND	2.0000	2.8000	**
Cobalt, Total	ug/L	MW-36A	05/12/2025	ND	2.0000	2.8000	**
Copper, Total	ug/L	MW-36A	04/13/2010	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-36A	06/21/2010	ND	10.0000		
Copper, Total	ug/L	MW-36A	08/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-36A	10/18/2010	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/10/2011	ND	10.0000		
Copper, Total	ug/L	MW-36A	10/19/2011	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, Total	ug/L	MW-36A	04/24/2012	ND	10.0000		
Copper, Total	ug/L	MW-36A	10/25/2012	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/07/2013	ND	10.0000		
Copper, Total	ug/L	MW-36A	11/11/2013	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/13/2014	ND	10.0000		
Copper, Total	ug/L	MW-36A	11/12/2014	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/27/2015	ND	10.0000		
Copper, Total	ug/L	MW-36A	11/18/2015	ND	10.0000		
Copper, Total	ug/L	MW-36A	06/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-36A	11/16/2016	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/30/2017	ND	10.0000		
Copper, Total	ug/L	MW-36A	11/21/2017	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-36A	10/31/2018	ND	10.0000		
Copper, Total	ug/L	MW-36A	10/15/2019	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/03/2021	ND	10.0000		
Copper, Total	ug/L	MW-36A	01/13/2022	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-36A	10/17/2022	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/22/2023	ND	10.0000		
Copper, Total	ug/L	MW-36A	05/12/2025	ND	10.0000		
Lead, Total	ug/L	MW-36A	04/13/2010	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-36A	06/21/2010	ND	10.0000		
Lead, Total	ug/L	MW-36A	08/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-36A	10/18/2010	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/10/2011	ND	10.0000		
Lead, Total	ug/L	MW-36A	10/19/2011	ND	10.0000		
Lead, Total	ug/L	MW-36A	04/24/2012	ND	10.0000		
Lead, Total	ug/L	MW-36A	10/25/2012	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/07/2013	ND	10.0000		
Lead, Total	ug/L	MW-36A	11/11/2013	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/13/2014	ND	10.0000		
Lead, Total	ug/L	MW-36A	11/12/2014	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/27/2015	ND	10.0000		
Lead, Total	ug/L	MW-36A	11/18/2015	ND	10.0000		
Lead, Total	ug/L	MW-36A	06/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-36A	11/16/2016	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/30/2017	ND	10.0000		
Lead, Total	ug/L	MW-36A	11/21/2017	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-36A	10/31/2018	ND	10.0000		
Lead, Total	ug/L	MW-36A	10/15/2019	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-36A	01/13/2022	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/17/2022	ND	10.0000		
Lead, Total	ug/L	MW-36A	10/17/2022	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/22/2023	ND	10.0000		
Lead, Total	ug/L	MW-36A	05/12/2025	ND	10.0000		
Nickel, Total	ug/L	MW-36A	04/13/2010	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-36A	06/21/2010	ND	10.0000		
Nickel, Total	ug/L	MW-36A	08/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-36A	10/18/2010	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/10/2011	ND	10.0000		
Nickel, Total	ug/L	MW-36A	10/19/2011	ND	10.0000		
Nickel, Total	ug/L	MW-36A	04/24/2012	ND	10.0000		
Nickel, Total	ug/L	MW-36A	10/25/2012	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/07/2013	ND	10.0000		
Nickel, Total	ug/L	MW-36A	11/11/2013	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/13/2014	ND	10.0000		
Nickel, Total	ug/L	MW-36A	11/12/2014	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/27/2015	ND	10.0000		
Nickel, Total	ug/L	MW-36A	11/18/2015	ND	10.0000		
Nickel, Total	ug/L	MW-36A	06/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-36A	11/16/2016	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/30/2017	ND	10.0000		
Nickel, Total	ug/L	MW-36A	11/21/2017	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/31/2018	ND	10.0000		
Nickel, Total	ug/L	MW-36A	10/31/2018	ND	10.0000		
Nickel, Total	ug/L	MW-36A	10/15/2019	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/03/2021	ND	10.0000		
Nickel, Total	ug/L	MW-36A	01/13/2022	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/17/2022	ND	10.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, Total	ug/L	MW-36A	10/17/2022	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/22/2023	ND	10.0000		
Nickel, Total	ug/L	MW-36A	05/12/2025		71.3000		*
Selenium, Total	ug/L	MW-36A	04/13/2010	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-36A	06/21/2010	ND	10.0000		
Selenium, Total	ug/L	MW-36A	08/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-36A	10/18/2010	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/10/2011	ND	10.0000		
Selenium, Total	ug/L	MW-36A	10/19/2011	ND	10.0000		
Selenium, Total	ug/L	MW-36A	04/24/2012	ND	10.0000		
Selenium, Total	ug/L	MW-36A	10/25/2012	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/07/2013	ND	10.0000		
Selenium, Total	ug/L	MW-36A	11/11/2013	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/13/2014	ND	10.0000		
Selenium, Total	ug/L	MW-36A	11/12/2014	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/27/2015	ND	10.0000		
Selenium, Total	ug/L	MW-36A	11/18/2015	ND	10.0000		
Selenium, Total	ug/L	MW-36A	06/16/2016		46.0000		*
Selenium, Total	ug/L	MW-36A	11/16/2016	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/30/2017		38.0000		*
Selenium, Total	ug/L	MW-36A	11/21/2017	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-36A	10/31/2018	ND	10.0000		
Selenium, Total	ug/L	MW-36A	10/15/2019	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/03/2021	ND	10.0000		
Selenium, Total	ug/L	MW-36A	01/13/2022	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-36A	10/17/2022	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/22/2023	ND	10.0000		
Selenium, Total	ug/L	MW-36A	05/12/2025	ND	10.0000		
Silver, Total	ug/L	MW-36A	04/13/2010	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-36A	06/21/2010	ND	10.0000		
Silver, Total	ug/L	MW-36A	08/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-36A	10/18/2010	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/10/2011	ND	10.0000		
Silver, Total	ug/L	MW-36A	10/19/2011	ND	10.0000		
Silver, Total	ug/L	MW-36A	04/24/2012	ND	10.0000		
Silver, Total	ug/L	MW-36A	10/25/2012	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/07/2013	ND	10.0000		
Silver, Total	ug/L	MW-36A	11/11/2013	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/13/2014	ND	10.0000		
Silver, Total	ug/L	MW-36A	11/12/2014	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/27/2015	ND	10.0000		
Silver, Total	ug/L	MW-36A	11/18/2015	ND	10.0000		
Silver, Total	ug/L	MW-36A	06/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-36A	11/16/2016	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/30/2017	ND	10.0000		
Silver, Total	ug/L	MW-36A	11/21/2017	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-36A	10/31/2018	ND	10.0000		
Silver, Total	ug/L	MW-36A	10/15/2019	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/03/2021	ND	10.0000		
Silver, Total	ug/L	MW-36A	01/13/2022	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-36A	10/17/2022	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/22/2023	ND	10.0000		
Silver, Total	ug/L	MW-36A	05/12/2025	ND	10.0000		
Thallium, Total	ug/L	MW-36A	04/13/2010	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-36A	06/21/2010	ND	2.0000		
Thallium, Total	ug/L	MW-36A	08/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-36A	10/18/2010	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/10/2011	ND	2.0000		
Thallium, Total	ug/L	MW-36A	10/19/2011	ND	2.0000		
Thallium, Total	ug/L	MW-36A	04/24/2012	ND	2.0000		
Thallium, Total	ug/L	MW-36A	10/25/2012	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/07/2013	ND	2.0000		
Thallium, Total	ug/L	MW-36A	11/11/2013	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/13/2014	ND	2.0000		
Thallium, Total	ug/L	MW-36A	11/12/2014	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/27/2015	ND	2.0000		
Thallium, Total	ug/L	MW-36A	11/18/2015	ND	2.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, Total	ug/L	MW-36A	06/16/2016	ND	2.0000		
Thallium, Total	ug/L	MW-36A	11/16/2016	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/30/2017	ND	2.0000		
Thallium, Total	ug/L	MW-36A	11/21/2017	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-36A	10/31/2018	ND	2.0000		
Thallium, Total	ug/L	MW-36A	10/15/2019	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/03/2021	ND	2.0000		
Thallium, Total	ug/L	MW-36A	01/13/2022	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-36A	10/17/2022	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/22/2023	ND	2.0000		
Thallium, Total	ug/L	MW-36A	05/12/2025	ND	2.0000		
Vanadium, Total	ug/L	MW-36A	04/13/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	06/21/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	08/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	10/18/2010	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/10/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	10/19/2011	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	04/24/2012	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	10/25/2012	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/07/2013	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	11/11/2013	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/13/2014	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	11/12/2014	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/27/2015	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	11/18/2015	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	06/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	11/16/2016	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/30/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	11/21/2017	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	10/31/2018	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	10/15/2019	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/03/2021	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	01/13/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	10/17/2022	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/22/2023	ND	20.0000		
Vanadium, Total	ug/L	MW-36A	05/12/2025	ND	20.0000		
Zinc, Total	ug/L	MW-36A	04/13/2010	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-36A	06/21/2010	ND	20.0000		
Zinc, Total	ug/L	MW-36A	08/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-36A	10/18/2010	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/10/2011	ND	20.0000		
Zinc, Total	ug/L	MW-36A	10/19/2011	ND	20.0000		
Zinc, Total	ug/L	MW-36A	04/24/2012	ND	20.0000		
Zinc, Total	ug/L	MW-36A	10/25/2012	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/07/2013	ND	20.0000		
Zinc, Total	ug/L	MW-36A	11/11/2013	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/13/2014	ND	20.0000		
Zinc, Total	ug/L	MW-36A	11/12/2014	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/27/2015	ND	20.0000		
Zinc, Total	ug/L	MW-36A	11/18/2015	ND	20.0000		
Zinc, Total	ug/L	MW-36A	06/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-36A	11/16/2016	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/30/2017	ND	20.0000		
Zinc, Total	ug/L	MW-36A	11/21/2017	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-36A	10/31/2018	ND	20.0000		
Zinc, Total	ug/L	MW-36A	10/15/2019	ND	20.0000		
Zinc, Total	ug/L	MW-36A	05/03/2021	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-36A	01/13/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-36A	05/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-36A	10/17/2022	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-36A	05/22/2023	ND	50.0000	20.0000	**
Zinc, Total	ug/L	MW-36A	05/12/2025	ND	50.0000	20.0000	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-12A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-12A	05/27/2026	ND	10.0000		10.0000
Barium, Total	ug/L	MW-12A	05/27/2026		316.0000		451.0000
Beryllium, Total	ug/L	MW-12A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-12A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-12A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-12A	05/27/2026	ND	2.0000		11.0000
Copper, Total	ug/L	MW-12A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-12A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-12A	05/27/2026	ND	10.0000		21.0000
Selenium, Total	ug/L	MW-12A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-12A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-12A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-12A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-12A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-19A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-19A	05/27/2026	ND	10.0000		10.0000
Barium, Total	ug/L	MW-19A	05/27/2026		161.0000		451.0000
Beryllium, Total	ug/L	MW-19A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-19A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-19A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-19A	05/27/2026	ND	2.0000		11.0000
Copper, Total	ug/L	MW-19A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-19A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-19A	05/27/2026		27.3000	***	21.0000
Selenium, Total	ug/L	MW-19A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-19A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-19A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-19A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-19A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-21A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-21A	05/27/2026	ND	10.0000		10.0000
Barium, Total	ug/L	MW-21A	05/27/2026		301.0000		451.0000
Beryllium, Total	ug/L	MW-21A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-21A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-21A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-21A	05/27/2026	ND	2.0000		11.0000
Copper, Total	ug/L	MW-21A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-21A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-21A	05/27/2026	ND	10.0000		21.0000
Selenium, Total	ug/L	MW-21A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-21A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-21A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-21A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-21A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-23A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-23A	05/27/2026		42.0000	***	10.0000
Barium, Total	ug/L	MW-23A	05/27/2026		1550.0000	***	451.0000
Beryllium, Total	ug/L	MW-23A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-23A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-23A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-23A	05/27/2026		9.4800		11.0000
Copper, Total	ug/L	MW-23A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-23A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-23A	05/27/2026		15.5000		21.0000
Selenium, Total	ug/L	MW-23A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-23A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-23A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-23A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-23A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-37A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-37A	05/27/2026		51.0000	***	10.0000
Barium, Total	ug/L	MW-37A	05/27/2026		1280.0000	***	451.0000
Beryllium, Total	ug/L	MW-37A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-37A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-37A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-37A	05/27/2026		22.1000	***	11.0000
Copper, Total	ug/L	MW-37A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-37A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-37A	05/27/2026		313.0000	***	21.0000
Selenium, Total	ug/L	MW-37A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-37A	05/27/2026	ND	10.0000		10.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, Total	ug/L	MW-37A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-37A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-37A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-38A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-38A	05/27/2026	ND	10.0000		10.0000
Barium, Total	ug/L	MW-38A	05/27/2026		229.0000		451.0000
Beryllium, Total	ug/L	MW-38A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-38A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-38A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-38A	05/27/2026	ND	2.0000		11.0000
Copper, Total	ug/L	MW-38A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-38A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-38A	05/27/2026		36.3000	***	21.0000
Selenium, Total	ug/L	MW-38A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-38A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-38A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-38A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-38A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-39A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-39A	05/27/2026	ND	10.0000		10.0000
Barium, Total	ug/L	MW-39A	05/27/2026		232.0000		451.0000
Beryllium, Total	ug/L	MW-39A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-39A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-39A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-39A	05/27/2026	ND	2.0000		11.0000
Copper, Total	ug/L	MW-39A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-39A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-39A	05/27/2026	ND	10.0000		21.0000
Selenium, Total	ug/L	MW-39A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-39A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-39A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-39A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-39A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-40A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-40A	05/27/2026	ND	10.0000		10.0000
Barium, Total	ug/L	MW-40A	05/27/2026		224.0000		451.0000
Beryllium, Total	ug/L	MW-40A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-40A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-40A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-40A	05/27/2026	ND	2.0000		11.0000
Copper, Total	ug/L	MW-40A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-40A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-40A	05/27/2026	ND	10.0000		21.0000
Selenium, Total	ug/L	MW-40A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-40A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-40A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-40A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-40A	05/27/2026	ND	50.0000		32.0000
Antimony, Total	ug/L	MW-41A	05/27/2026	ND	6.0000		6.0000
Arsenic, Total	ug/L	MW-41A	05/27/2026	ND	10.0000		10.0000
Barium, Total	ug/L	MW-41A	05/27/2026		105.0000		451.0000
Beryllium, Total	ug/L	MW-41A	05/27/2026	ND	4.0000		4.0000
Cadmium, Total	ug/L	MW-41A	05/27/2026	ND	5.0000		5.0000
Chromium, Total	ug/L	MW-41A	05/27/2026	ND	10.0000		13.0000
Cobalt, Total	ug/L	MW-41A	05/27/2026		3.4700		11.0000
Copper, Total	ug/L	MW-41A	05/27/2026	ND	10.0000		15.0000
Lead, Total	ug/L	MW-41A	05/27/2026	ND	10.0000		10.0000
Nickel, Total	ug/L	MW-41A	05/27/2026	ND	10.0000		21.0000
Selenium, Total	ug/L	MW-41A	05/27/2026	ND	10.0000		25.0000
Silver, Total	ug/L	MW-41A	05/27/2026	ND	10.0000		10.0000
Thallium, Total	ug/L	MW-41A	05/27/2026	ND	2.0000		2.0000
Vanadium, Total	ug/L	MW-41A	05/27/2026	ND	20.0000		33.0000
Zinc, Total	ug/L	MW-41A	05/27/2026	ND	50.0000		32.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, Total	0	123	0.000	0	310	0.000
Arsenic, Total	0	123	0.000	27	310	0.087
Barium, Total	123	123	1.000	309	309	1.000
Beryllium, Total	0	123	0.000	0	309	0.000
Cadmium, Total	0	123	0.000	0	310	0.000
Chromium, Total	1	122	0.008	3	314	0.010
Cobalt, Total	8	123	0.065	52	309	0.168
Copper, Total	2	122	0.016	4	307	0.013
Lead, Total	0	123	0.000	2	308	0.006
Nickel, Total	3	121	0.025	145	307	0.472
Selenium, Total	5	119	0.042	1	310	0.003
Silver, Total	0	123	0.000	0	310	0.000
Thallium, Total	0	123	0.000	1	311	0.003
Vanadium, Total	1	122	0.008	2	307	0.007
Zinc, Total	2	122	0.016	3	307	0.010

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, Total	0	123	0.000									nonpar
Arsenic, Total	0	123	0.000									nonpar
Barium, Total	123	123	1.000	7.045	5.461					2.326	non-norm	nonpar
Beryllium, Total	0	123	0.000									nonpar
Cadmium, Total	0	123	0.000									nonpar
Chromium, Total	1	122	0.008									nonpar
Cobalt, Total	8	123	0.065	1.896	1.390					2.326	normal	nonpar
Copper, Total	2	122	0.016									nonpar
Lead, Total	0	123	0.000									nonpar
Nickel, Total	3	121	0.025									nonpar
Selenium, Total	5	119	0.042	0.700	0.762					2.326	normal	nonpar
Silver, Total	0	123	0.000									nonpar
Thallium, Total	0	123	0.000									nonpar
Vanadium, Total	1	122	0.008									nonpar
Zinc, Total	2	122	0.016									nonpar

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, Total	ug/L	0	123					6.0000	nonpar	***	0.99
Arsenic, Total	ug/L	0	123					10.0000	nonpar	***	0.99
Barium, Total	ug/L	123	123					451.0000	nonpar		0.99
Beryllium, Total	ug/L	0	123					4.0000	nonpar	***	0.99
Cadmium, Total	ug/L	0	123					5.0000	nonpar	***	0.99
Chromium, Total	ug/L	1	122					13.0000	nonpar		0.99
Cobalt, Total	ug/L	8	123					11.0000	nonpar		0.99
Copper, Total	ug/L	2	122					15.0000	nonpar		0.99
Lead, Total	ug/L	0	123					10.0000	nonpar	***	0.99
Nickel, Total	ug/L	3	121					21.0000	nonpar		0.99
Selenium, Total	ug/L	5	119					25.0000	nonpar		0.99
Silver, Total	ug/L	0	123					10.0000	nonpar	***	0.99
Thallium, Total	ug/L	0	123					2.0000	nonpar	***	0.99
Vanadium, Total	ug/L	1	122					33.0000	nonpar		0.99
Zinc, Total	ug/L	2	122					32.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Selenium, Total	ug/L	MW-11A	11/18/2015	44.0000		04/13/2010-05/27/2026	29	0.4617
Nickel, Total	ug/L	MW-36A	05/12/2025	71.3000		04/13/2010-05/12/2025	28	0.4676
Selenium, Total	ug/L	MW-36A	06/16/2016	46.0000		04/13/2010-05/12/2025	28	0.4744
Selenium, Total	ug/L	MW-36A	05/30/2017	38.0000		04/13/2010-05/12/2025	28	0.4744

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, Total	ug/L	MW-19A	04/24/2008		18.0000		21.0000
Nickel, Total	ug/L	MW-19A	05/21/2008		15.0000		21.0000
Nickel, Total	ug/L	MW-19A	06/18/2008		14.0000		21.0000
Nickel, Total	ug/L	MW-19A	08/13/2008		12.0000		21.0000
Nickel, Total	ug/L	MW-19A	09/24/2008		12.0000		21.0000
Nickel, Total	ug/L	MW-19A	04/27/2009		12.1000		21.0000
Nickel, Total	ug/L	MW-19A	10/26/2009		21.5000	*	21.0000
Nickel, Total	ug/L	MW-19A	12/17/2009		12.1000		21.0000
Nickel, Total	ug/L	MW-19A	04/13/2010		12.5000		21.0000
Nickel, Total	ug/L	MW-19A	07/09/2010		14.1000		21.0000
Nickel, Total	ug/L	MW-19A	10/18/2010		12.4000		21.0000
Nickel, Total	ug/L	MW-19A	05/09/2011		14.0000		21.0000
Nickel, Total	ug/L	MW-19A	10/19/2011		14.0000		21.0000
Nickel, Total	ug/L	MW-19A	04/24/2012		13.0000		21.0000
Nickel, Total	ug/L	MW-19A	10/25/2012		12.0000		21.0000
Nickel, Total	ug/L	MW-19A	05/07/2013		11.0000		21.0000
Nickel, Total	ug/L	MW-19A	11/11/2013		11.0000		21.0000
Nickel, Total	ug/L	MW-19A	05/13/2014		13.0000		21.0000
Nickel, Total	ug/L	MW-19A	11/12/2014		13.0000		21.0000
Nickel, Total	ug/L	MW-19A	05/27/2015		11.0000		21.0000
Nickel, Total	ug/L	MW-19A	11/18/2015	ND	10.0000		21.0000
Nickel, Total	ug/L	MW-19A	06/16/2016		14.0000		21.0000
Nickel, Total	ug/L	MW-19A	11/16/2016		15.0000		21.0000
Nickel, Total	ug/L	MW-19A	05/30/2017		16.0000		21.0000
Nickel, Total	ug/L	MW-19A	11/21/2017		13.0000		21.0000
Nickel, Total	ug/L	MW-19A	05/31/2018		15.0000		21.0000
Nickel, Total	ug/L	MW-19A	10/31/2018		19.0000		21.0000
Nickel, Total	ug/L	MW-19A	05/28/2019		16.0000		21.0000
Nickel, Total	ug/L	MW-19A	10/15/2019		21.0000		21.0000
Nickel, Total	ug/L	MW-19A	06/03/2020		22.1000	*	21.0000
Nickel, Total	ug/L	MW-19A	10/07/2020		23.3000	*	21.0000
Nickel, Total	ug/L	MW-19A	05/03/2021		18.1000		21.0000
Nickel, Total	ug/L	MW-19A	11/09/2021		17.7000		21.0000
Nickel, Total	ug/L	MW-19A	05/17/2022		20.4000		21.0000
Nickel, Total	ug/L	MW-19A	10/17/2022		26.1000	*	21.0000
Nickel, Total	ug/L	MW-19A	05/22/2023		18.3000		21.0000
Nickel, Total	ug/L	MW-19A	10/05/2023		30.2000	*	21.0000
Nickel, Total	ug/L	MW-19A	05/20/2024		26.1000	*	21.0000
Nickel, Total	ug/L	MW-19A	10/02/2024		25.1000	*	21.0000
Nickel, Total	ug/L	MW-19A	05/12/2025		38.6000	*	21.0000
Nickel, Total	ug/L	MW-19A	10/14/2025		33.5000	*	21.0000
Nickel, Total	ug/L	MW-19A	05/27/2026		27.3000	*	21.0000
Arsenic, Total	ug/L	MW-23A	04/27/2009	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/26/2009	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	12/17/2009	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	04/13/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/18/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	06/21/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	07/09/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	08/18/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/18/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/09/2011	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/19/2011	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	04/24/2012	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/25/2012		110.0000	***	10.0000
Arsenic, Total	ug/L	MW-23A	05/07/2013	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	11/11/2013		37.0000	***	10.0000
Arsenic, Total	ug/L	MW-23A	05/13/2014	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	11/12/2014	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/27/2015	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	11/18/2015	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	06/16/2016	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	11/16/2016	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/30/2017	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	11/21/2017	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/31/2018	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/31/2018	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/28/2019	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/15/2019	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	06/03/2020	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/07/2020	ND	10.0000		10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-23A	05/03/2021	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	11/09/2021	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/17/2022	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/17/2022	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	06/08/2023	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/05/2023	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/20/2024	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	10/02/2024	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-23A	05/12/2025		10.8000	*	10.0000
Arsenic, Total	ug/L	MW-23A	07/09/2025		14.8000	*	10.0000
Arsenic, Total	ug/L	MW-23A	10/14/2025		12.2000	*	10.0000
Arsenic, Total	ug/L	MW-23A	05/27/2026		42.0000	*	10.0000
Barium, Total	ug/L	MW-23A	04/27/2009		125.0000		451.0000
Barium, Total	ug/L	MW-23A	10/26/2009		147.0000		451.0000
Barium, Total	ug/L	MW-23A	12/17/2009		143.0000		451.0000
Barium, Total	ug/L	MW-23A	04/13/2010		123.0000		451.0000
Barium, Total	ug/L	MW-23A	05/18/2010		128.0000		451.0000
Barium, Total	ug/L	MW-23A	06/21/2010		146.0000		451.0000
Barium, Total	ug/L	MW-23A	07/09/2010		150.0000		451.0000
Barium, Total	ug/L	MW-23A	08/18/2010		160.0000		451.0000
Barium, Total	ug/L	MW-23A	10/18/2010		166.0000		451.0000
Barium, Total	ug/L	MW-23A	05/09/2011		120.0000		451.0000
Barium, Total	ug/L	MW-23A	10/19/2011		190.0000		451.0000
Barium, Total	ug/L	MW-23A	04/24/2012		170.0000		451.0000
Barium, Total	ug/L	MW-23A	10/25/2012		1300.0000	***	451.0000
Barium, Total	ug/L	MW-23A	05/07/2013		170.0000		451.0000
Barium, Total	ug/L	MW-23A	11/11/2013		980.0000	***	451.0000
Barium, Total	ug/L	MW-23A	05/13/2014		150.0000		451.0000
Barium, Total	ug/L	MW-23A	11/12/2014		180.0000		451.0000
Barium, Total	ug/L	MW-23A	05/27/2015		230.0000		451.0000
Barium, Total	ug/L	MW-23A	11/18/2015		270.0000		451.0000
Barium, Total	ug/L	MW-23A	06/16/2016		290.0000		451.0000
Barium, Total	ug/L	MW-23A	11/16/2016		290.0000		451.0000
Barium, Total	ug/L	MW-23A	05/30/2017		320.0000		451.0000
Barium, Total	ug/L	MW-23A	11/21/2017		350.0000		451.0000
Barium, Total	ug/L	MW-23A	05/31/2018		660.0000	*	451.0000
Barium, Total	ug/L	MW-23A	10/31/2018		460.0000	*	451.0000
Barium, Total	ug/L	MW-23A	05/28/2019		1300.0000	*	451.0000
Barium, Total	ug/L	MW-23A	10/15/2019		620.0000	*	451.0000
Barium, Total	ug/L	MW-23A	06/03/2020		1020.0000	*	451.0000
Barium, Total	ug/L	MW-23A	10/07/2020		478.0000	*	451.0000
Barium, Total	ug/L	MW-23A	05/03/2021		1170.0000	*	451.0000
Barium, Total	ug/L	MW-23A	11/09/2021		1300.0000	*	451.0000
Barium, Total	ug/L	MW-23A	05/17/2022		1490.0000	*	451.0000
Barium, Total	ug/L	MW-23A	10/17/2022		1080.0000	*	451.0000
Barium, Total	ug/L	MW-23A	06/08/2023		2540.0000	*	451.0000
Barium, Total	ug/L	MW-23A	10/05/2023		1230.0000	*	451.0000
Barium, Total	ug/L	MW-23A	05/20/2024		2450.0000	*	451.0000
Barium, Total	ug/L	MW-23A	07/18/2024		1950.0000	*	451.0000
Barium, Total	ug/L	MW-23A	10/02/2024		1640.0000	*	451.0000
Barium, Total	ug/L	MW-23A	05/12/2025		1600.0000	*	451.0000
Barium, Total	ug/L	MW-23A	10/14/2025		1070.0000	*	451.0000
Barium, Total	ug/L	MW-23A	05/27/2026		1550.0000	*	451.0000
Arsenic, Total	ug/L	MW-37A	10/26/2009	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	11/23/2009	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	12/17/2009	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	04/13/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	05/18/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	06/21/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	07/09/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	08/18/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	10/18/2010	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	05/09/2011	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	10/19/2011	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	04/24/2012	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	10/25/2012	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	05/07/2013	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	11/11/2013	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	05/13/2014	ND	10.0000		10.0000
Arsenic, Total	ug/L	MW-37A	05/27/2015		12.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	11/18/2015	ND	10.0000		10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-37A	06/16/2016		16.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	11/16/2016		19.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/30/2017		17.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	11/21/2017		34.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/31/2018		29.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	10/31/2018		40.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/28/2019		35.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	10/15/2019		33.0000	*	10.0000
Arsenic, Total	ug/L	MW-37A	06/03/2020		44.6000	*	10.0000
Arsenic, Total	ug/L	MW-37A	10/07/2020		36.4000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/03/2021		56.2000	*	10.0000
Arsenic, Total	ug/L	MW-37A	11/09/2021		53.7000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/17/2022		46.1000	*	10.0000
Arsenic, Total	ug/L	MW-37A	10/17/2022		37.7000	*	10.0000
Arsenic, Total	ug/L	MW-37A	06/08/2023		35.8000	*	10.0000
Arsenic, Total	ug/L	MW-37A	10/05/2023		46.7000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/20/2024		44.7000	*	10.0000
Arsenic, Total	ug/L	MW-37A	10/02/2024		62.3000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/12/2025		53.4000	*	10.0000
Arsenic, Total	ug/L	MW-37A	10/14/2025		55.6000	*	10.0000
Arsenic, Total	ug/L	MW-37A	05/27/2026		51.0000	*	10.0000
Barium, Total	ug/L	MW-37A	10/26/2009		146.0000		451.0000
Barium, Total	ug/L	MW-37A	11/23/2009		146.0000		451.0000
Barium, Total	ug/L	MW-37A	12/17/2009		148.0000		451.0000
Barium, Total	ug/L	MW-37A	04/13/2010		108.0000		451.0000
Barium, Total	ug/L	MW-37A	05/18/2010		115.0000		451.0000
Barium, Total	ug/L	MW-37A	06/21/2010		128.0000		451.0000
Barium, Total	ug/L	MW-37A	07/09/2010		126.0000		451.0000
Barium, Total	ug/L	MW-37A	08/18/2010		134.0000		451.0000
Barium, Total	ug/L	MW-37A	10/18/2010		165.0000		451.0000
Barium, Total	ug/L	MW-37A	05/09/2011		190.0000		451.0000
Barium, Total	ug/L	MW-37A	10/19/2011		240.0000		451.0000
Barium, Total	ug/L	MW-37A	04/24/2012		240.0000		451.0000
Barium, Total	ug/L	MW-37A	10/25/2012		290.0000		451.0000
Barium, Total	ug/L	MW-37A	05/07/2013		290.0000		451.0000
Barium, Total	ug/L	MW-37A	11/11/2013		370.0000		451.0000
Barium, Total	ug/L	MW-37A	05/13/2014		320.0000		451.0000
Barium, Total	ug/L	MW-37A	05/27/2015		350.0000		451.0000
Barium, Total	ug/L	MW-37A	11/18/2015		400.0000		451.0000
Barium, Total	ug/L	MW-37A	06/16/2016		320.0000		451.0000
Barium, Total	ug/L	MW-37A	11/16/2016		370.0000		451.0000
Barium, Total	ug/L	MW-37A	05/30/2017		450.0000		451.0000
Barium, Total	ug/L	MW-37A	11/21/2017		540.0000	*	451.0000
Barium, Total	ug/L	MW-37A	05/31/2018		540.0000	*	451.0000
Barium, Total	ug/L	MW-37A	10/31/2018		640.0000	*	451.0000
Barium, Total	ug/L	MW-37A	05/28/2019		650.0000	*	451.0000
Barium, Total	ug/L	MW-37A	10/15/2019		680.0000	*	451.0000
Barium, Total	ug/L	MW-37A	06/03/2020		718.0000	*	451.0000
Barium, Total	ug/L	MW-37A	10/07/2020		756.0000	*	451.0000
Barium, Total	ug/L	MW-37A	05/03/2021		805.0000	*	451.0000
Barium, Total	ug/L	MW-37A	11/09/2021		914.0000	*	451.0000
Barium, Total	ug/L	MW-37A	05/17/2022		802.0000	*	451.0000
Barium, Total	ug/L	MW-37A	10/17/2022		871.0000	*	451.0000
Barium, Total	ug/L	MW-37A	06/08/2023		982.0000	*	451.0000
Barium, Total	ug/L	MW-37A	10/05/2023		1140.0000	*	451.0000
Barium, Total	ug/L	MW-37A	05/20/2024		1160.0000	*	451.0000
Barium, Total	ug/L	MW-37A	10/02/2024		1420.0000	*	451.0000
Barium, Total	ug/L	MW-37A	05/12/2025		1320.0000	*	451.0000
Barium, Total	ug/L	MW-37A	10/14/2025		1230.0000	*	451.0000
Barium, Total	ug/L	MW-37A	05/27/2026		1280.0000	*	451.0000
Cobalt, Total	ug/L	MW-37A	10/26/2009	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	11/23/2009	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	12/17/2009	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	04/13/2010	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	05/18/2010	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	06/21/2010	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	07/09/2010	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	08/18/2010	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	10/18/2010	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	05/09/2011	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	10/19/2011	ND	10.0000		11.0000

* - Significantly increased over background.
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ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Cobalt, Total	ug/L	MW-37A	04/24/2012	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	10/25/2012		11.0000		11.0000
Cobalt, Total	ug/L	MW-37A	05/07/2013	ND	10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	11/11/2013		16.0000	*	11.0000
Cobalt, Total	ug/L	MW-37A	05/13/2014		10.0000		11.0000
Cobalt, Total	ug/L	MW-37A	05/27/2015		11.0000		11.0000
Cobalt, Total	ug/L	MW-37A	11/18/2015		8.3000		11.0000
Cobalt, Total	ug/L	MW-37A	06/16/2016		7.8000		11.0000
Cobalt, Total	ug/L	MW-37A	11/16/2016		7.7000		11.0000
Cobalt, Total	ug/L	MW-37A	05/30/2017		6.8000		11.0000
Cobalt, Total	ug/L	MW-37A	11/21/2017		6.9000		11.0000
Cobalt, Total	ug/L	MW-37A	05/31/2018		7.3000		11.0000
Cobalt, Total	ug/L	MW-37A	10/31/2018		8.0000		11.0000
Cobalt, Total	ug/L	MW-37A	05/28/2019		7.0000		11.0000
Cobalt, Total	ug/L	MW-37A	10/15/2019		7.9000		11.0000
Cobalt, Total	ug/L	MW-37A	06/03/2020		9.1000		11.0000
Cobalt, Total	ug/L	MW-37A	10/07/2020		9.6600		11.0000
Cobalt, Total	ug/L	MW-37A	05/03/2021		10.6000		11.0000
Cobalt, Total	ug/L	MW-37A	11/09/2021		12.5000	*	11.0000
Cobalt, Total	ug/L	MW-37A	05/17/2022		14.0000	*	11.0000
Cobalt, Total	ug/L	MW-37A	10/17/2022		13.2000	*	11.0000
Cobalt, Total	ug/L	MW-37A	06/08/2023		16.0000	*	11.0000
Cobalt, Total	ug/L	MW-37A	10/05/2023		18.7000	*	11.0000
Cobalt, Total	ug/L	MW-37A	05/20/2024		18.4000	*	11.0000
Cobalt, Total	ug/L	MW-37A	10/02/2024		23.9000	*	11.0000
Cobalt, Total	ug/L	MW-37A	05/12/2025		23.0000	*	11.0000
Cobalt, Total	ug/L	MW-37A	10/14/2025		21.2000	*	11.0000
Cobalt, Total	ug/L	MW-37A	05/27/2026		22.1000	*	11.0000
Nickel, Total	ug/L	MW-37A	10/26/2009		40.8000	*	21.0000
Nickel, Total	ug/L	MW-37A	11/23/2009		39.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	12/17/2009		40.4000	*	21.0000
Nickel, Total	ug/L	MW-37A	04/13/2010		37.8000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/18/2010		35.9000	*	21.0000
Nickel, Total	ug/L	MW-37A	06/21/2010		37.8000	*	21.0000
Nickel, Total	ug/L	MW-37A	07/09/2010		36.9000	*	21.0000
Nickel, Total	ug/L	MW-37A	08/18/2010		40.7000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/18/2010		42.2000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/09/2011		38.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/19/2011		46.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	04/24/2012		48.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/25/2012		54.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/07/2013		66.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	11/11/2013		60.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/13/2014		64.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/27/2015		57.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	11/18/2015		100.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	06/16/2016		45.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	11/16/2016		48.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/30/2017		51.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	11/21/2017		51.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/31/2018		53.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/31/2018		63.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/28/2019		77.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/15/2019		75.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	06/03/2020		83.4000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/07/2020		101.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/03/2021		90.3000	*	21.0000
Nickel, Total	ug/L	MW-37A	11/09/2021		106.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/17/2022		102.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/17/2022		135.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	06/08/2023		131.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/05/2023		178.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/20/2024		181.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/02/2024		258.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/12/2025		278.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	10/14/2025		289.0000	*	21.0000
Nickel, Total	ug/L	MW-37A	05/27/2026		313.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/26/2009		28.4000	*	21.0000
Nickel, Total	ug/L	MW-38A	11/23/2009		31.1000	*	21.0000
Nickel, Total	ug/L	MW-38A	12/17/2009		35.1000	*	21.0000
Nickel, Total	ug/L	MW-38A	04/13/2010		27.8000	*	21.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

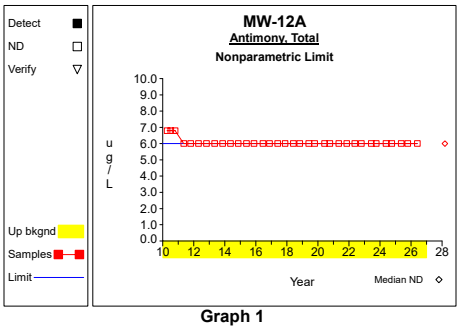
Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

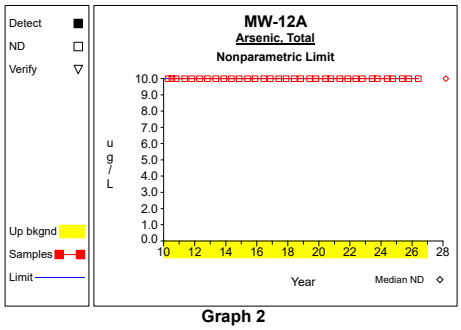
Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, Total	ug/L	MW-38A	05/18/2010		28.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	06/21/2010		28.2000	*	21.0000
Nickel, Total	ug/L	MW-38A	07/09/2010		26.9000	*	21.0000
Nickel, Total	ug/L	MW-38A	08/18/2010		32.6000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/18/2010		38.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/09/2011		26.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/19/2011		25.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	04/24/2012		27.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/25/2012		24.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/07/2013		25.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	11/11/2013		26.0000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/13/2014		19.0000		21.0000
Nickel, Total	ug/L	MW-38A	05/27/2015		19.0000		21.0000
Nickel, Total	ug/L	MW-38A	11/18/2015	ND	10.0000		21.0000
Nickel, Total	ug/L	MW-38A	06/16/2016		10.0000		21.0000
Nickel, Total	ug/L	MW-38A	11/16/2016		10.0000		21.0000
Nickel, Total	ug/L	MW-38A	05/30/2017		13.0000		21.0000
Nickel, Total	ug/L	MW-38A	11/21/2017		16.0000		21.0000
Nickel, Total	ug/L	MW-38A	05/31/2018		17.0000		21.0000
Nickel, Total	ug/L	MW-38A	10/31/2018		18.0000		21.0000
Nickel, Total	ug/L	MW-38A	05/28/2019		18.0000		21.0000
Nickel, Total	ug/L	MW-38A	10/15/2019		21.0000		21.0000
Nickel, Total	ug/L	MW-38A	06/03/2020		26.5000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/07/2020		30.9000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/03/2021		27.7000	*	21.0000
Nickel, Total	ug/L	MW-38A	11/09/2021		29.6000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/17/2022		30.6000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/17/2022		36.1000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/22/2023		25.7000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/23/2023		28.8000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/20/2024		39.1000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/02/2024		31.6000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/12/2025		31.7000	*	21.0000
Nickel, Total	ug/L	MW-38A	10/14/2025		31.5000	*	21.0000
Nickel, Total	ug/L	MW-38A	05/27/2026		36.3000	*	21.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

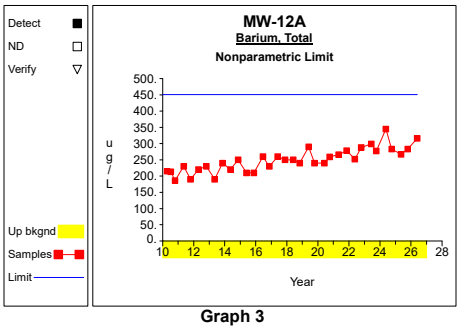
Up vs. Down Prediction Limits



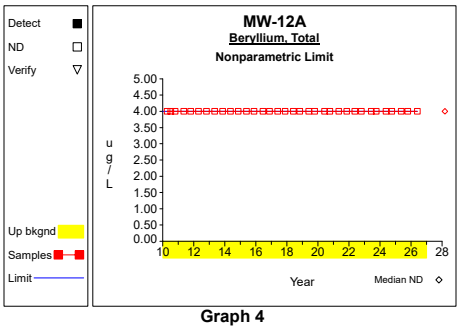
Graph 1



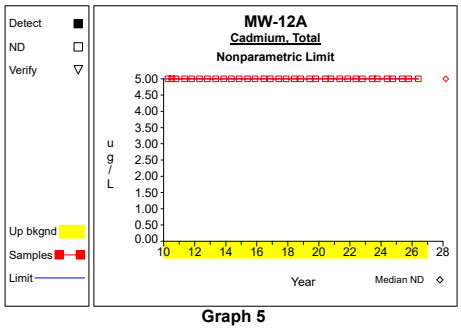
Graph 2



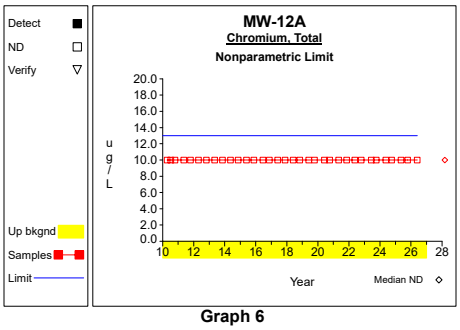
Graph 3



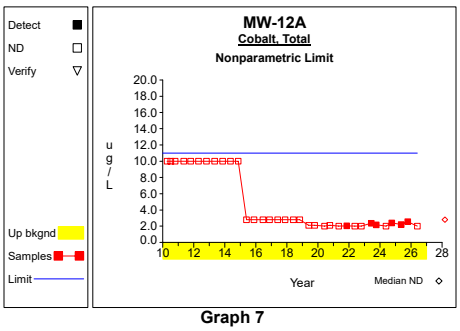
Graph 4



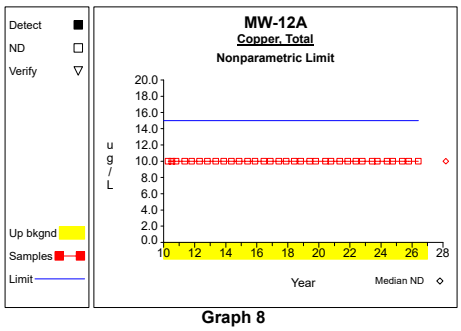
Graph 5



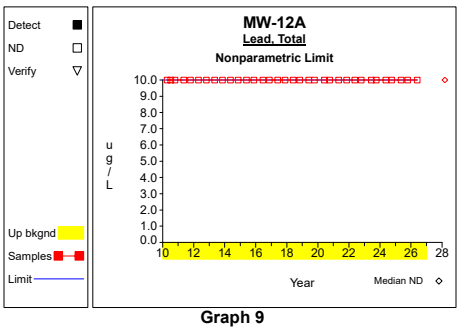
Graph 6



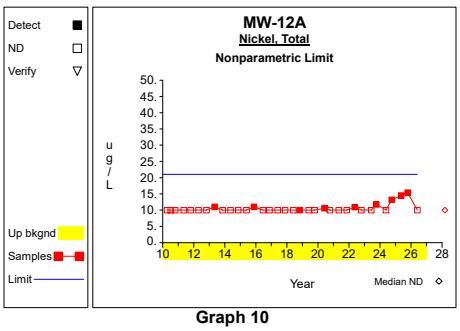
Graph 7



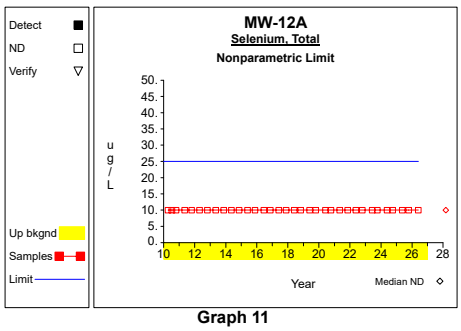
Graph 8



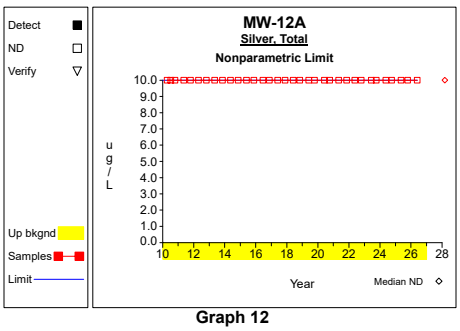
Graph 9



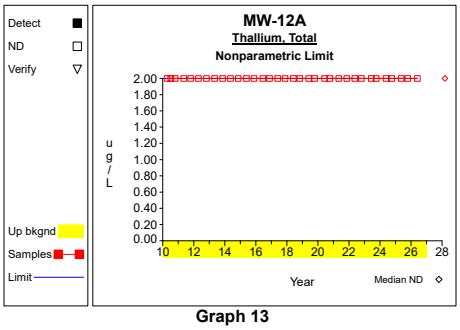
Graph 10



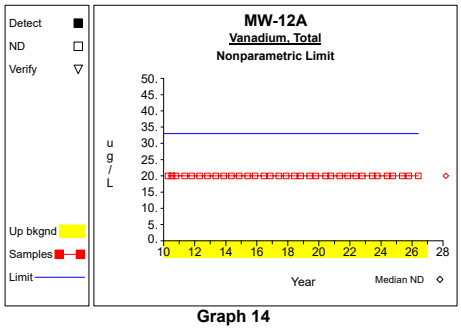
Graph 11



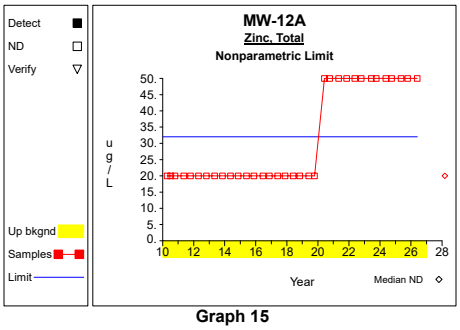
Graph 12



Graph 13



Graph 14



Graph 15

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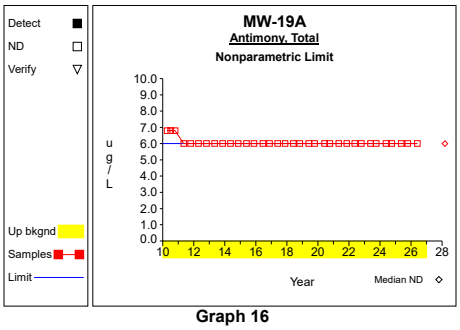
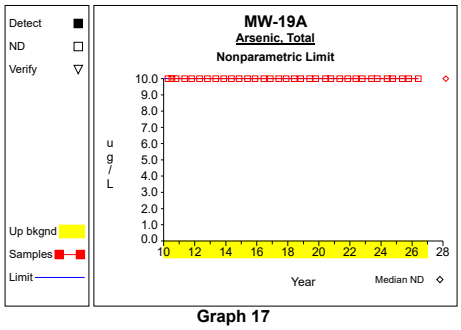
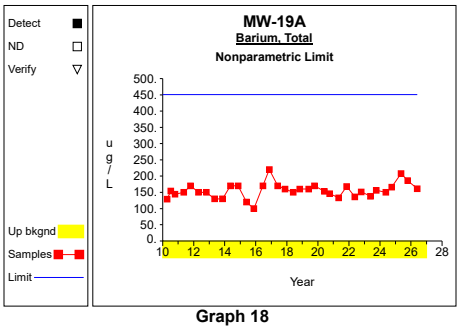
Up vs. Down Prediction Limits



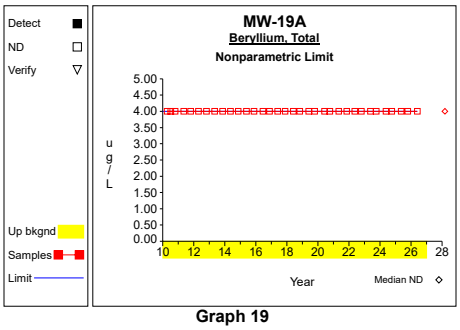
Graph 16



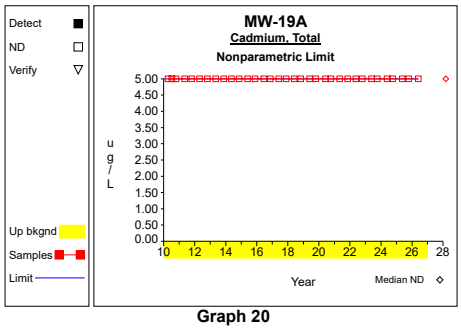
Graph 17



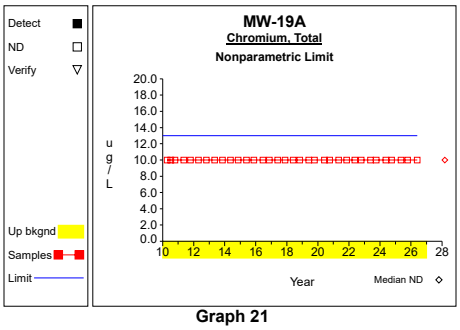
Graph 18



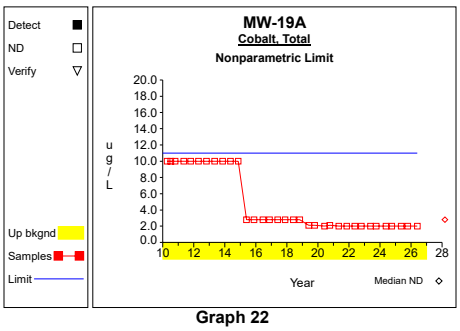
Graph 19



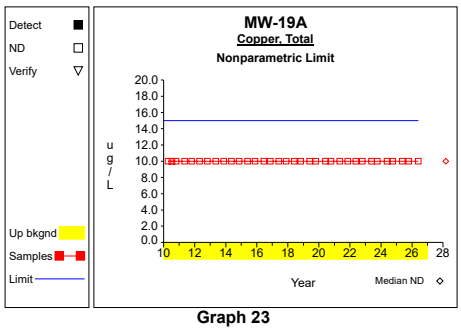
Graph 20



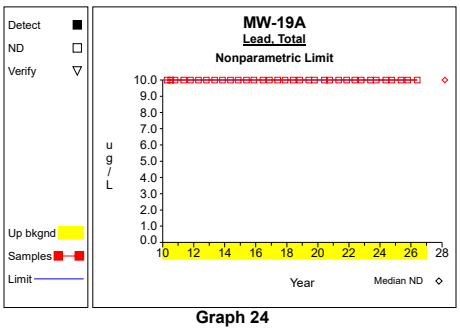
Graph 21



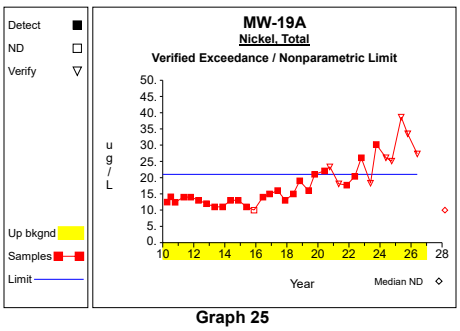
Graph 22



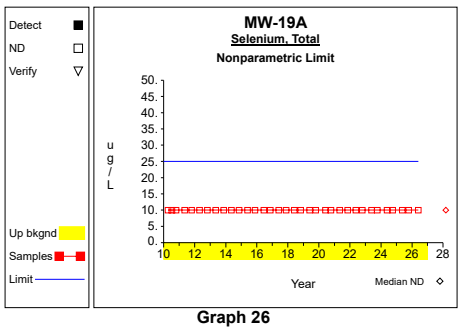
Graph 23



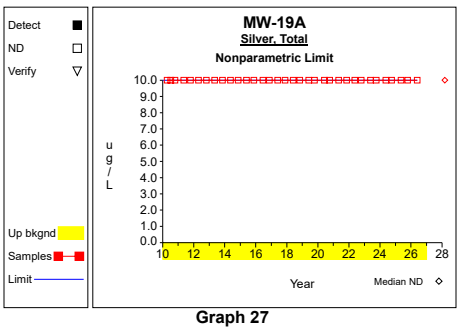
Graph 24



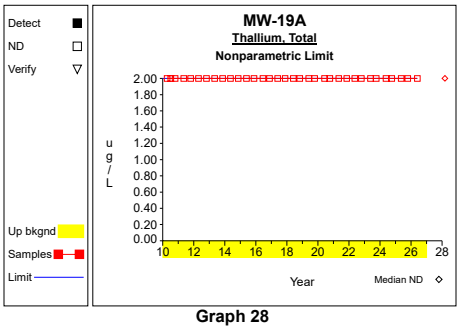
Graph 25



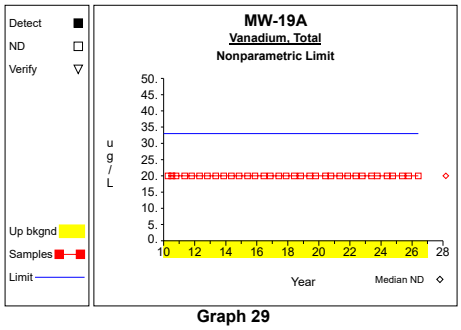
Graph 26



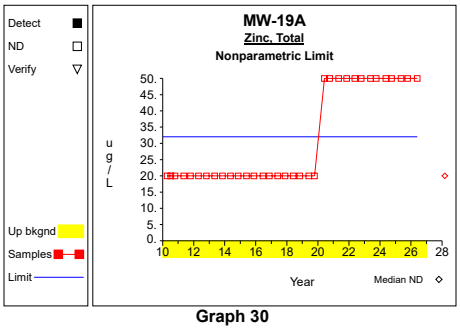
Graph 27



Graph 28



Graph 29



Graph 30

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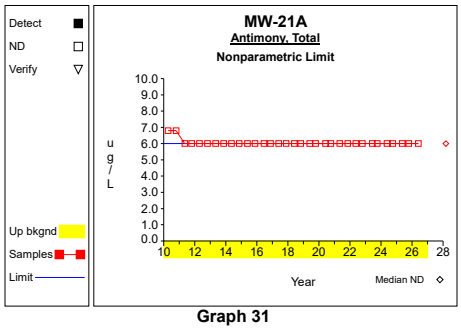
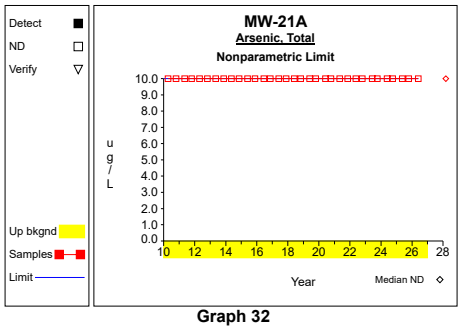
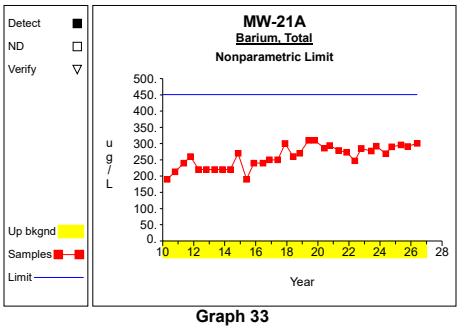
Up vs. Down Prediction Limits



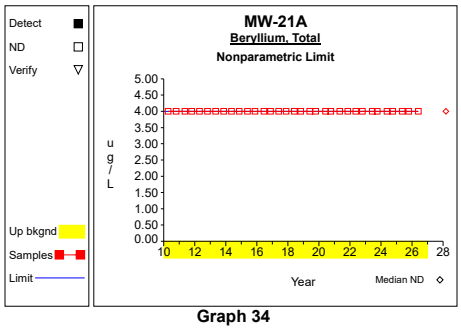
Graph 31



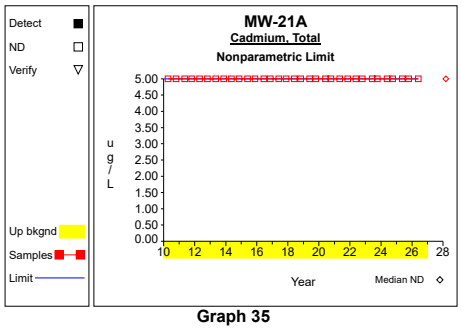
Graph 32



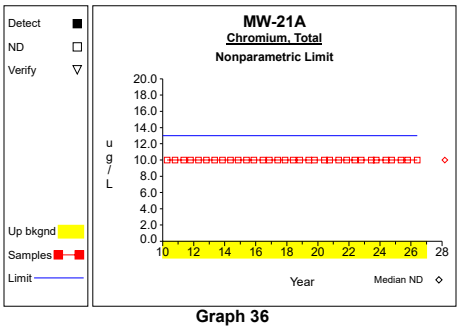
Graph 33



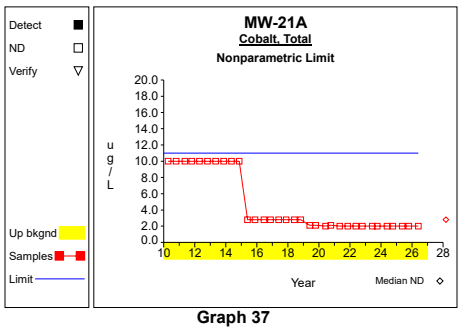
Graph 34



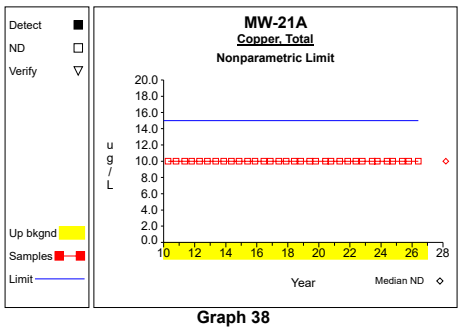
Graph 35



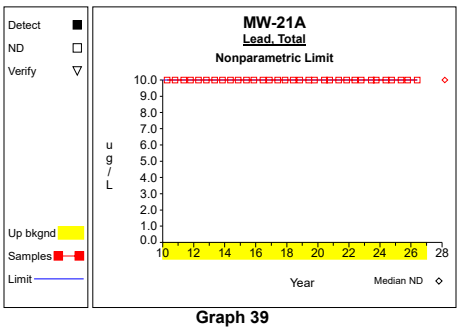
Graph 36



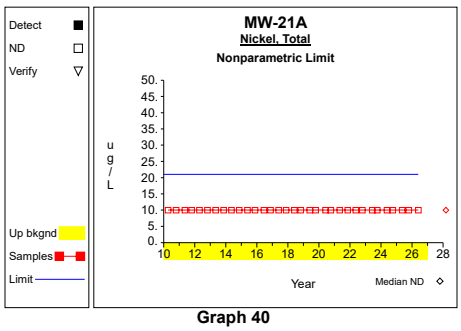
Graph 37



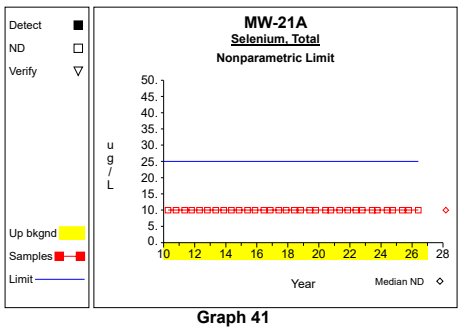
Graph 38



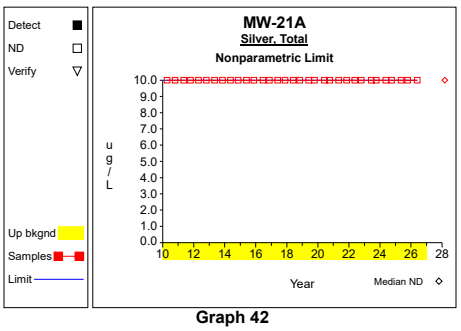
Graph 39



Graph 40



Graph 41



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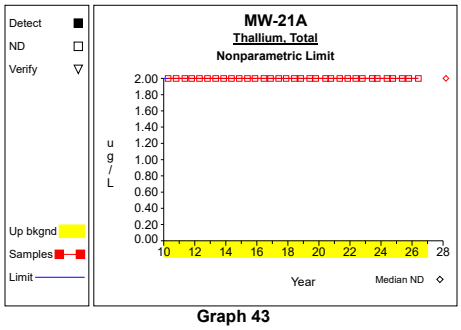
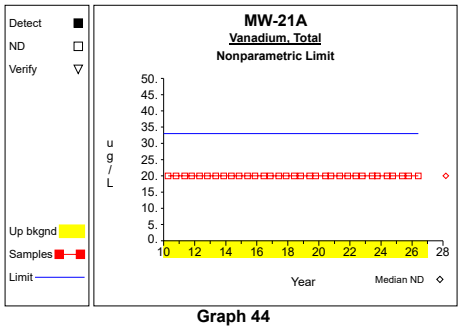
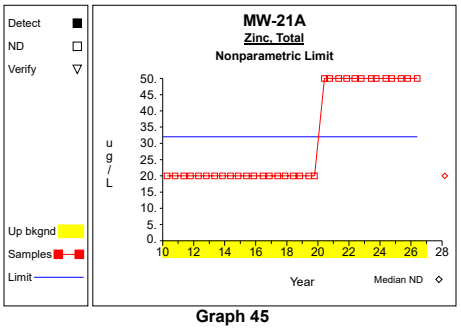


Graph 43



Graph 44



Graph 45

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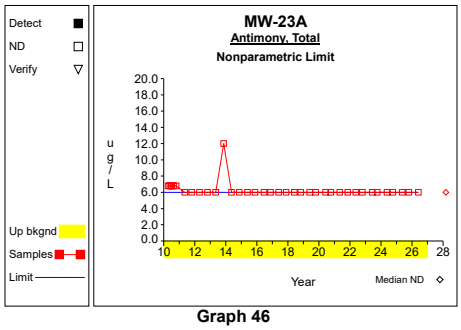
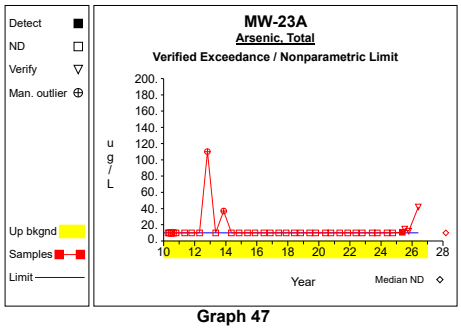
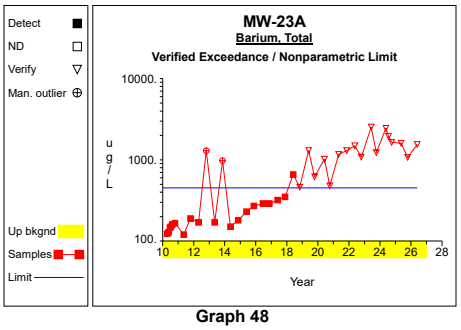
Up vs. Down Prediction Limits



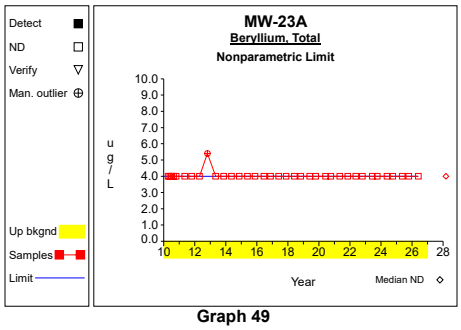
Graph 46



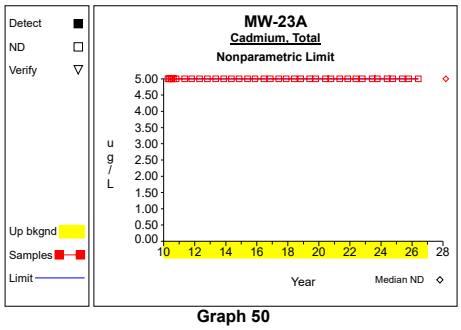
Graph 47



Graph 48



Graph 49



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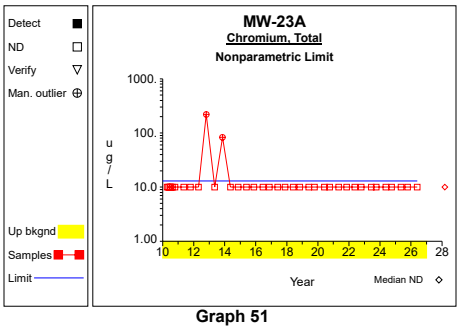

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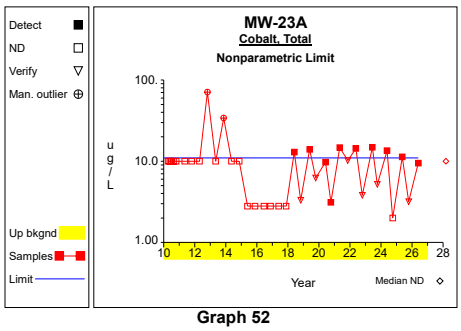

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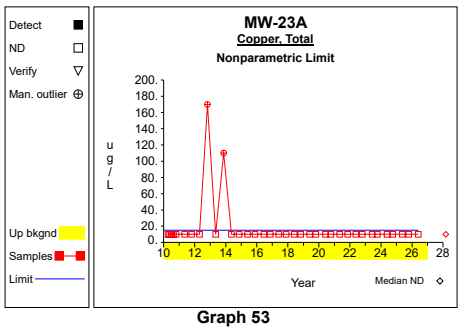

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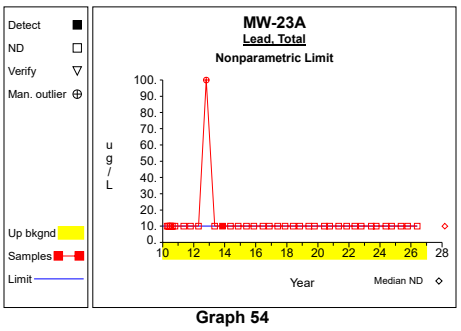
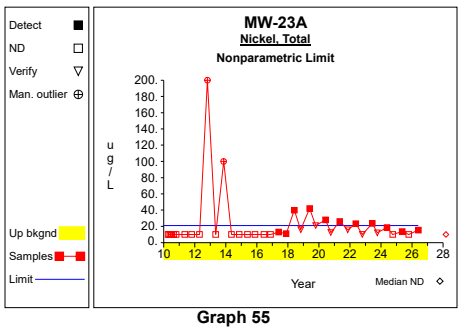
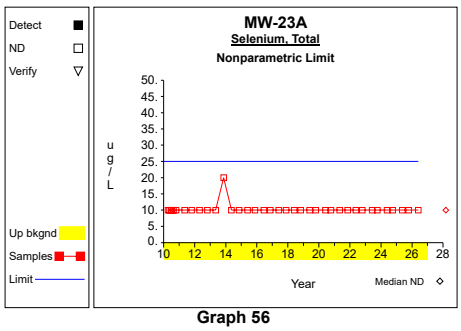


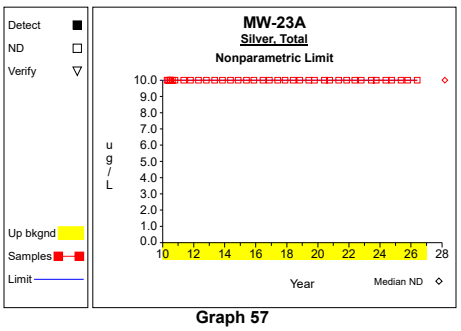
Graph 54



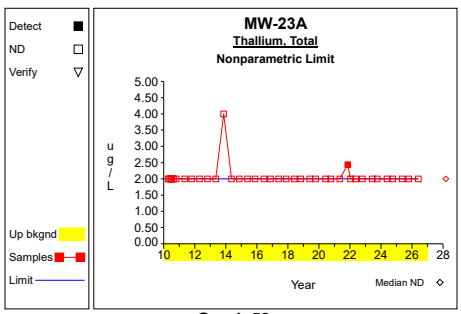
Graph 55



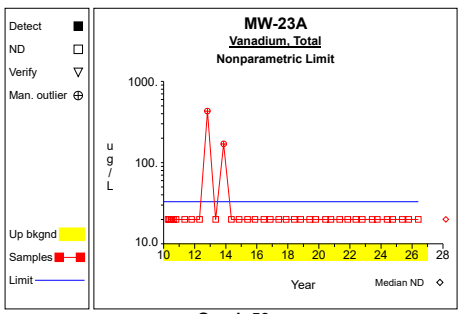
Graph 56



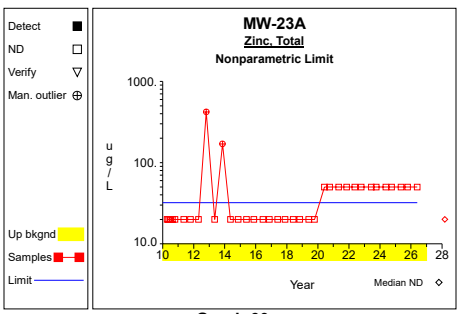
Graph 57



Graph 58



Graph 59



Graph 60

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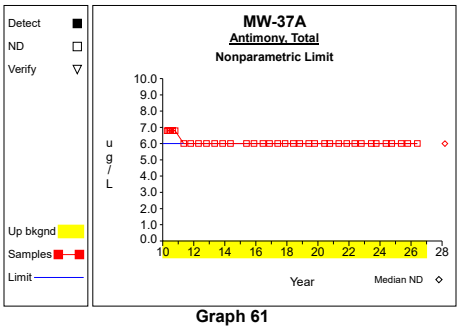
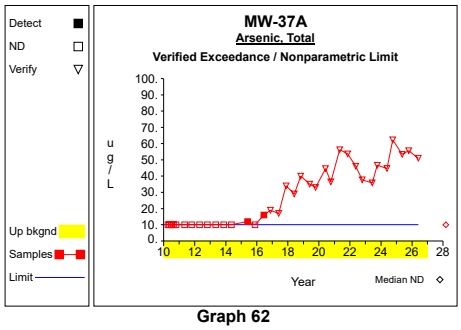
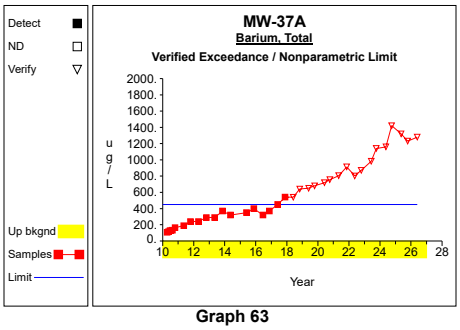
Up vs. Down Prediction Limits



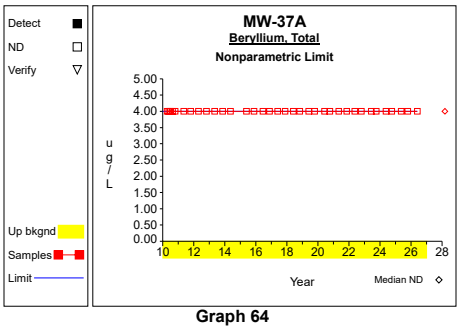
Graph 61



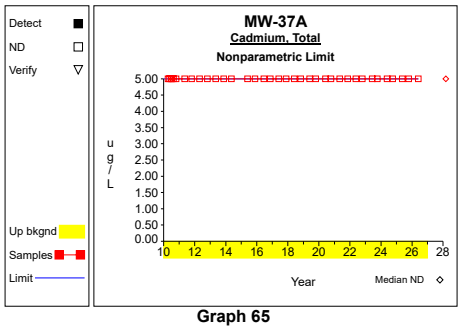
Graph 62



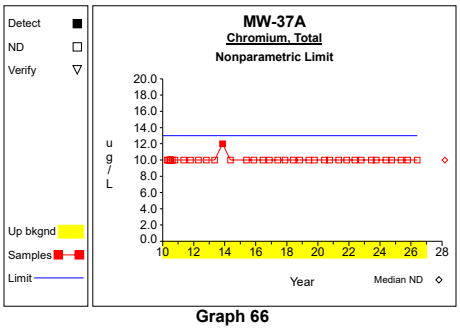
Graph 63



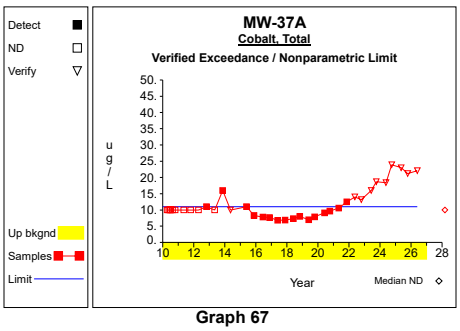
Graph 64



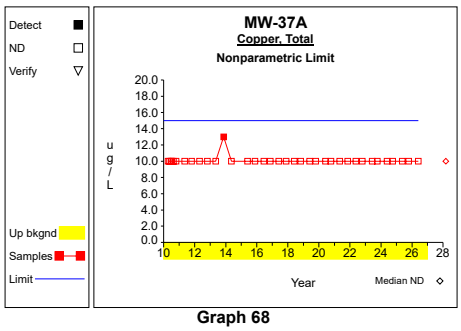
Graph 65



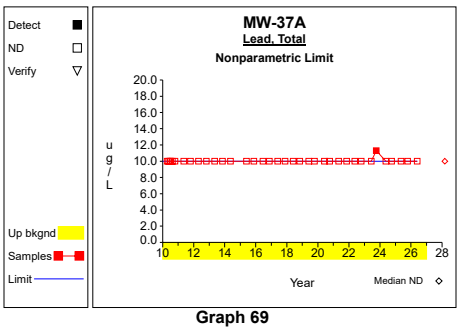
Graph 66



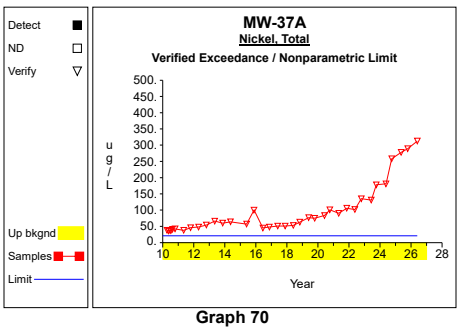
Graph 67



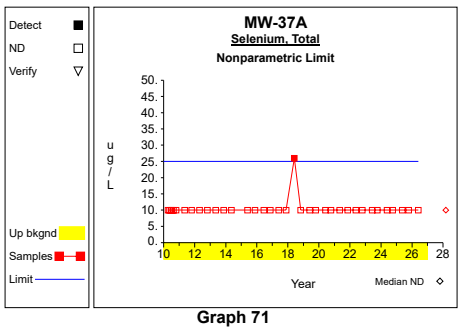
Graph 68



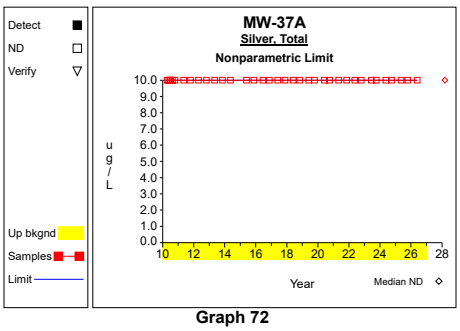
Graph 69



Graph 70



Graph 71



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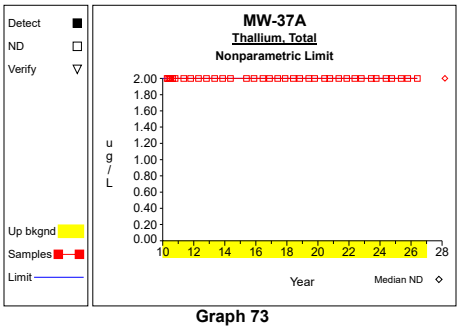

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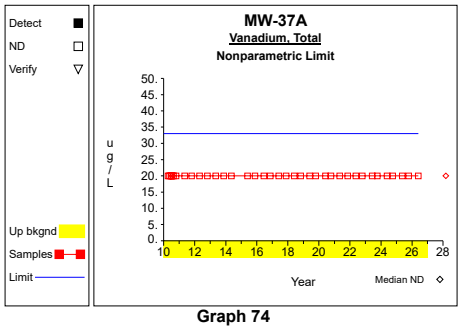
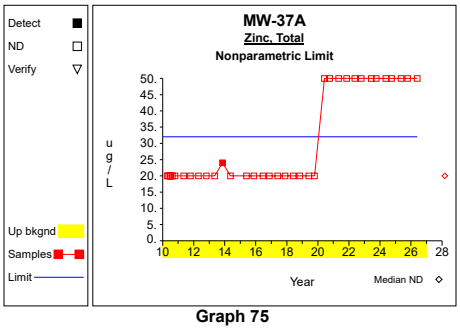


Graph 74



Graph 75

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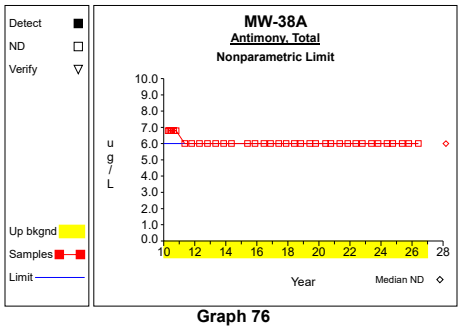
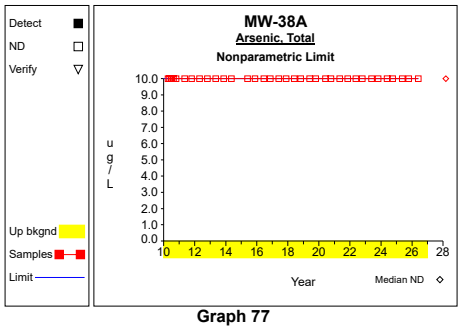
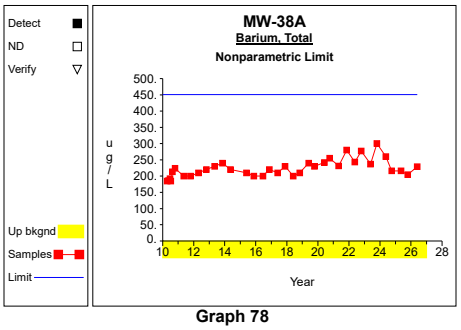
Up vs. Down Prediction Limits



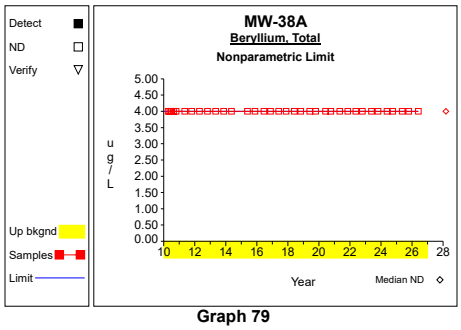
Graph 76



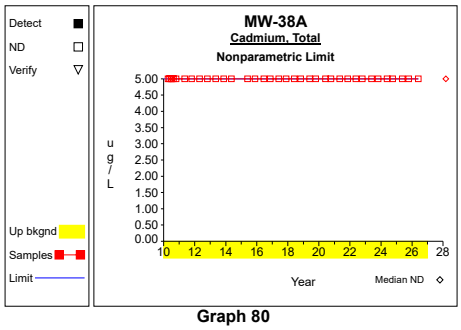
Graph 77



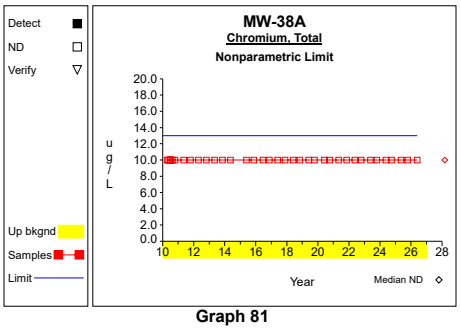
Graph 78



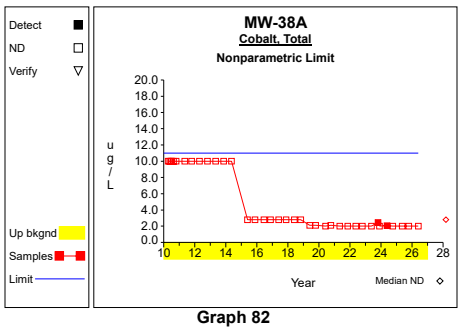
Graph 79



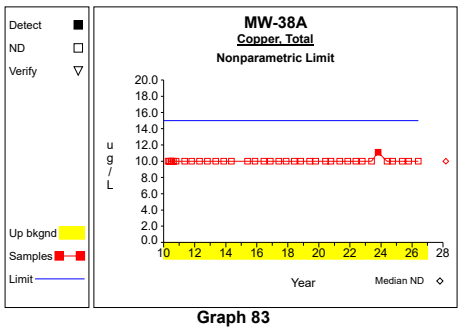
Graph 80



Graph 81



Graph 82



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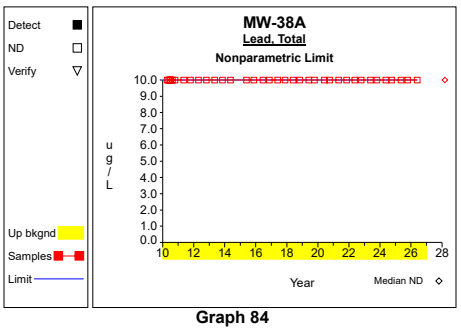
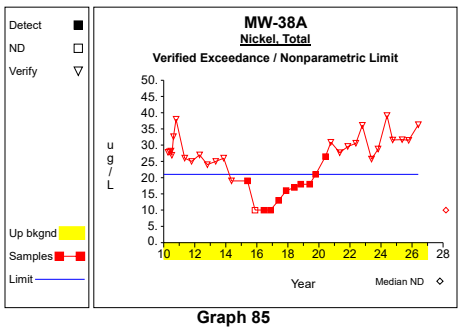
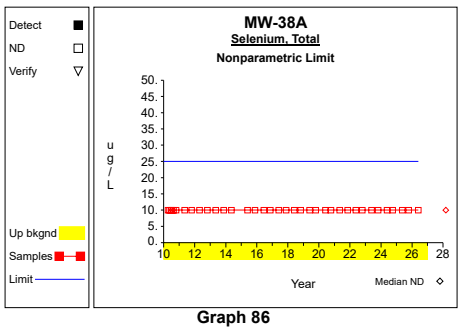


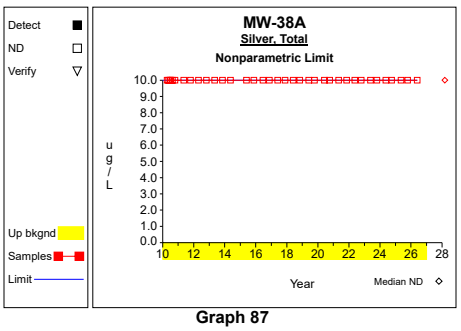
Graph 84



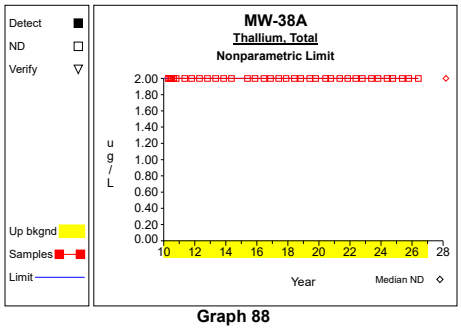
Graph 85



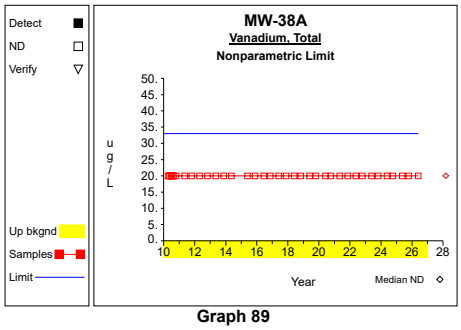
Graph 86



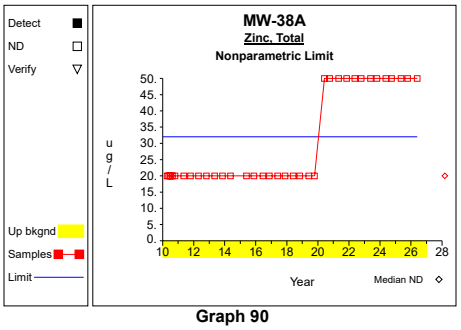
Graph 87



Graph 88



Graph 89



Graph 90

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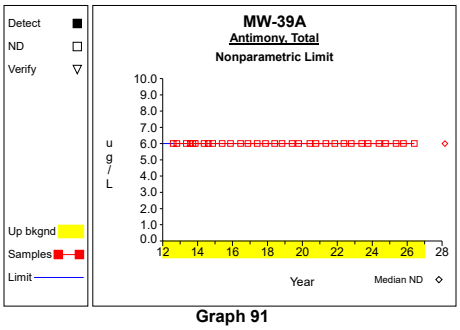
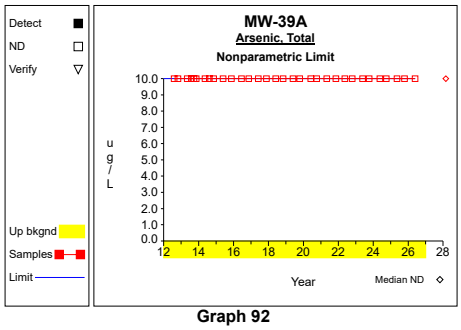
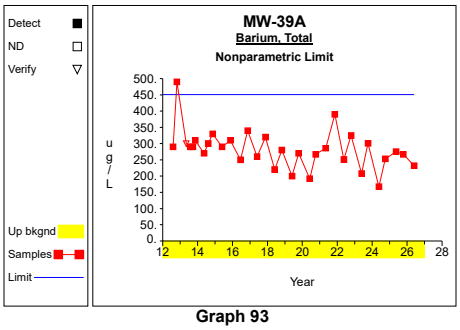
Up vs. Down Prediction Limits



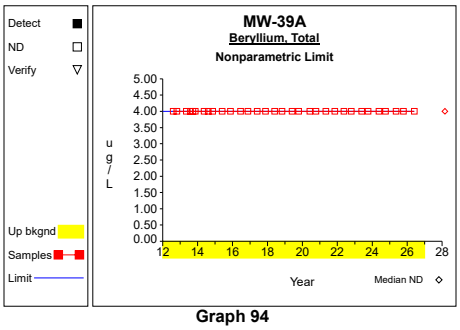
Graph 91



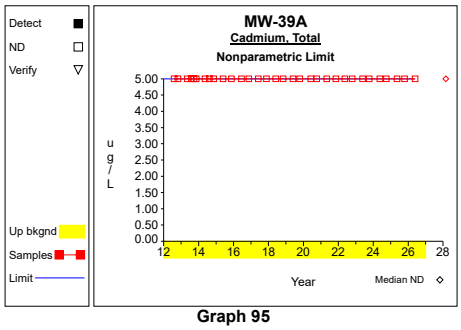
Graph 92



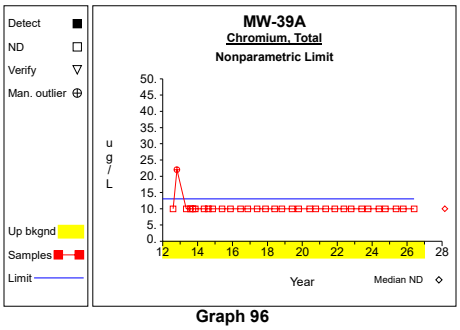
Graph 93



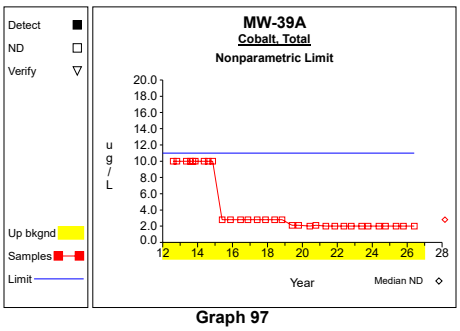
Graph 94



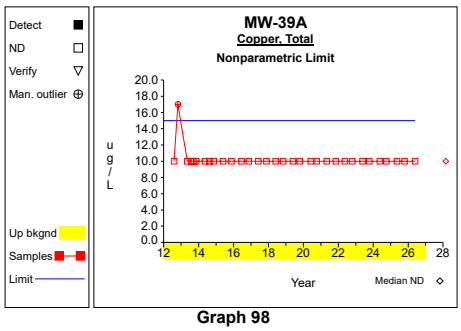
Graph 95



Graph 96



Graph 97



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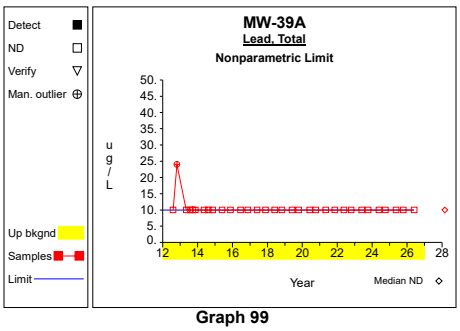

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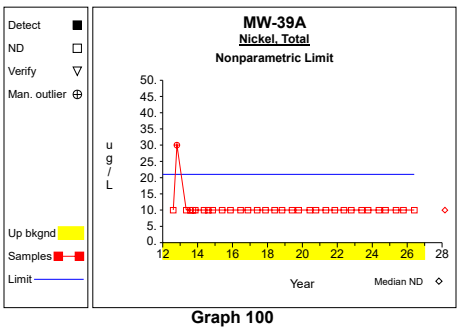

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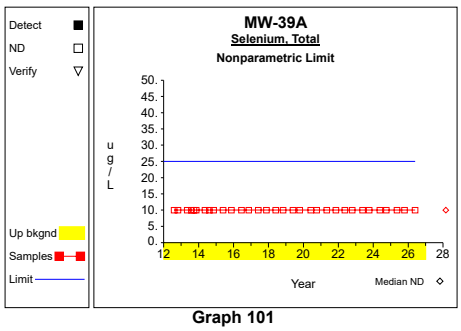

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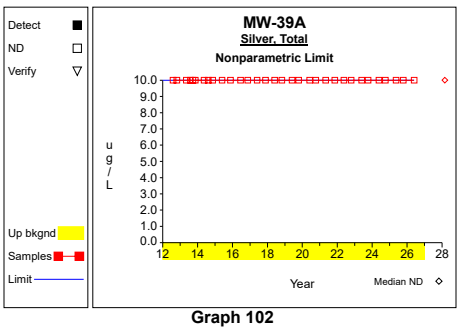

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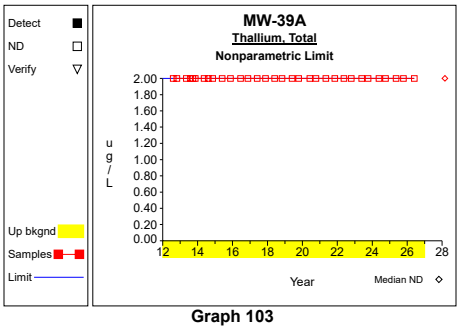
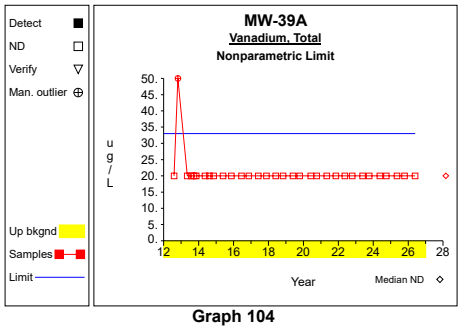


Graph 103



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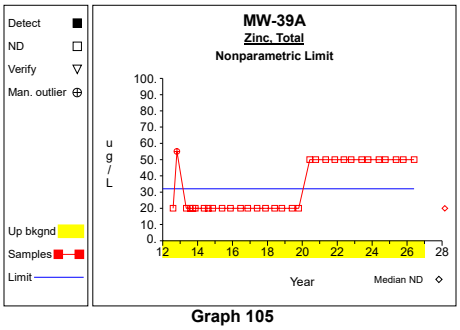

Graph 105

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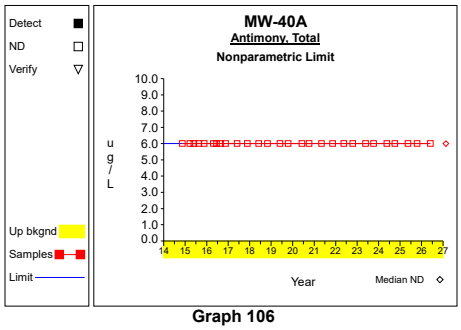
Up vs. Down Prediction Limits



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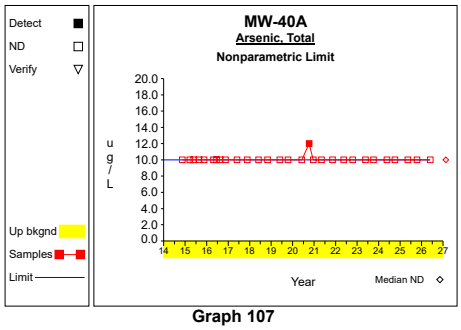

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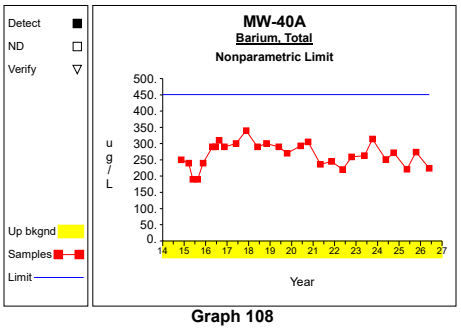
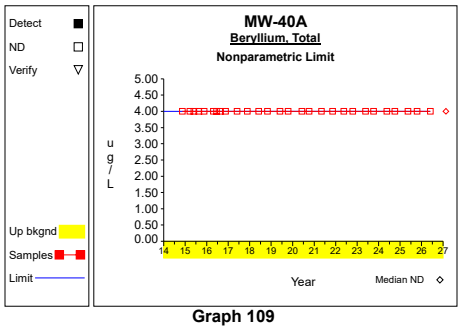


Graph 108



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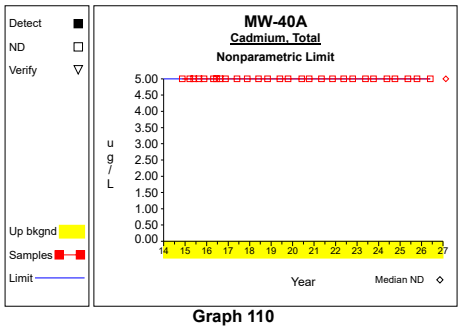

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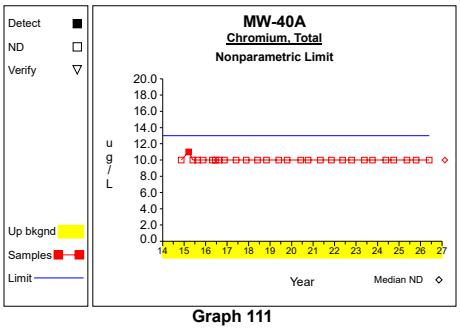

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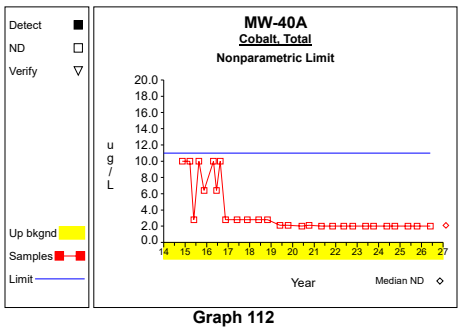
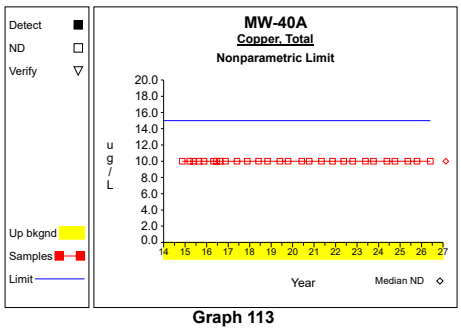


Graph 112



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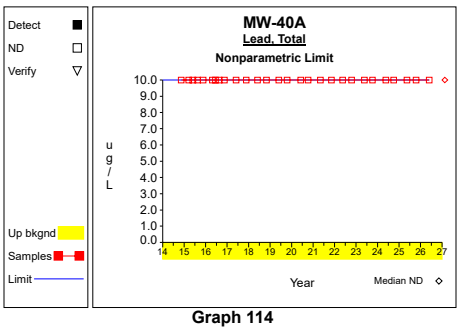
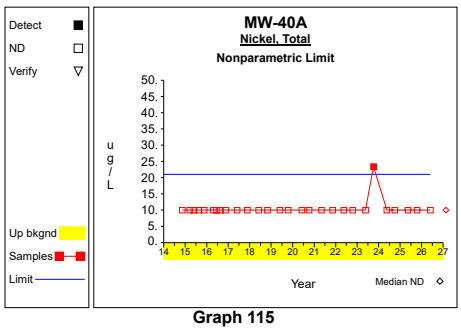
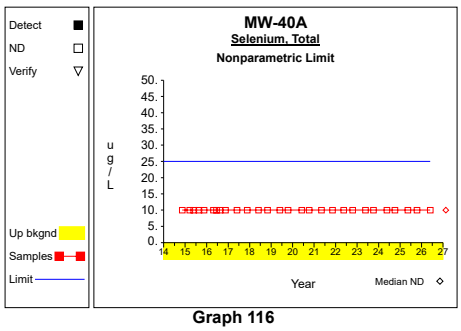


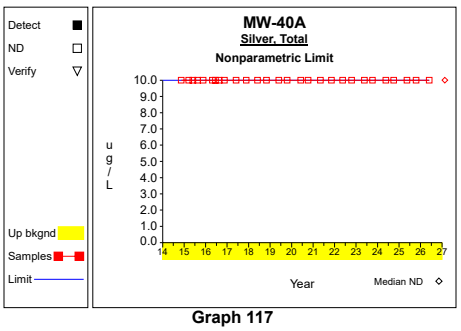
Graph 114



Graph 115



Graph 116



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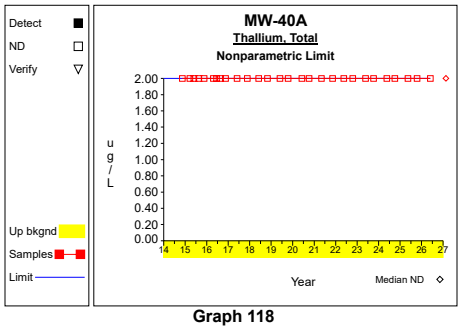
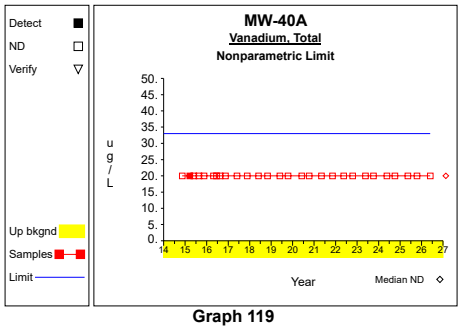
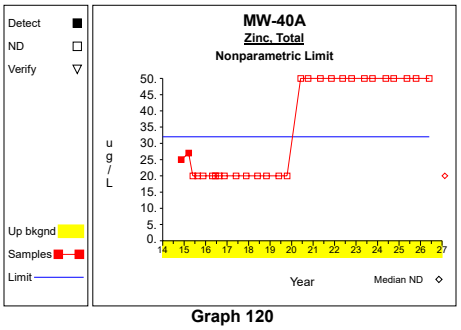


Graph 118



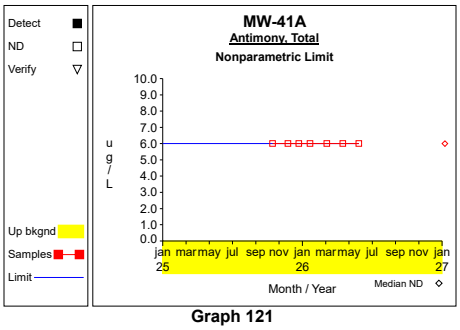
Graph 119



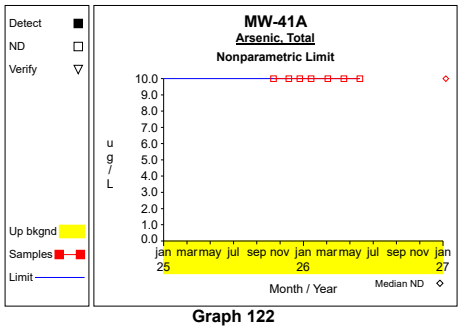
Graph 120

Prepared by: Otter Creek Environmental

Up vs. Down Prediction Limits



Graph 121



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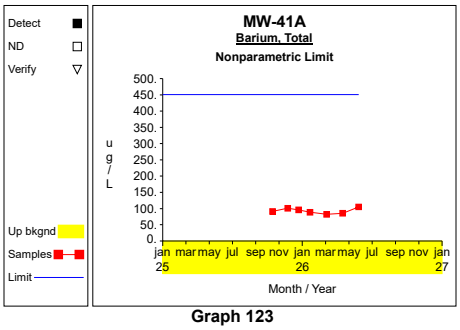
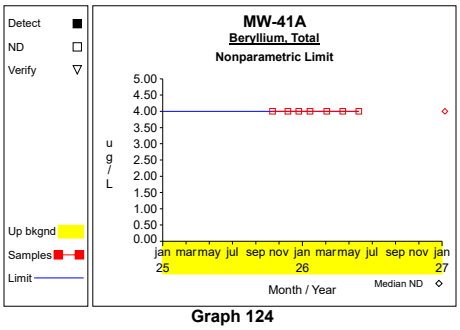
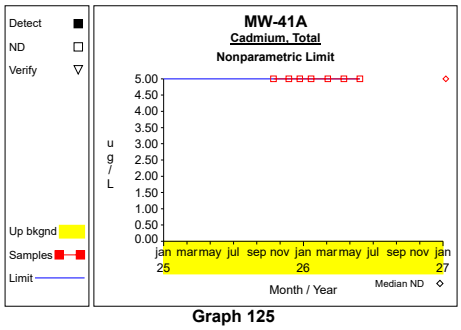


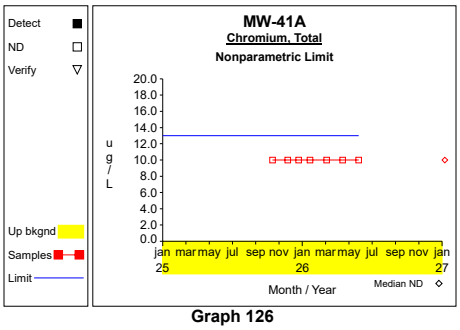
Graph 123



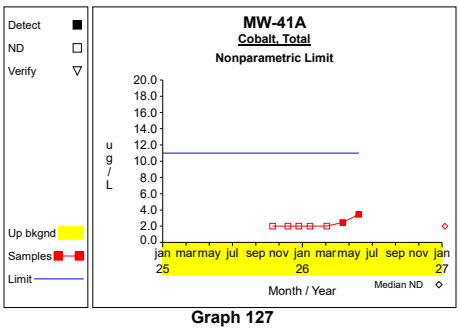
Graph 124



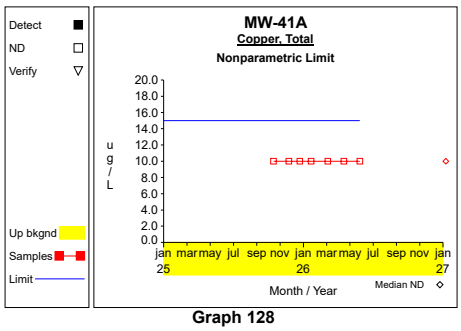
Graph 125



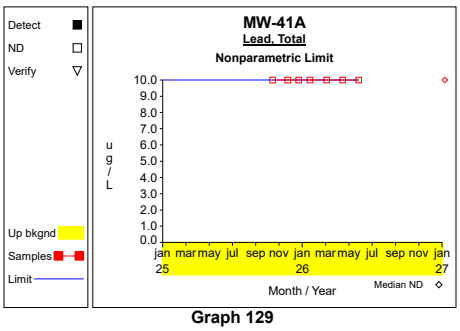
Graph 126



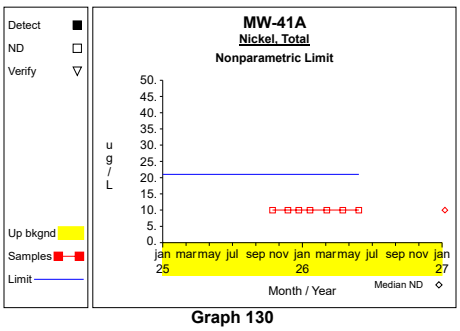
Graph 127



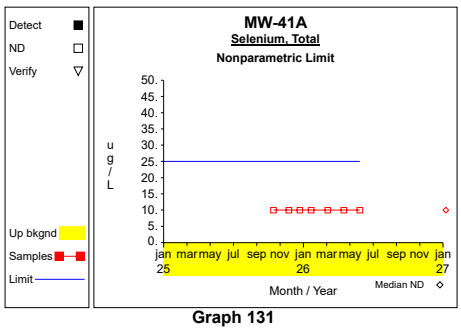
Graph 128



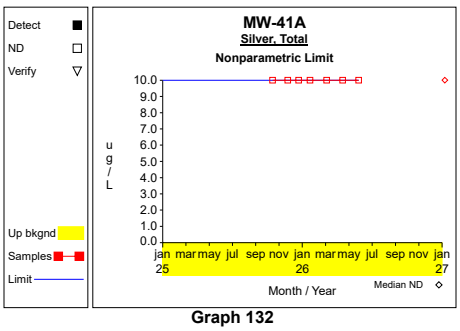
Graph 129



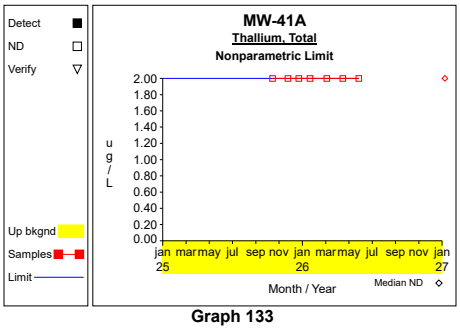
Graph 130



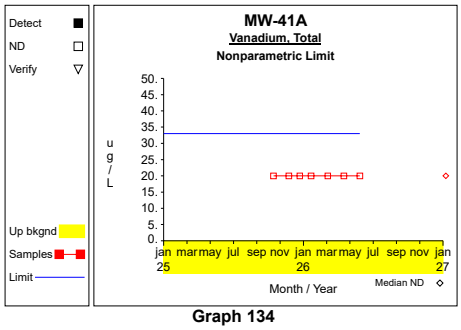
Graph 131



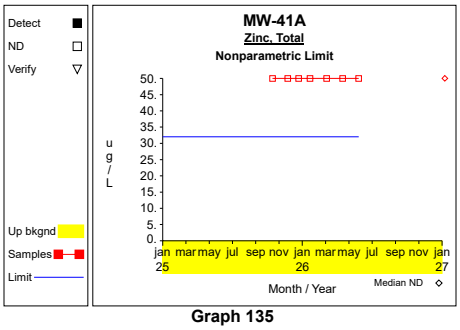
Graph 132



Graph 133



Graph 134

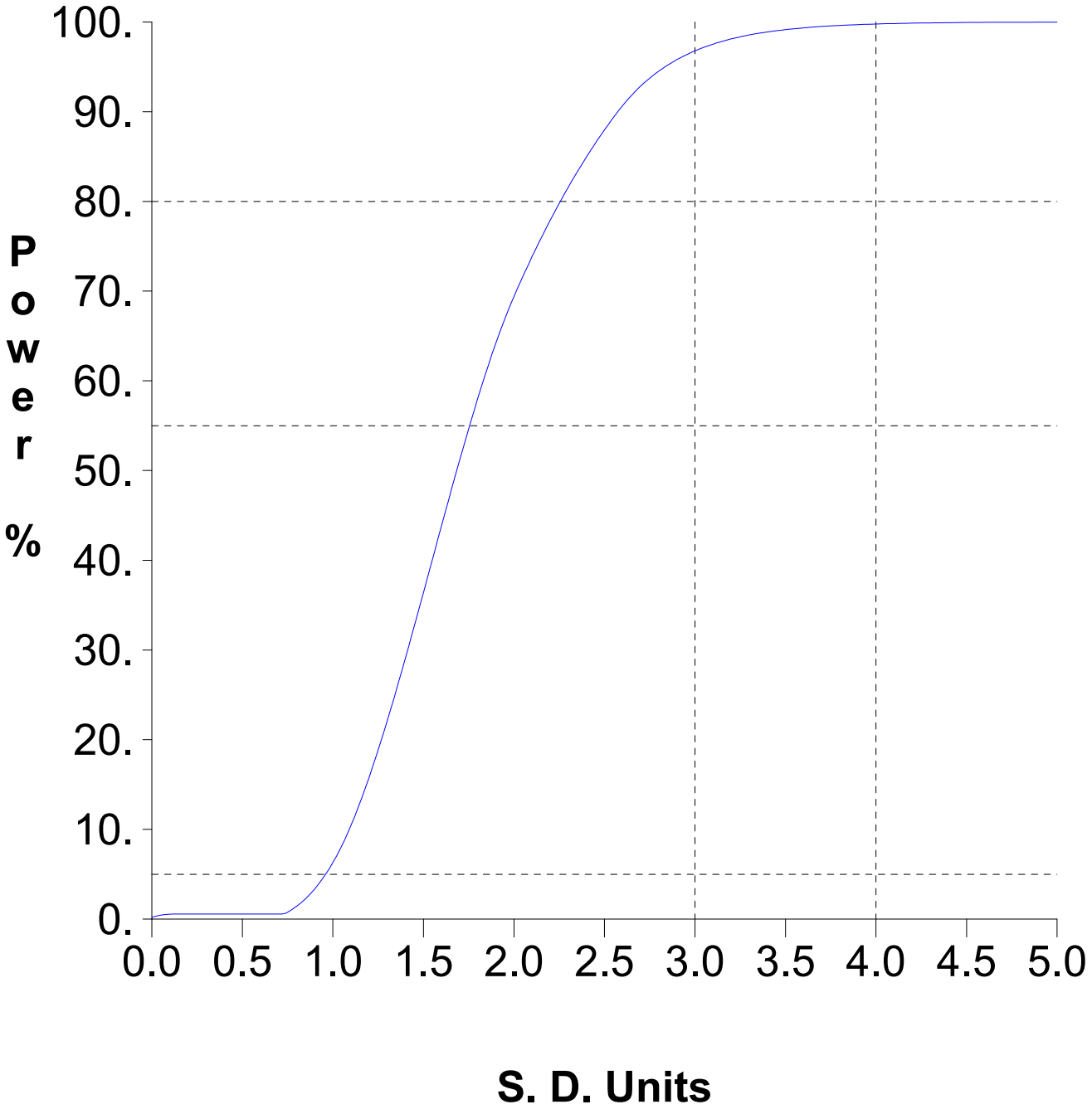


Graph 135

Prepared by: Otter Creek Environmental

False Positive and False Negative Rates for Current

Upgradient vs. Downgradient Monitoring Program



Worksheet 1 - Upgradient vs. Downgradient Comparisons
Antimony, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Arsenic, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Barium, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **451.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Beryllium, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Cadmium, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Chromium, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **13.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Cobalt, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **11.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Copper, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **15.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Lead, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Nickel, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **21.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Selenium, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **25.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Silver, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Thallium, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Vanadium, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **33.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons
Zinc, Total (ug/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **32.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Attachment C

95% LCLs for Verified Trace Metal Exceedances

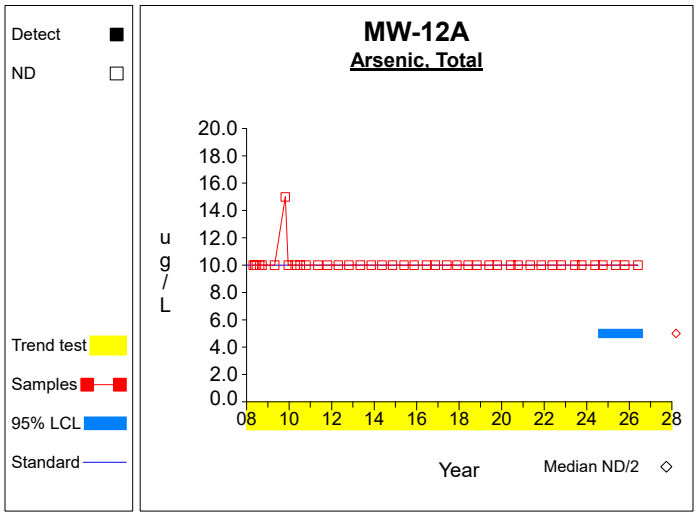
Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

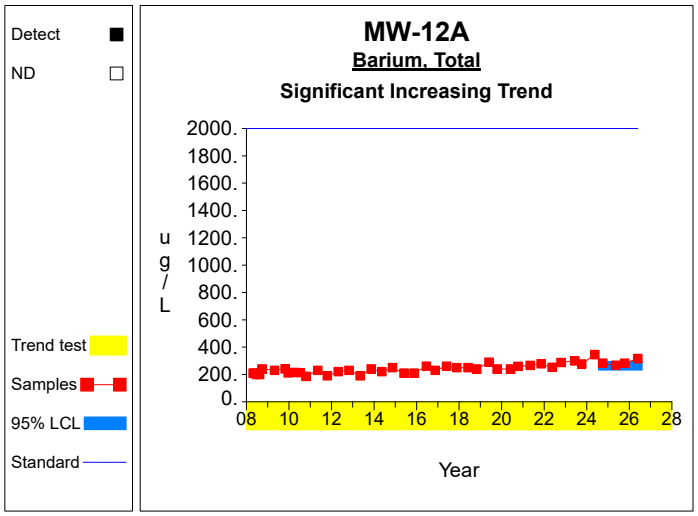
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, Total	ug/L	MW-12A	4	5.000	0.000	1.176	5.000	5.000	10.000		
Barium, Total	ug/L	MW-12A	4	287.250	20.597	1.176	263.022	311.478	2000.000	inc	
Cobalt, Total	ug/L	MW-12A	4	2.600	0.456	1.176	2.063	3.137	2.100		
Nickel, Total	ug/L	MW-12A	4	12.025	4.770	1.176	6.415	17.635	100.000		
Arsenic, Total	ug/L	MW-13A	4	5.000	0.000	1.176	5.000	5.000	10.000		
Barium, Total	ug/L	MW-13A	4	402.500	17.521	1.176	381.890	423.110	2000.000	inc	
Cobalt, Total	ug/L	MW-13A	4	1.643	0.485	1.176	1.072	2.213	2.100		
Nickel, Total	ug/L	MW-13A	4	5.000	0.000	1.176	5.000	5.000	100.000		
Arsenic, Total	ug/L	MW-19A	4	5.000	0.000	1.176	5.000	5.000	10.000		
Barium, Total	ug/L	MW-19A	4	180.250	21.422	1.176	155.051	205.449	2000.000		
Cobalt, Total	ug/L	MW-19A	4	1.400	0.000	1.176	1.400	1.400	2.100		
Nickel, Total	ug/L	MW-19A	4	31.125	6.122	1.176	23.923	38.327	100.000	inc	
Arsenic, Total	ug/L	MW-23A	4	19.950	14.793	1.176	2.549	37.351	10.000		
Barium, Total	ug/L	MW-23A	4	1465.000	265.895	1.176	1152.231	1777.769	2000.000	inc	
Cobalt, Total	ug/L	MW-23A	4	7.240	3.786	1.176	2.787	11.693	2.100		**
Nickel, Total	ug/L	MW-23A	4	9.775	5.568	1.176	3.225	16.325	100.000		
Arsenic, Total	ug/L	MW-37A	4	55.575	4.861	1.176	49.857	61.293	10.000	inc	**
Barium, Total	ug/L	MW-37A	4	1312.500	80.571	1.176	1217.725	1407.275	2000.000	inc	
Cobalt, Total	ug/L	MW-37A	4	22.550	1.162	1.176	21.183	23.917	2.100	inc	**
Nickel, Total	ug/L	MW-37A	4	284.500	22.927	1.176	257.531	311.469	100.000	inc	**
Arsenic, Total	ug/L	MW-38A	4	5.000	0.000	1.176	5.000	5.000	10.000		
Barium, Total	ug/L	MW-38A	4	216.250	10.210	1.176	204.240	228.260	2000.000	inc	
Cobalt, Total	ug/L	MW-38A	4	1.400	0.000	1.176	1.400	1.400	2.100		
Nickel, Total	ug/L	MW-38A	4	32.775	2.351	1.176	30.009	35.541	100.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

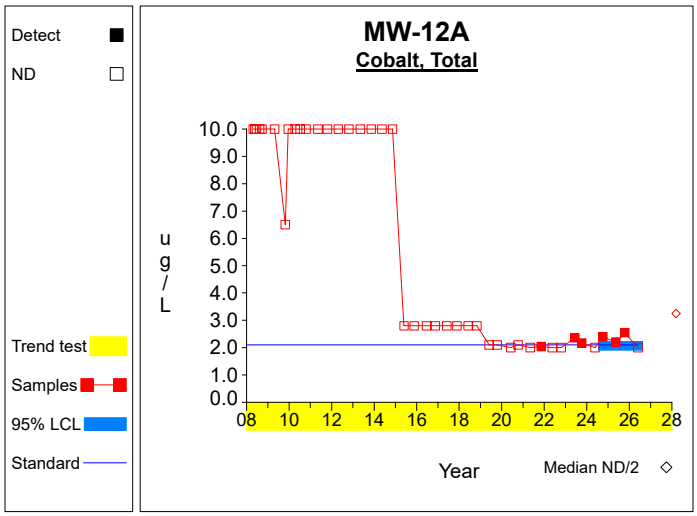
Confidence Limits (Assessment)



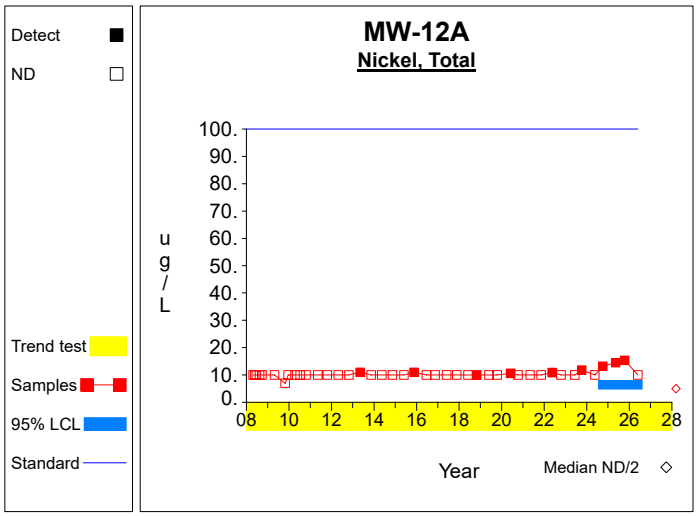
Graph 1



Graph 2

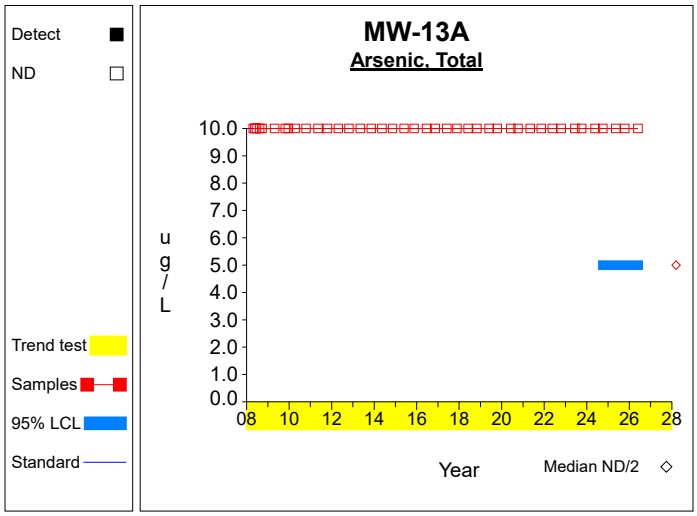


Graph 3

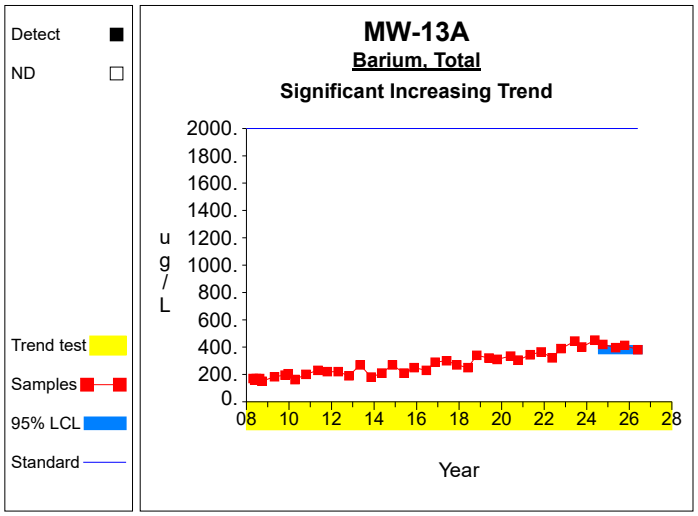


Graph 4

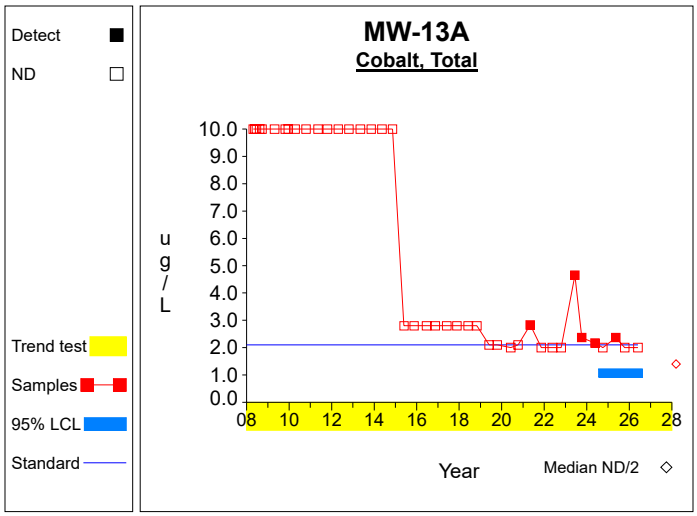
Confidence Limits (Assessment)



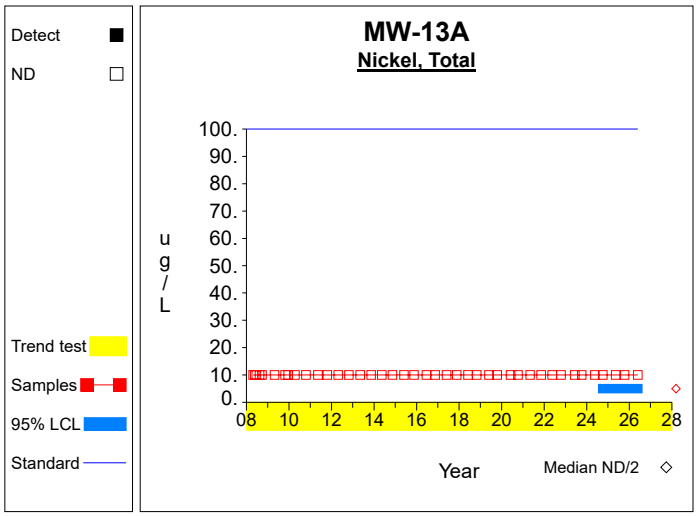
Graph 5



Graph 6

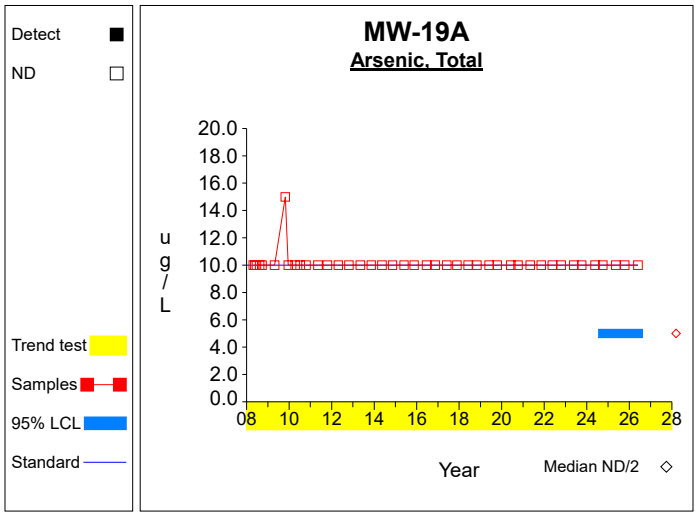


Graph 7

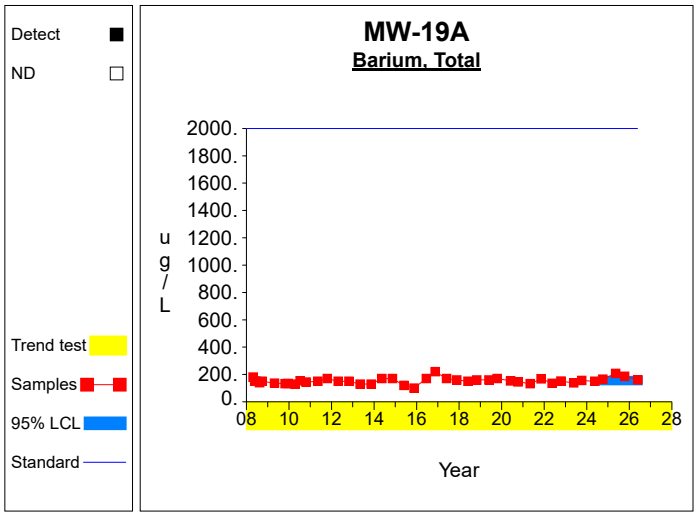


Graph 8

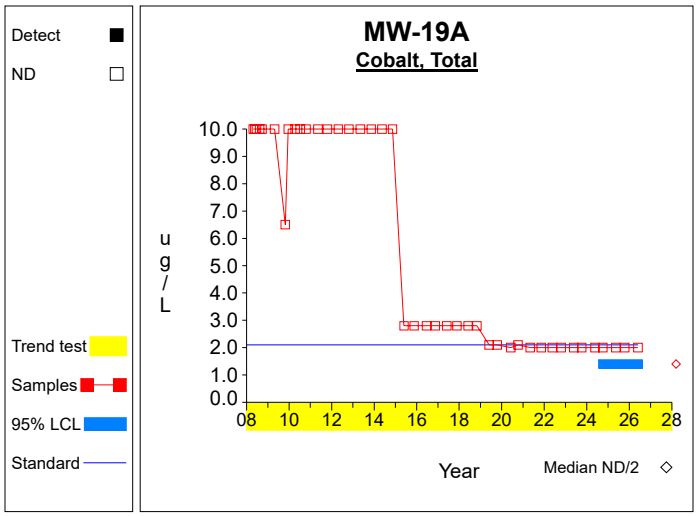
Confidence Limits (Assessment)



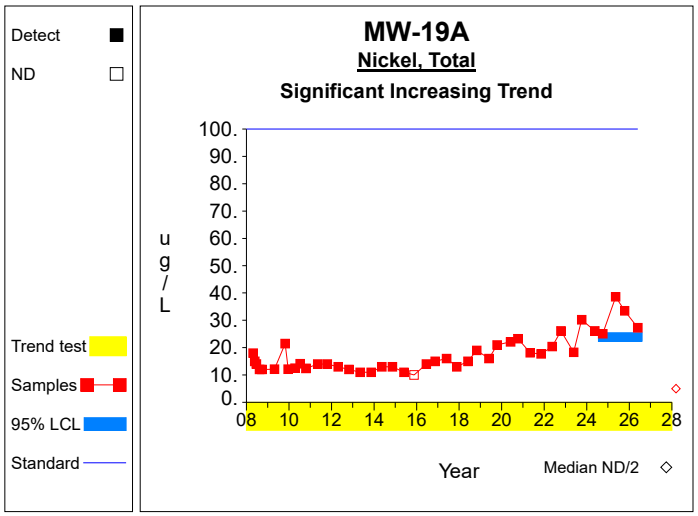
Graph 9



Graph 10

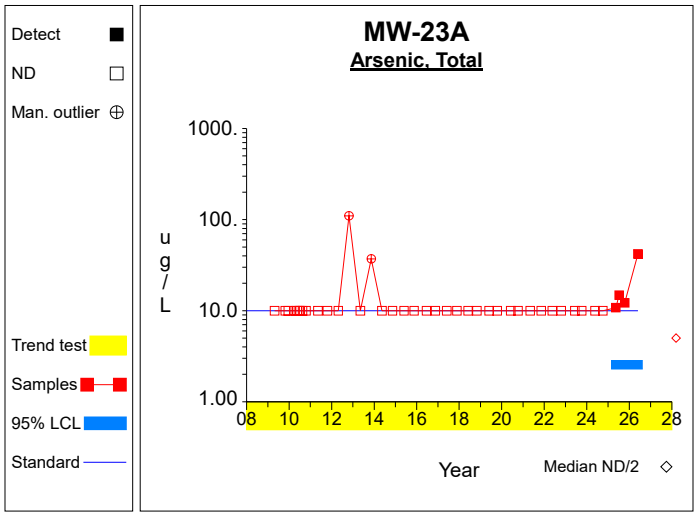


Graph 11

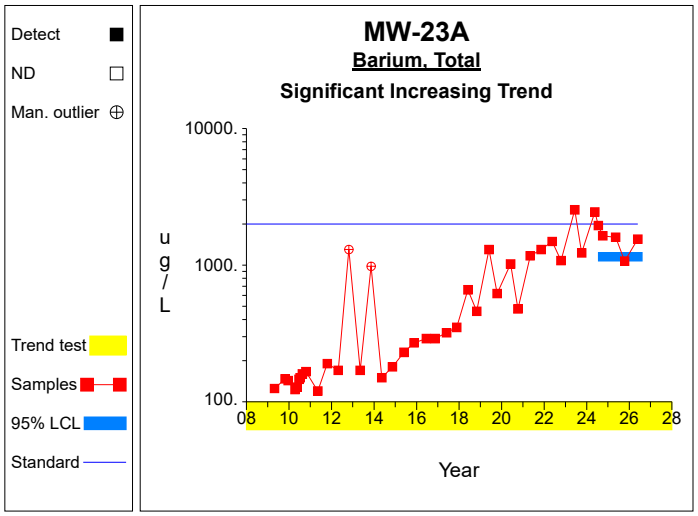


Graph 12

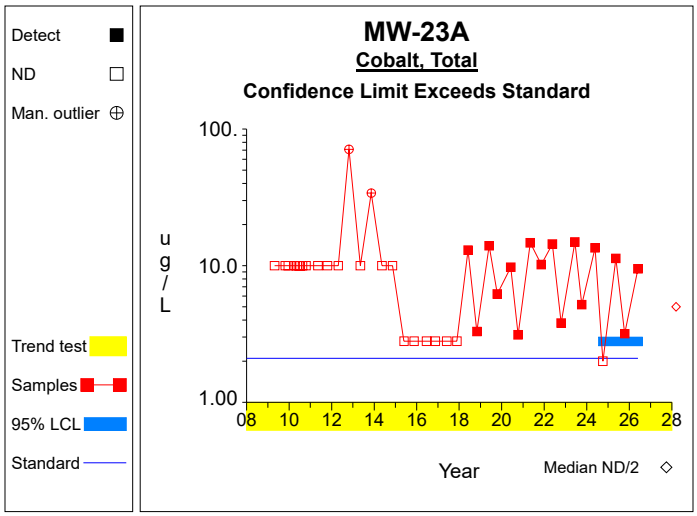
Confidence Limits (Assessment)



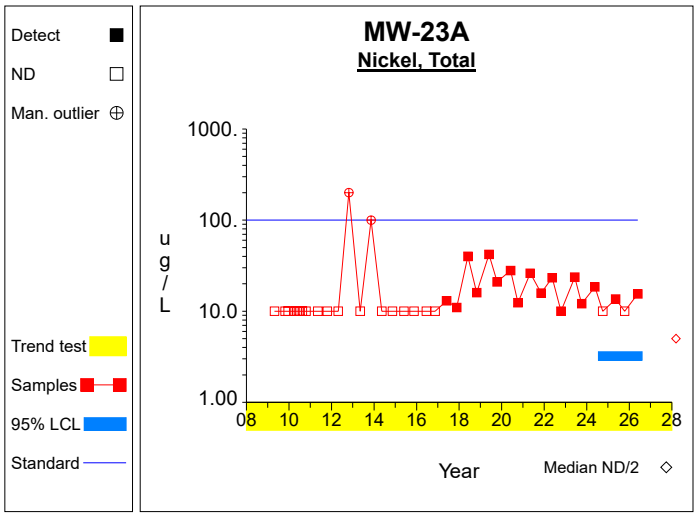
Graph 13



Graph 14

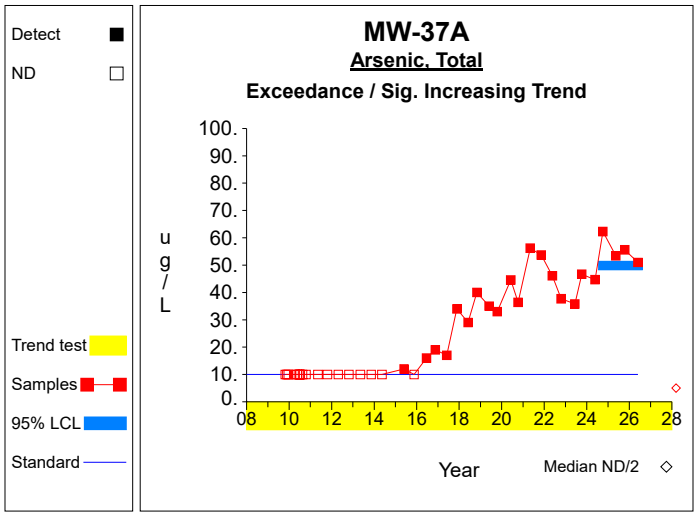


Graph 15

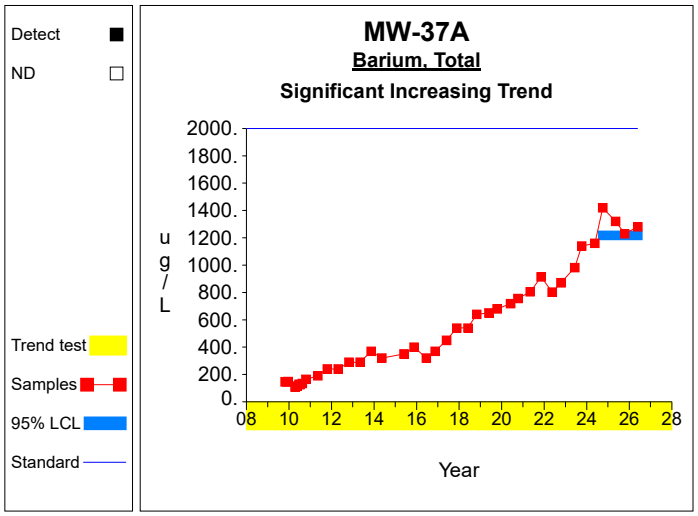


Graph 16

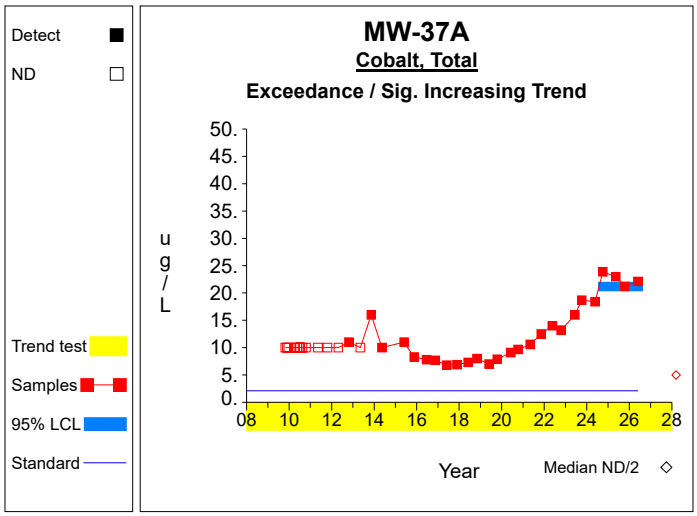
Confidence Limits (Assessment)



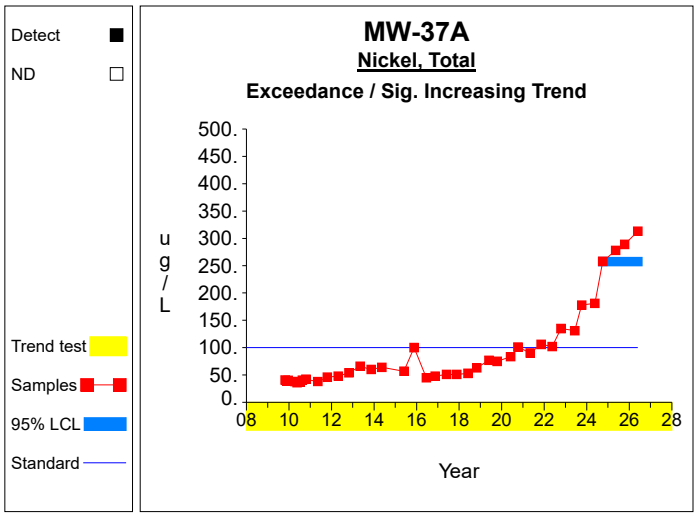
Graph 17



Graph 18

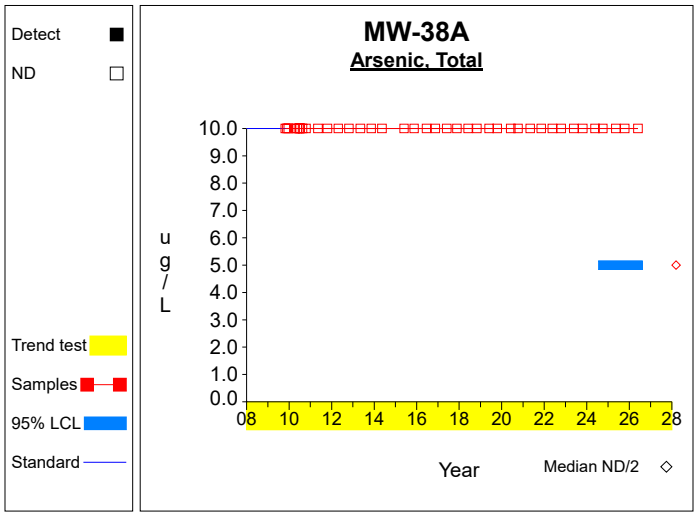


Graph 19

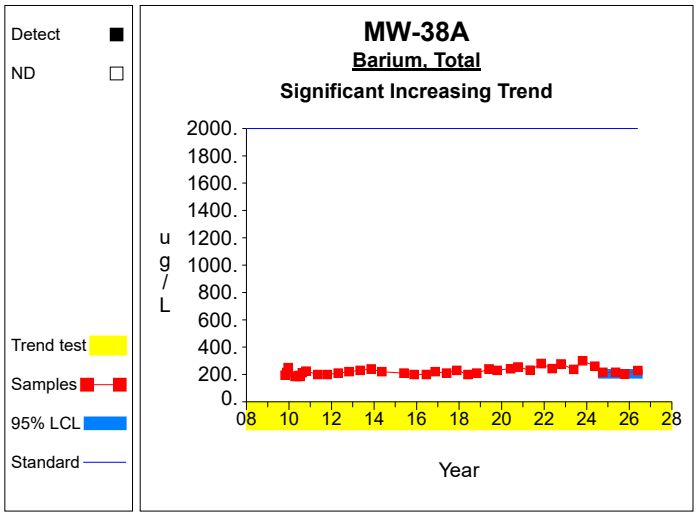


Graph 20

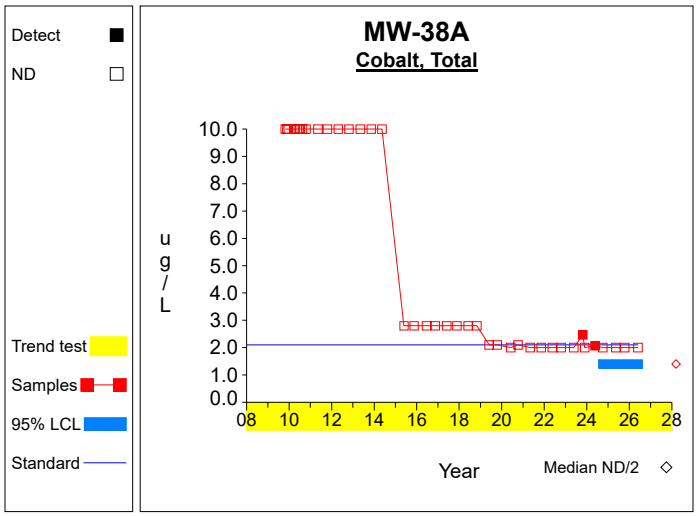
Confidence Limits (Assessment)



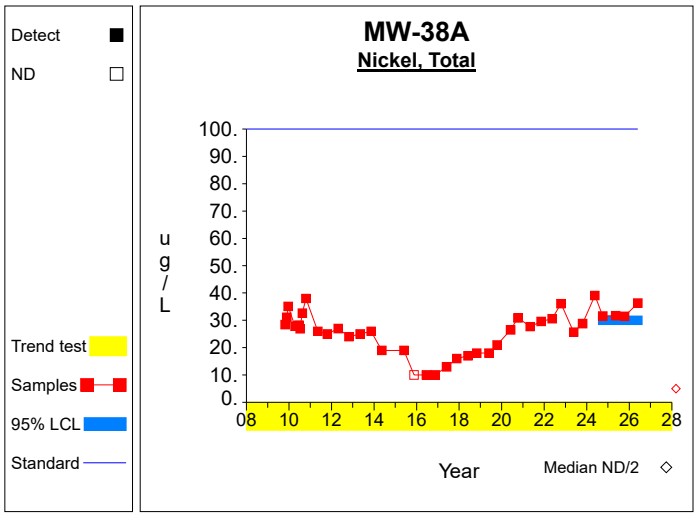
Graph 21



Graph 22



Graph 23



Graph 24

Worksheet 6 - Assessment Monitoring
Arsenic, Total (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N**' ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **0.0**^{½}) / 2 = [**430.5**, **430.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Barium, Total (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **1149.0** / **4** = **287.25**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**331323.0** - **1.32**x**10^6**/**4**) / (**4**-1))^{½} = **20.597**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **287.25** - **2.353** * **20.597**/**4**^{½} = **263.022**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **287.25** + **2.353** * **20.597**/**4**^{½} = **311.478**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **4.793**	Sen's estimator of trend.
7	var(S) = **8471.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8471.667**^{½}) / 2 = [**311.95**, **549.05**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**3.254**, **6.387**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Cobalt, Total (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **10.4** / **4** = **2.6**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**27.665** - **108.16**/**4**) / (**4**-1))^{½} = **0.456**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **2.6** - **2.353** * **0.456**/**4**^{½} = **2.063**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **2.6** + **2.353** * **0.456**/**4**^{½} = **3.137**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **3124.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **3124.333**^{½}) / 2 = [**358.506**, **502.494**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Nickel, Total (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **48.1** / **4** = **12.025**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**646.65** - **2313.61**/**4**) / (**4**-1))^{½} = **4.77**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **12.025** - **2.353** * **4.77**/**4**^{½} = **6.415**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **12.025** + **2.353** * **4.77**/**4**^{½} = **17.635**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **4348.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **4348.0**^{½}) / 2 = [**345.57**, **515.43**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Arsenic, Total (ug/L) at MW-13A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **41** * (**41**-1) / 2 = **820**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**820** ± **2.576** * **0.0**^{½}) / 2 = [**410.0**, **410.0**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Barium, Total (ug/L) at MW-13A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **1610.0** / **4** = **402.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**648946.0** - **2.59**x**10^6**/**4**) / (**4**-1))^{½} = **17.521**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **402.5** - **2.353** * **17.521**/**4**^{½} = **381.89**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **402.5** + **2.353** * **17.521**/**4**^{½} = **423.11**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **41** * (**41**-1) / 2 = **820**	Number of sample pairs during trend detection period.
6	S = **14.408**	Sen's estimator of trend.
7	var(S) = **7915.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**820** ± **2.576** * **7915.333**^{½}) / 2 = [**295.409**, **524.591**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**12.356**, **16.859**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Cobalt, Total (ug/L) at MW-13A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **6.57** / **4** = **1.643**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**11.497** - **43.165**/**4**) / (**4**-1))^{½} = **0.485**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1.643** - **2.353** * **0.485**/**4**^{½} = **1.072**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1.643** + **2.353** * **0.485**/**4**^{½} = **2.213**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **41** * (**41**-1) / 2 = **820**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **2535.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**820** ± **2.576** * **2535.667**^{½}) / 2 = [**345.142**, **474.858**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Nickel, Total (ug/L) at MW-13A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **41** * (**41**-1) / 2 = **820**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**820** ± **2.576** * **0.0**^{½}) / 2 = [**410.0**, **410.0**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Arsenic, Total (ug/L) at MW-19A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **0.0**^{½}) / 2 = [**430.5**, **430.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Barium, Total (ug/L) at MW-19A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **721.0** / **4** = **180.25**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**131337.0** - **519841.0**/**4**) / (**4**-1))^{½} = **21.422**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **180.25** - **2.353** * **21.422**/**4**^{½} = **155.051**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **180.25** + **2.353** * **21.422**/**4**^{½} = **205.449**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.781**	Sen's estimator of trend.
7	var(S) = **8415.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8415.0**^{½}) / 2 = [**312.347**, **548.653**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.441**, **2.231**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Cobalt, Total (ug/L) at MW-19A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5.6** / **4** = **1.4**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**7.84** - **31.36**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1.4** - **2.353** * **0.0**/**4**^{½} = **1.4**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1.4** + **2.353** * **0.0**/**4**^{½} = **1.4**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **0.0**^{½}) / 2 = [**430.5**, **430.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Nickel, Total (ug/L) at MW-19A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **124.5** / **4** = **31.125**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**3987.51** - **15500.25**/**4**) / (**4**-1))^{½} = **6.122**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **31.125** - **2.353** * **6.122**/**4**^{½} = **23.923**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **31.125** + **2.353** * **6.122**/**4**^{½} = **38.327**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.71**	Sen's estimator of trend.
7	var(S) = **8483.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8483.0**^{½}) / 2 = [**311.871**, **549.129**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.37**, **1.039**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Arsenic, Total (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **79.8** / **4** = **19.95**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**2248.52** - **6368.04**/**4**) / (**4**-1))^{½} = **14.793**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **19.95** - **2.353** * **14.793**/**4**^{½} = **2.549**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **19.95** + **2.353** * **14.793**/**4**^{½} = **37.351**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **1875.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **1875.333**^{½}) / 2 = [**314.723**, **426.277**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Barium, Total (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5860.0** / **4** = **1465.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**8.80**x**10^6** - **3.43**x**10^7**/**4**) / (**4**-1))^{½} = **265.895**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1465.0** - **2.353** * **265.895**/**4**^{½} = **1152.231**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1465.0** + **2.353** * **265.895**/**4**^{½} = **1777.769**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **86.945**	Sen's estimator of trend.
7	var(S) = **6829.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6829.667**^{½}) / 2 = [**264.057**, **476.943**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**50.491**, **116.22**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Cobalt, Total (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **28.96** / **4** = **7.24**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**252.673** - **838.682**/**4**) / (**4**-1))^{½} = **3.786**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **7.24** - **2.353** * **3.786**/**4**^{½} = **2.787**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **7.24** + **2.353** * **3.786**/**4**^{½} = **11.693**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **38** * (**38**-1) / 2 = **703**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **5069.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**703** ± **2.576** * **5069.333**^{½}) / 2 = [**259.795**, **443.205**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.309**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Nickel, Total (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **39.1** / **4** = **9.775**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**475.21** - **1528.81**/**4**) / (**4**-1))^{½} = **5.568**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **9.775** - **2.353** * **5.568**/**4**^{½} = **3.225**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **9.775** + **2.353** * **5.568**/**4**^{½} = **16.325**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **38** * (**38**-1) / 2 = **703**	Number of sample pairs during trend detection period.
6	S = **0.55**	Sen's estimator of trend.
7	var(S) = **5230.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**703** ± **2.576** * **5230.333**^{½}) / 2 = [**258.35**, **444.65**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.984**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Arsenic, Total (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **222.3** / **4** = **55.575**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**12425.21** - **49417.29**/**4**) / (**4**-1))^{½} = **4.861**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **55.575** - **2.353** * **4.861**/**4**^{½} = **49.857**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **55.575** + **2.353** * **4.861**/**4**^{½} = **61.293**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **3.151**	Sen's estimator of trend.
7	var(S) = **6244.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6244.333**^{½}) / 2 = [**268.721**, **472.279**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**2.531**, **3.793**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Barium, Total (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5250.0** / **4** = **1312.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**6.91**x**10^6** - **2.76**x**10^7**/**4**) / (**4**-1))^{½} = **80.571**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1312.5** - **2.353** * **80.571**/**4**^{½} = **1217.725**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1312.5** + **2.353** * **80.571**/**4**^{½} = **1407.275**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **66.222**	Sen's estimator of trend.
7	var(S) = **6827.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6827.667**^{½}) / 2 = [**264.073**, **476.927**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**57.611**, **75.37**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Cobalt, Total (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **90.2** / **4** = **22.55**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**2038.06** - **8136.04**/**4**) / (**4**-1))^{½} = **1.162**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **22.55** - **2.353** * **1.162**/**4**^{½} = **21.183**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **22.55** + **2.353** * **1.162**/**4**^{½} = **23.917**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.704**	Sen's estimator of trend.
7	var(S) = **6563.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6563.0**^{½}) / 2 = [**266.156**, **474.844**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.418**, **1.069**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Nickel, Total (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **1138.0** / **4** = **284.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**325338.0** - **1.30**x**10^6**/**4**) / (**4**-1))^{½} = **22.927**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **284.5** - **2.353** * **22.927**/**4**^{½} = **257.531**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **284.5** + **2.353** * **22.927**/**4**^{½} = **311.469**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **7.417**	Sen's estimator of trend.
7	var(S) = **6830.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6830.667**^{½}) / 2 = [**264.05**, **476.95**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**4.962**, **11.494**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Arsenic, Total (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Barium, Total (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **865.0** / **4** = **216.25**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**187369.0** - **748225.0**/**4**) / (**4**-1))^{½} = **10.21**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **216.25** - **2.353** * **10.21**/**4**^{½} = **204.24**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **216.25** + **2.353** * **10.21**/**4**^{½} = **228.26**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **2.629**	Sen's estimator of trend.
7	var(S) = **6798.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6798.0**^{½}) / 2 = [**264.304**, **476.696**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.754**, **4.875**]	Two-sided confidence interval for slope.
10	LCL(S) > 0	**Significant increasing trend.**

Worksheet 6 - Assessment Monitoring
Cobalt, Total (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5.6** / **4** = **1.4**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**7.84** - **31.36**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1.4** - **2.353** * **0.0**/**4**^{½} = **1.4**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1.4** + **2.353** * **0.0**/**4**^{½} = **1.4**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **1039.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **1039.667**^{½}) / 2 = [**348.47**, **431.53**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Nickel, Total (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **131.1** / **4** = **32.775**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**4313.39** - **17187.21**/**4**) / (**4**-1))^{½} = **2.351**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **32.775** - **2.353** * **2.351**/**4**^{½} = **30.009**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **32.775** + **2.353** * **2.351**/**4**^{½} = **35.541**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.174**	Sen's estimator of trend.
7	var(S) = **6828.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6828.667**^{½}) / 2 = [**264.065**, **476.935**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.645**, **0.783**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Attachment D

Summary Tables and Graphs for the Intrawell Comparisons

Table 1

Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, Total	ug/L	MW-11A	26	12	38			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-11A	26	12	38			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-11A	26	12	38	211.8462	43.9615	227.0000	245.0000	211.8462	212.0289	497.5960	normal		
Beryllium, Total	ug/L	MW-11A	26	12	38			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-11A	26	12	38			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-11A	25	12	38			10.0000	10.0000			13.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-11A	26	12	38			2.0000	2.0000			11.0000	nonpar	.99	**
Copper, Total	ug/L	MW-11A	25	12	38			10.0000	10.0000			15.0000	nonpar	.99	**
Lead, Total	ug/L	MW-11A	26	12	38			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-11A	25	12	38			10.0000	10.0000			13.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-11A	24	12	38			10.0000	10.0000			25.0000	nonpar	.99	**
Silver, Total	ug/L	MW-11A	26	12	38			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-11A	26	12	38			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-11A	25	12	38			20.0000	20.0000			33.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-11A	25	12	38			50.0000	50.0000			34.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-12A	30	12	42			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-12A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-12A	30	12	42	226.8833	23.8688	283.0000	316.0000	416.3889	449.3889	382.0304	normal		
Beryllium, Total	ug/L	MW-12A	30	12	42			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-12A	30	12	42			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-12A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-12A	30	12	42			2.5500	2.0000			10.0000	nonpar	.99	**
Copper, Total	ug/L	MW-12A	29	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-12A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-12A	30	12	42			15.4000	10.0000			11.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-12A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-12A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-12A	30	12	42			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-12A	30	12	42			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-12A	30	12	42			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-13A	29	12	41			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-13A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-13A	29	12	41	229.7241	56.1604	413.0000	381.0000	735.6574	703.6574	594.7669	normal		
Beryllium, Total	ug/L	MW-13A	29	12	41			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-13A	29	12	41			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-13A	29	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-13A	29	12	41			2.0000	2.0000			10.0000	nonpar	.99	**
Copper, Total	ug/L	MW-13A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-13A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-13A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-13A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-13A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-13A	29	12	41			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-13A	29	12	41			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-13A	29	12	41			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-19A	30	12	42			6.0000	6.0000			6.0000	nonpar	.99	**

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.
N(tot) = All independent measurements for that constituent and well.
For transformed data, mean and SD in transformed units and control limit in original units.
Conf = confidence level for passing initial test or one verification resample (nonparametric test only).
* - Insufficient Data.
** - Detection Frequency < 25%.
*** - Zero Variance.

Table 1

Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Arsenic, Total	ug/L	MW-19A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-19A	30	12	42	151.8000	21.9080	186.0000	161.0000	209.3381	202.1071	294.2017	normal		
Beryllium, Total	ug/L	MW-19A	30	12	42			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-19A	30	12	42			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-19A	30	12	45			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-19A	30	12	42			2.0000	2.0000			10.0000	nonpar	.99	**
Copper, Total	ug/L	MW-19A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-19A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-19A	30	12	42	14.2933	3.1695	33.5000	27.3000	45.5708	39.3708	34.8948	normal		
Selenium, Total	ug/L	MW-19A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-19A	30	12	42			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-19A	30	12	42			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-19A	30	12	42			20.0000	20.0000			22.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-19A	30	12	42			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-21A	29	12	41			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-21A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-21A	29	12	41	238.8276	33.8020	291.0000	301.0000	425.8575	462.6784	458.5407	normal		
Beryllium, Total	ug/L	MW-21A	29	12	41			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-21A	29	12	41			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-21A	29	12	45			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-21A	29	12	41			2.0000	2.0000			10.0000	nonpar	.99	**
Copper, Total	ug/L	MW-21A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-21A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-21A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-21A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-21A	29	12	41			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-21A	29	12	41			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-21A	29	12	41			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-21A	29	12	41			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-23A	19	21	40			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-23A	17	22	41			12.2000	42.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-23A	17	22	41	162.8235	39.1092	1070.0000	1550.0000	1236.3572	1716.3572	417.0333	normal		
Beryllium, Total	ug/L	MW-23A	18	21	40			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-23A	19	21	40			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-23A	17	21	40			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-23A	15	21	40			3.1800	9.4800			10.0000	nonpar	.99	**
Copper, Total	ug/L	MW-23A	17	21	40			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-23A	18	21	40			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-23A	17	21	40			10.0000	15.5000			10.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-23A	19	21	40			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-23A	19	21	40			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-23A	19	22	41			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-23A	17	21	40			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-23A	17	21	40			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-34A	27	8	35			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-34A	27	8	35			10.0000	10.0000			10.0000	nonpar	.99	**

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.
N(tot) = All independent measurements for that constituent and well.
For transformed data, mean and SD in transformed units and control limit in original units.
Conf = confidence level for passing initial test or one verification resample (nonparametric test only).
* - Insufficient Data.
** - Detection Frequency < 25%.
*** - Zero Variance.

Table 1

Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Barium, Total	ug/L	MW-34A	27	8	35	74.9481	76.3227	39.3000	33.1000	214.9974	115.9073	571.0455	normal		
Beryllium, Total	ug/L	MW-34A	27	8	35			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-34A	27	8	35			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-34A	27	8	35			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-34A	27	8	35			2.0000	2.0000			10.0000	nonpar	.99	**
Copper, Total	ug/L	MW-34A	27	8	35			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-34A	27	8	35			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-34A	27	8	35			10.0000	10.0000			21.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-34A	27	8	35			10.0000	10.0000			25.0000	nonpar	.99	**
Silver, Total	ug/L	MW-34A	27	8	35			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-34A	27	8	35			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-34A	27	8	35			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-34A	27	8	35			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-37A	18	21	39			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-37A	18	21	39			55.6000	51.0000			12.0000	nonpar	.99	**
Barium, Total	ug/L	MW-37A	18	21	39	217.0000	97.1851	1230.0000	1280.0000	1677.5559	1727.5559	848.7031	normal		
Beryllium, Total	ug/L	MW-37A	18	21	39			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-37A	18	21	39			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-37A	18	21	39			10.0000	10.0000			12.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-37A	18	21	39	10.3500	1.5085	21.2000	22.1000	29.8431	30.7431	20.1553	normal		
Copper, Total	ug/L	MW-37A	18	21	39			10.0000	10.0000			13.0000	nonpar	.99	**
Lead, Total	ug/L	MW-37A	18	21	39			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-37A	18	21	39	49.1389	16.0530	289.0000	313.0000	370.4670	394.4670	153.4834	normal		
Selenium, Total	ug/L	MW-37A	18	21	39			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-37A	18	21	39			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-37A	18	21	39			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-37A	18	21	39			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-37A	18	21	39			50.0000	50.0000			24.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-38A	27	12	39			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-38A	27	12	39			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-38A	27	12	39	213.2222	18.3436	204.0000	229.0000	279.3829	281.4030	332.4555	normal		
Beryllium, Total	ug/L	MW-38A	27	12	39			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-38A	27	12	39			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-38A	27	12	39			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-38A	27	13	40			2.0000	2.0000			10.0000	nonpar	.99	**
Copper, Total	ug/L	MW-38A	27	12	39			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-38A	27	12	39			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-38A	27	12	39	23.2074	7.5466	31.5000	36.3000	48.9667	56.3994	72.2601	normal		
Selenium, Total	ug/L	MW-38A	27	12	39			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-38A	27	12	39			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-38A	27	12	39			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-38A	27	12	39			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-38A	27	12	39			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-39A	20	12	32			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-39A	20	12	32			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-39A	20	12	32	290.1000	61.5603	267.0000	232.0000	290.1000	290.1000	690.2421	normal		

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.
N(tot) = All independent measurements for that constituent and well.
For transformed data, mean and SD in transformed units and control limit in original units.
Conf = confidence level for passing initial test or one verification resample (nonparametric test only).
* - Insufficient Data.
** - Detection Frequency < 25%.
*** - Zero Variance.

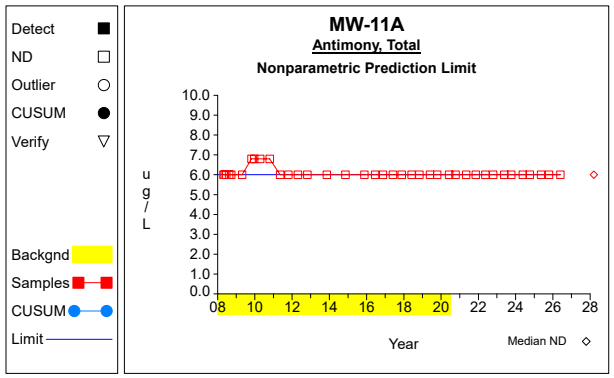
Table 1

Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts

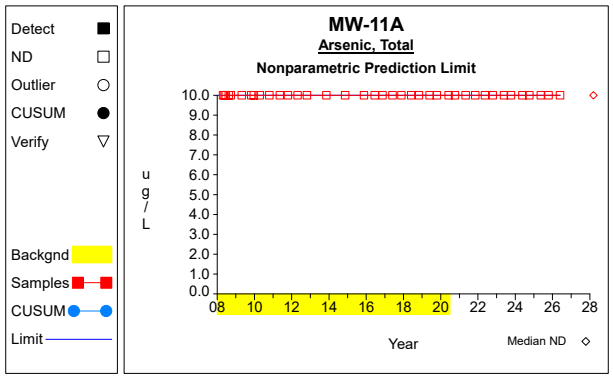
Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Beryllium, Total	ug/L	MW-39A	20	12	32			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-39A	20	12	32			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-39A	19	12	32			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-39A	20	12	32			2.0000	2.0000			2.8000	nonpar	.99	**
Copper, Total	ug/L	MW-39A	19	12	32			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-39A	19	12	32			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-39A	19	12	32			10.0000	10.0000			10.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-39A	20	12	32			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-39A	20	12	32			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-39A	20	12	32			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-39A	19	12	32			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-39A	19	12	32			50.0000	50.0000			20.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-40A	16	12	28			6.0000	6.0000			6.0000	nonpar	.99	**
Arsenic, Total	ug/L	MW-40A	16	13	29			10.0000	10.0000			10.0000	nonpar	.99	**
Barium, Total	ug/L	MW-40A	16	12	28	273.3125	41.3549	274.0000	224.0000	273.3125	273.3125	542.1195	normal		
Beryllium, Total	ug/L	MW-40A	16	12	28			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, Total	ug/L	MW-40A	16	12	28			5.0000	5.0000			5.0000	nonpar	.99	**
Chromium, Total	ug/L	MW-40A	16	12	28			10.0000	10.0000			11.0000	nonpar	.99	**
Cobalt, Total	ug/L	MW-40A	16	12	28			2.0000	2.0000			2.8000	nonpar	.99	**
Copper, Total	ug/L	MW-40A	16	12	28			10.0000	10.0000			10.0000	nonpar	.99	**
Lead, Total	ug/L	MW-40A	16	12	28			10.0000	10.0000			10.0000	nonpar	.99	**
Nickel, Total	ug/L	MW-40A	16	12	28			10.0000	10.0000			10.0000	nonpar	.99	**
Selenium, Total	ug/L	MW-40A	16	12	28			10.0000	10.0000			10.0000	nonpar	.99	**
Silver, Total	ug/L	MW-40A	16	12	28			10.0000	10.0000			10.0000	nonpar	.99	**
Thallium, Total	ug/L	MW-40A	16	12	28			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, Total	ug/L	MW-40A	16	12	28			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, Total	ug/L	MW-40A	16	12	28			50.0000	50.0000			27.0000	nonpar	.99	**
Antimony, Total	ug/L	MW-41A	7	0	7										*
Arsenic, Total	ug/L	MW-41A	7	0	7										*
Barium, Total	ug/L	MW-41A	7	0	7										*
Beryllium, Total	ug/L	MW-41A	7	0	7										*
Cadmium, Total	ug/L	MW-41A	7	0	7										*
Chromium, Total	ug/L	MW-41A	7	0	7										*
Cobalt, Total	ug/L	MW-41A	7	0	7										*
Copper, Total	ug/L	MW-41A	7	0	7										*
Lead, Total	ug/L	MW-41A	7	0	7										*
Nickel, Total	ug/L	MW-41A	7	0	7										*
Selenium, Total	ug/L	MW-41A	7	0	7										*
Silver, Total	ug/L	MW-41A	7	0	7										*
Thallium, Total	ug/L	MW-41A	7	0	7										*
Vanadium, Total	ug/L	MW-41A	7	0	7										*
Zinc, Total	ug/L	MW-41A	7	0	7										*

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.
N(tot) = All independent measurements for that constituent and well.
For transformed data, mean and SD in transformed units and control limit in original units.
Conf = confidence level for passing initial test or one verification resample (nonparametric test only).
* - Insufficient Data.
** - Detection Frequency < 25%.
*** - Zero Variance.

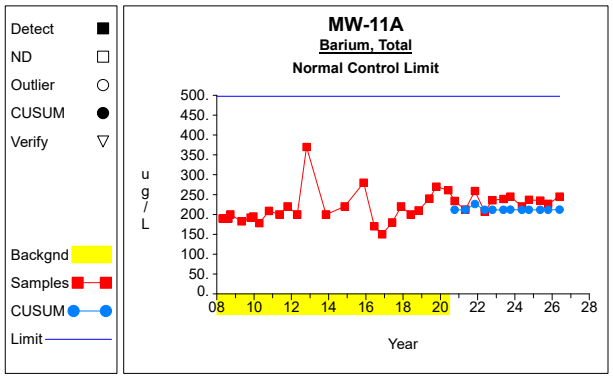
Intra-Well Control Charts / Prediction Limits



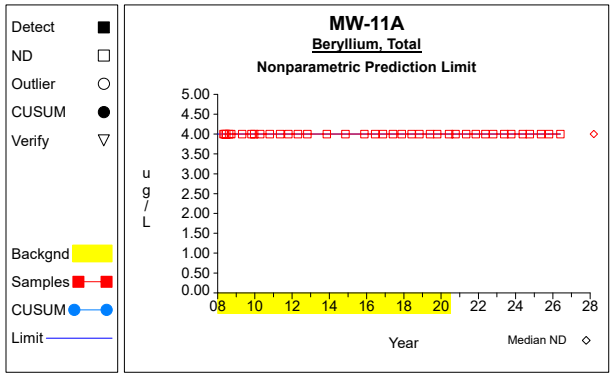
Graph 1



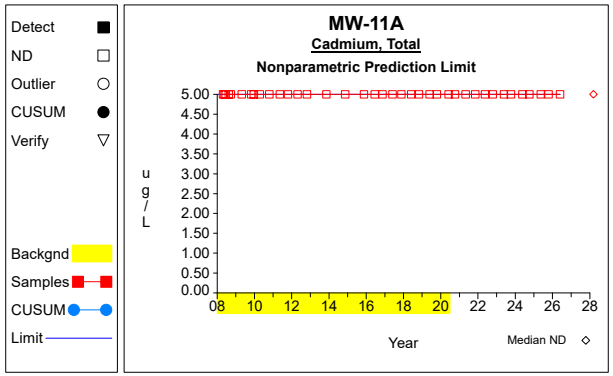
Graph 2



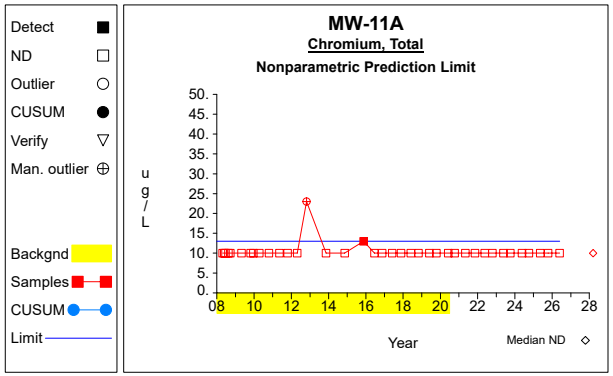
Graph 3



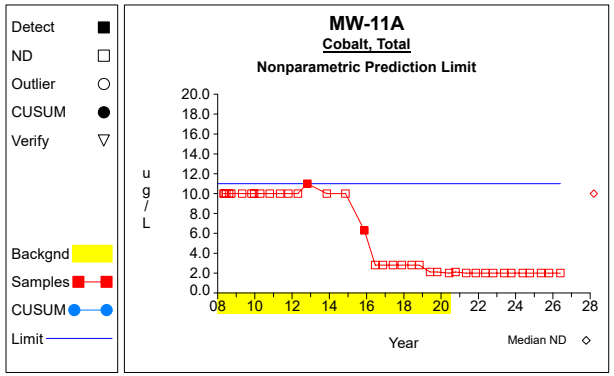
Graph 4



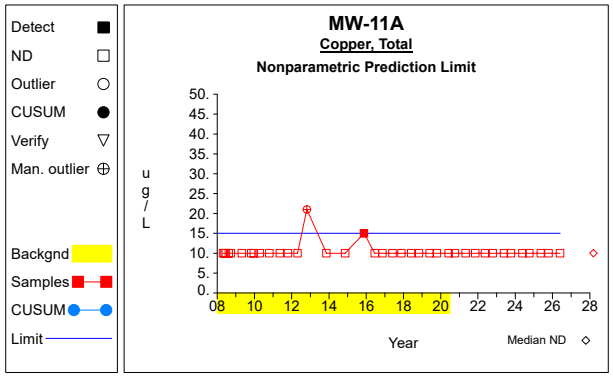
Graph 5



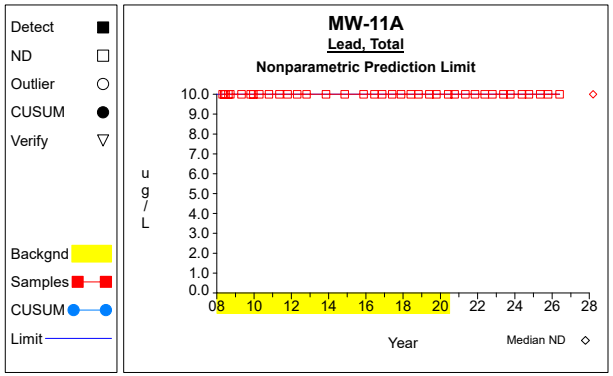
Graph 6



Graph 7



Graph 8



Graph 9

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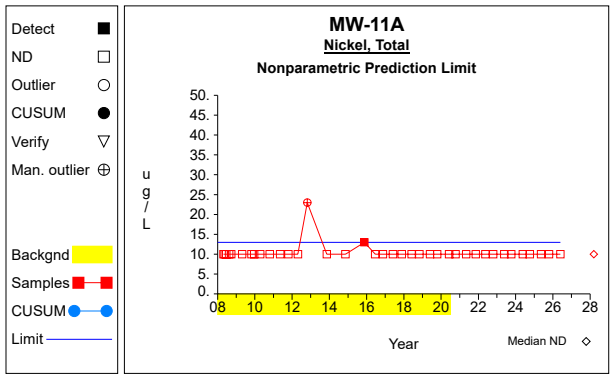
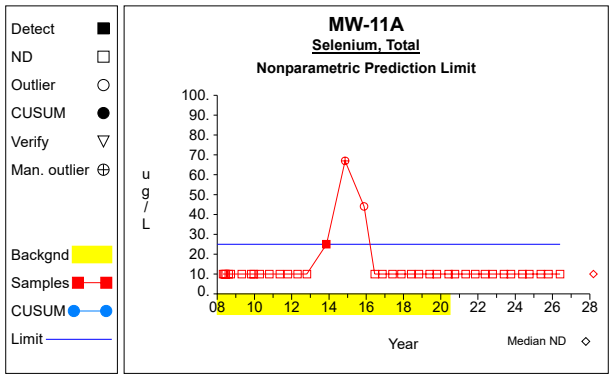
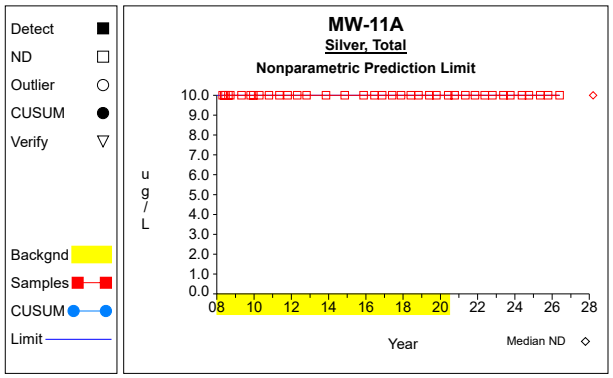
Intra-Well Control Charts / Prediction Limits



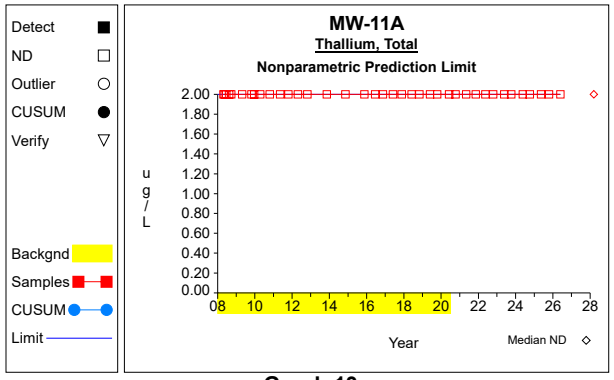
Graph 10



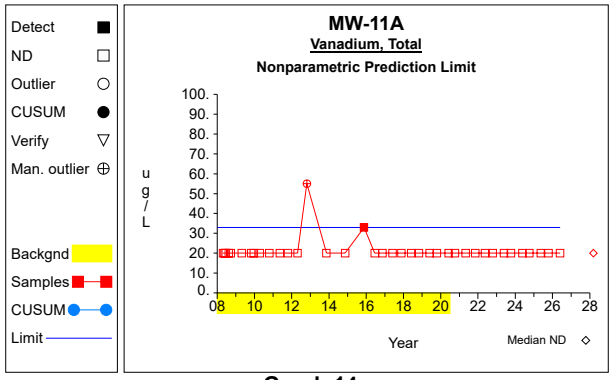
Graph 11



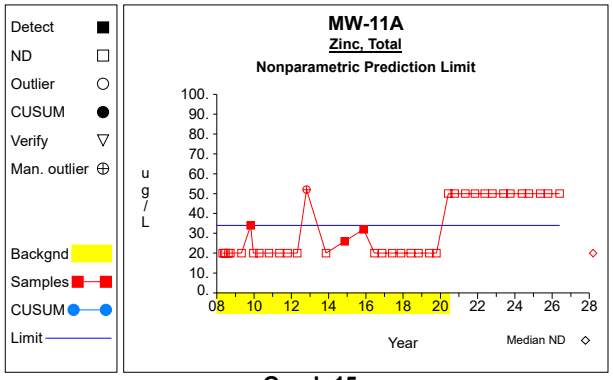
Graph 12



Graph 13

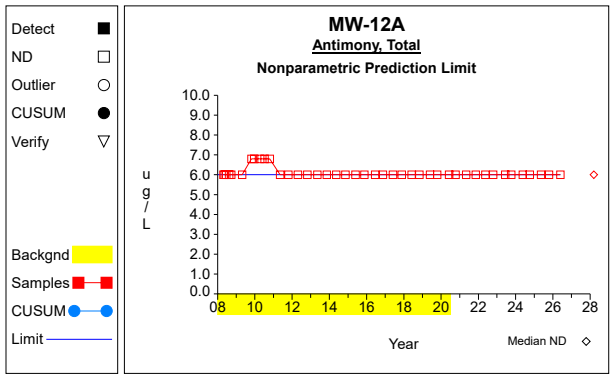


Graph 14

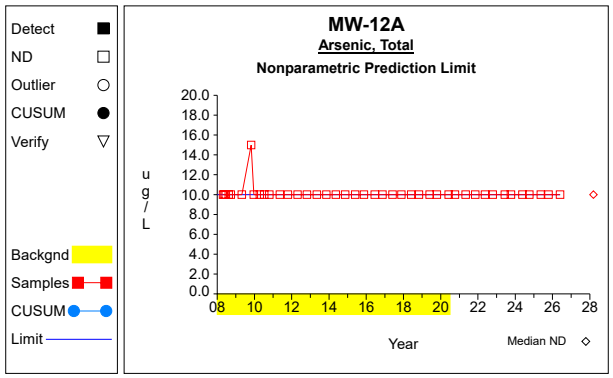


Graph 15

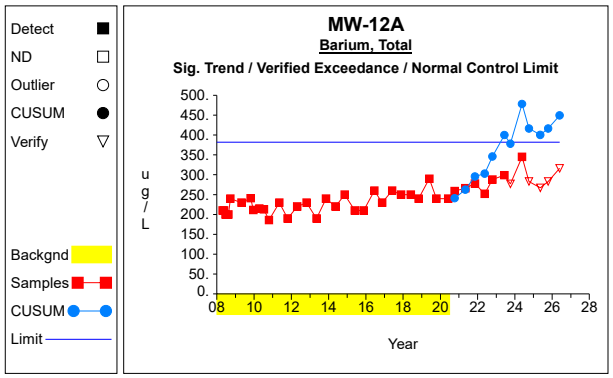
Intra-Well Control Charts / Prediction Limits



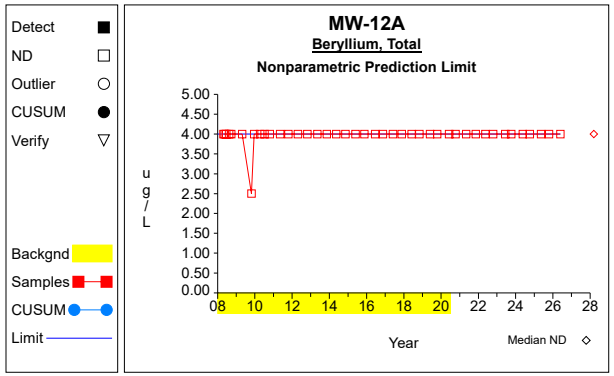
Graph 16



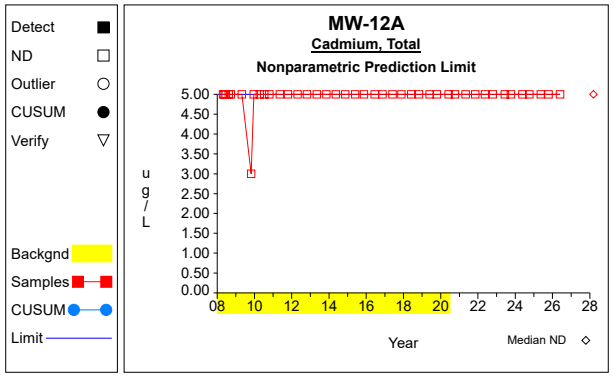
Graph 17



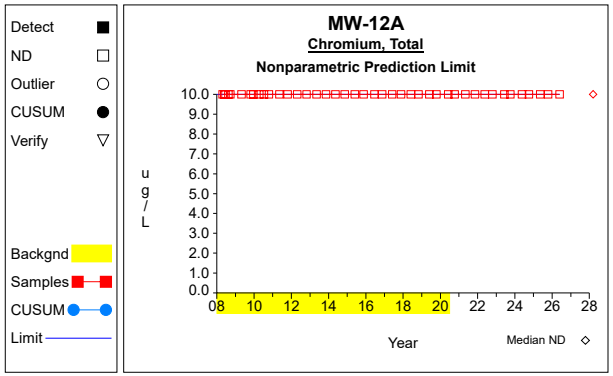
Graph 18



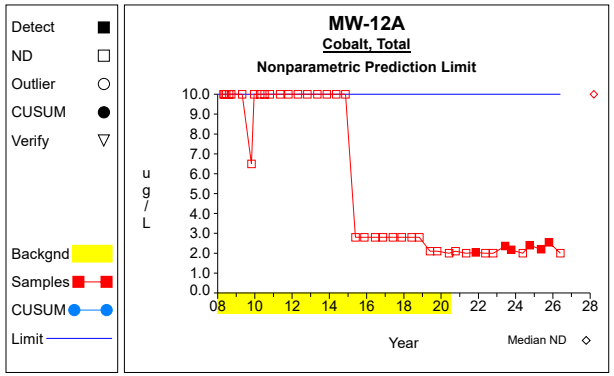
Graph 19



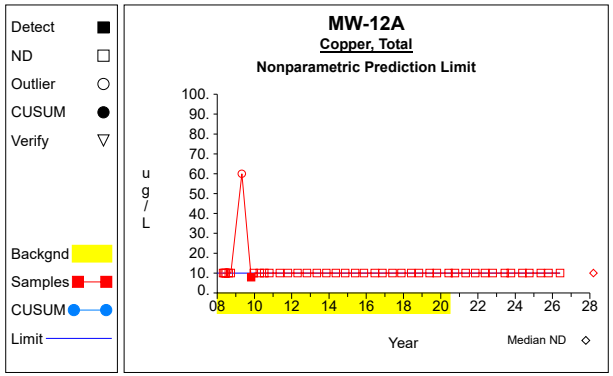
Graph 20



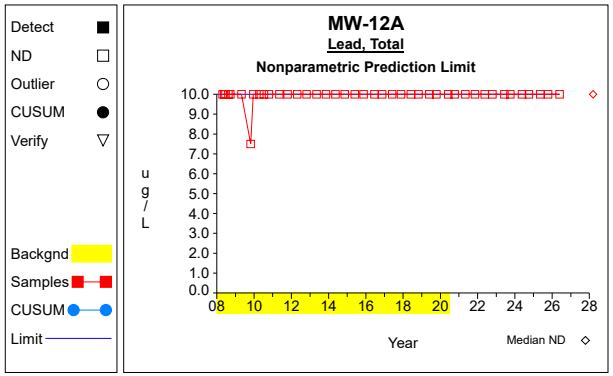
Graph 21



Graph 22



Graph 23



Graph 24

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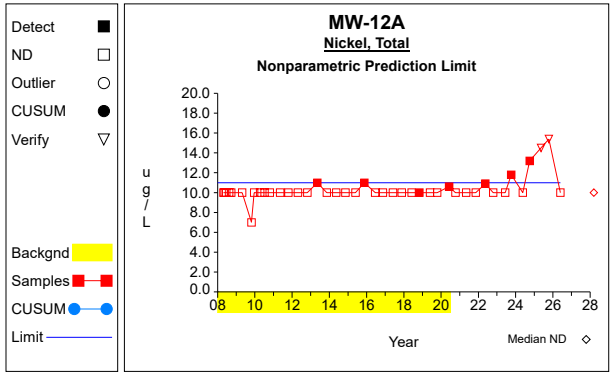
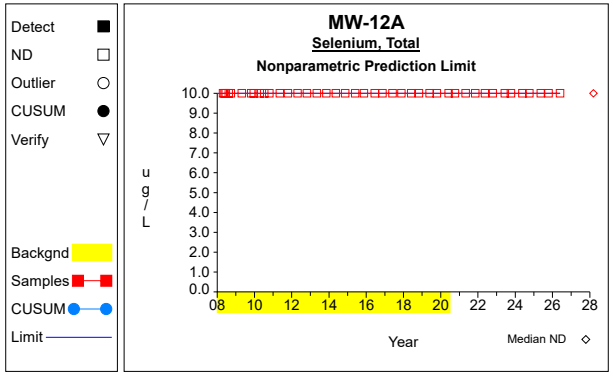
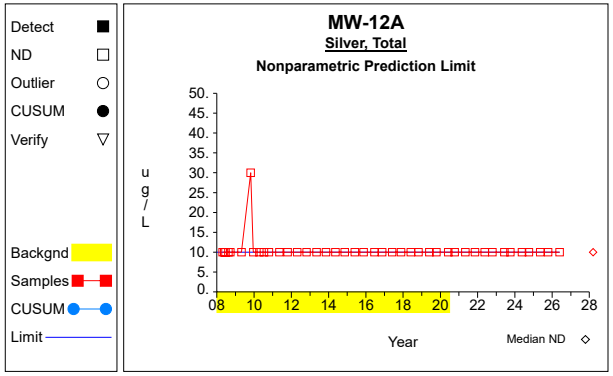
Intra-Well Control Charts / Prediction Limits



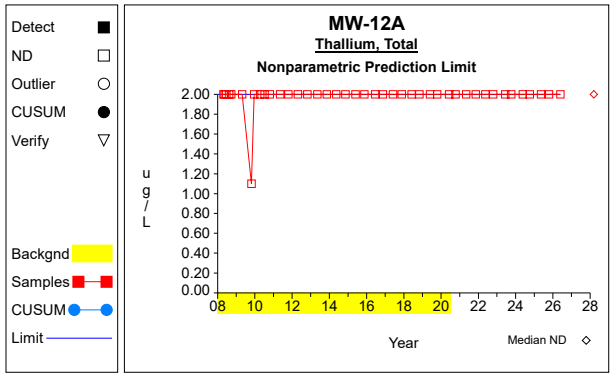
Graph 25



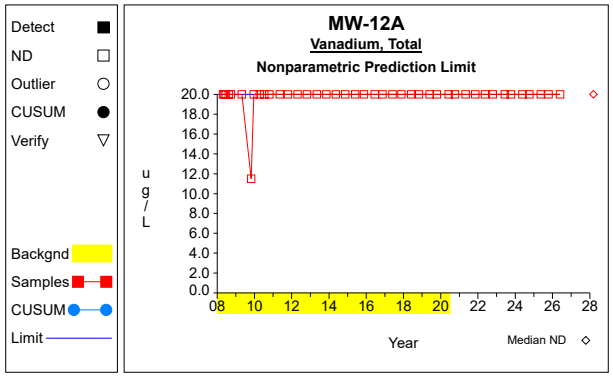
Graph 26



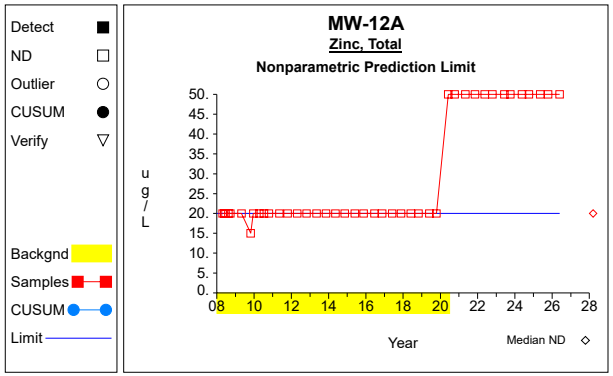
Graph 27



Graph 28

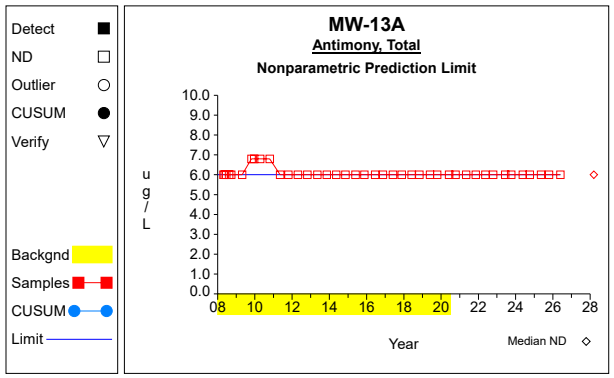


Graph 29

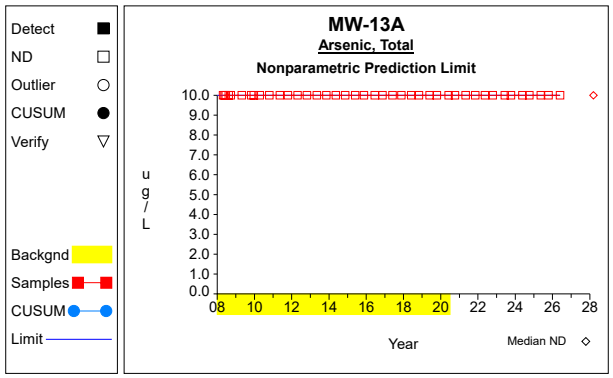


Graph 30

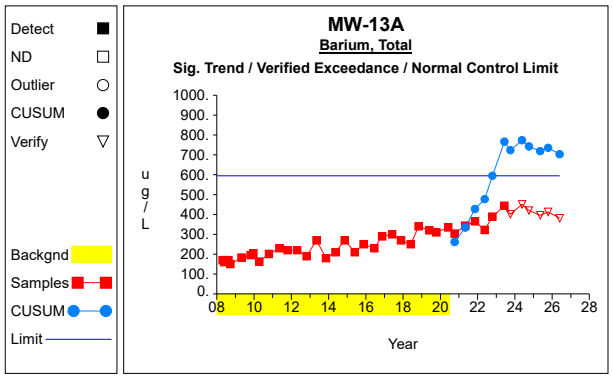
Intra-Well Control Charts / Prediction Limits



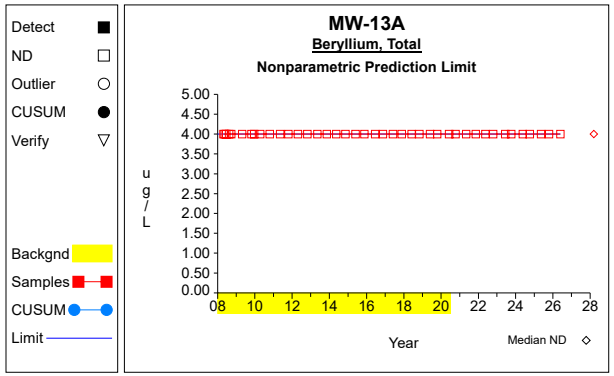
Graph 31



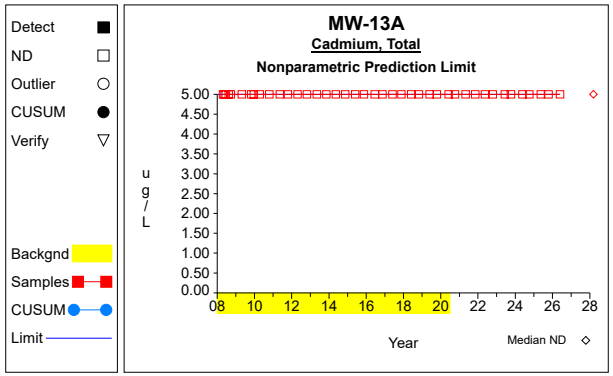
Graph 32



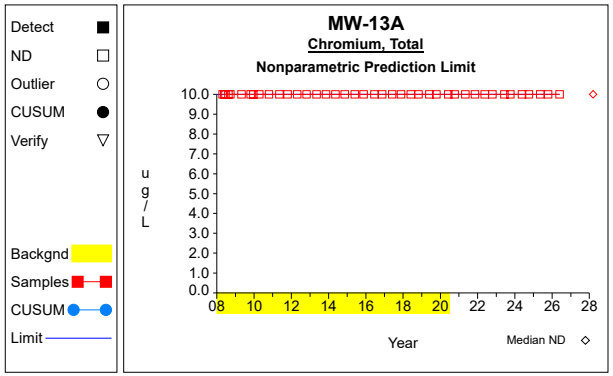
Graph 33



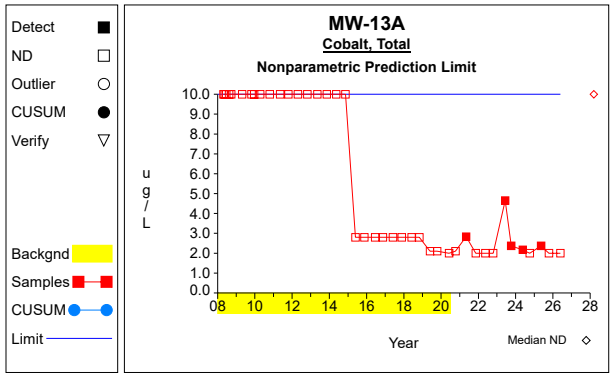
Graph 34



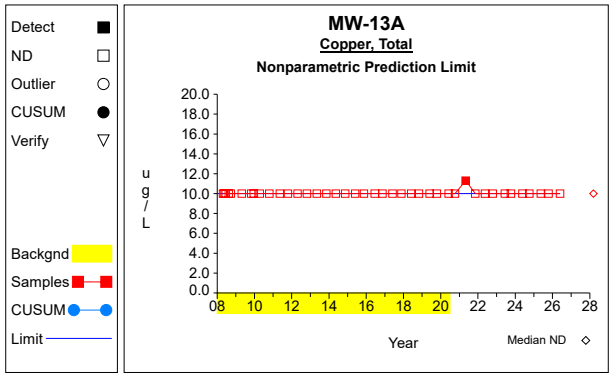
Graph 35



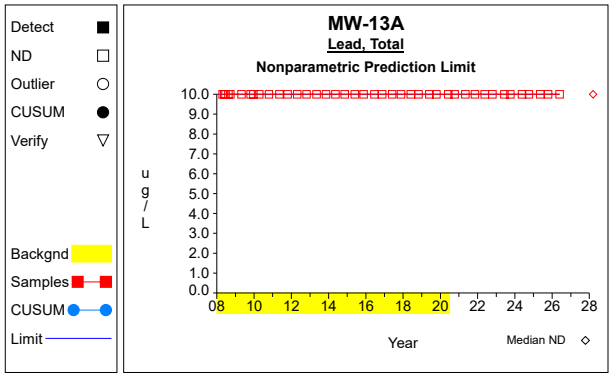
Graph 36



Graph 37



Graph 38



Graph 39

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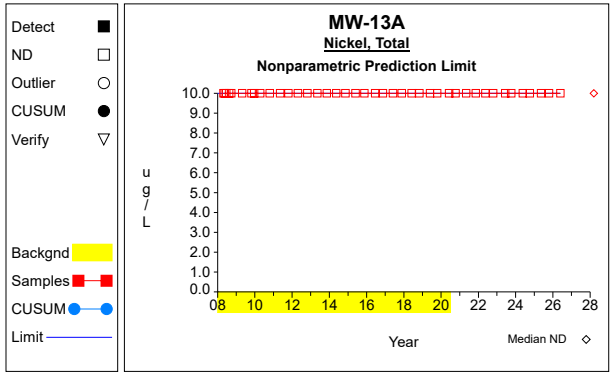
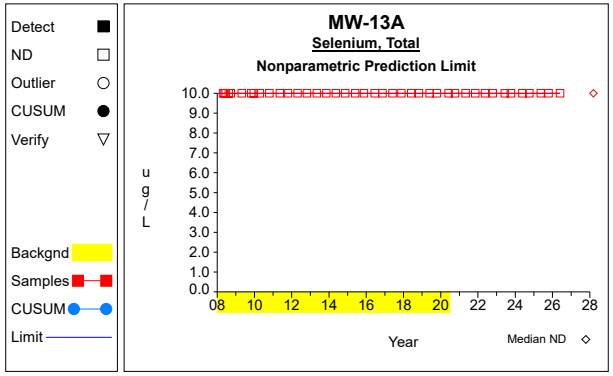
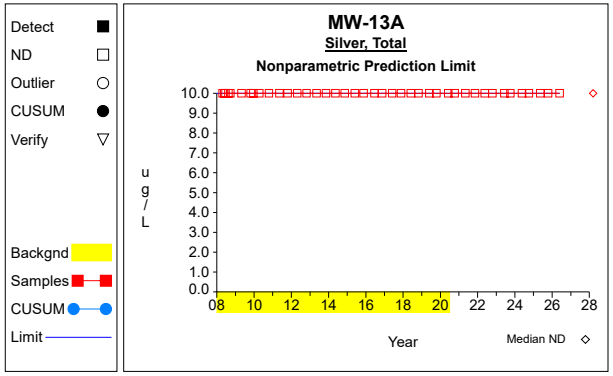
Intra-Well Control Charts / Prediction Limits



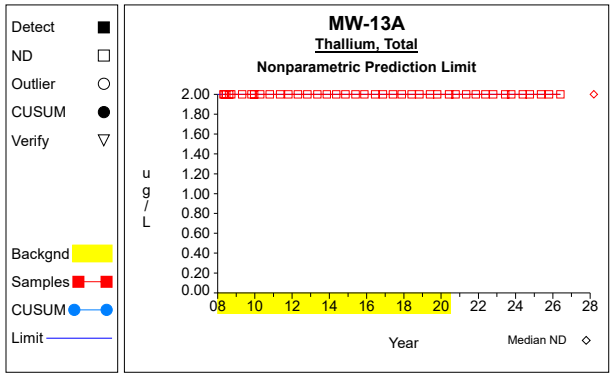
Graph 40



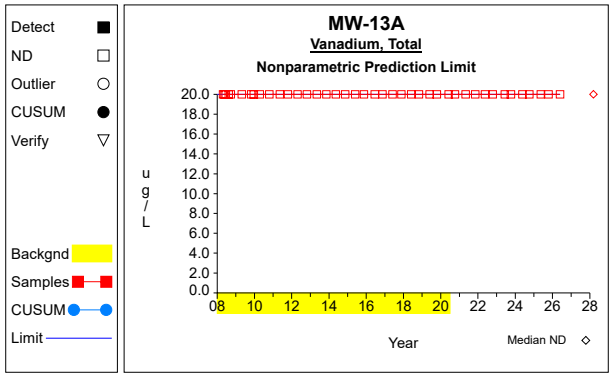
Graph 41



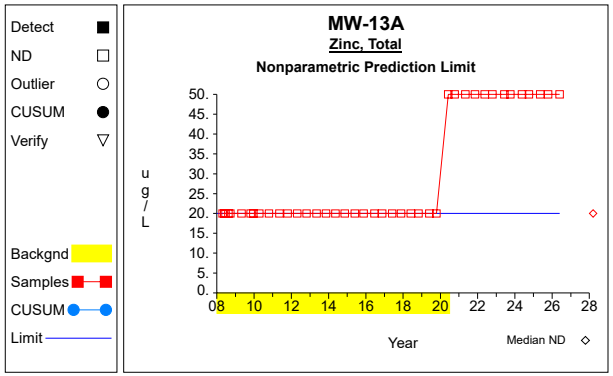
Graph 42



Graph 43

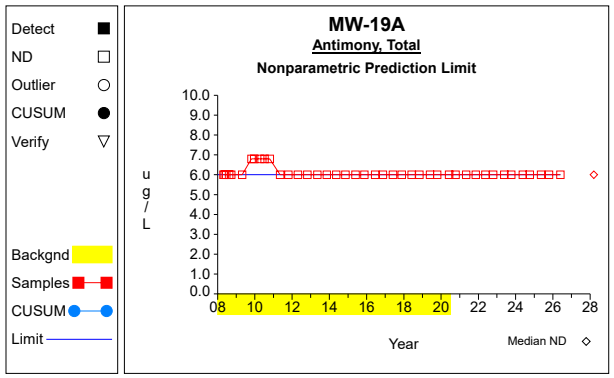


Graph 44

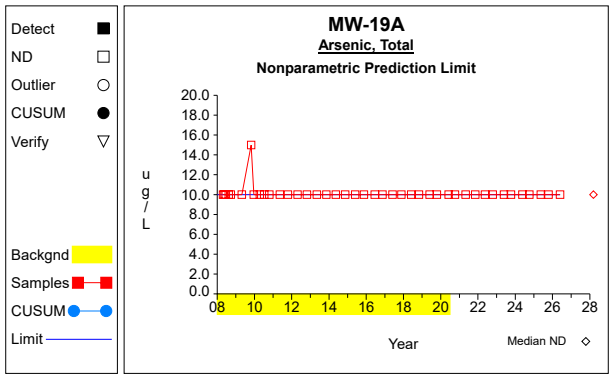


Graph 45

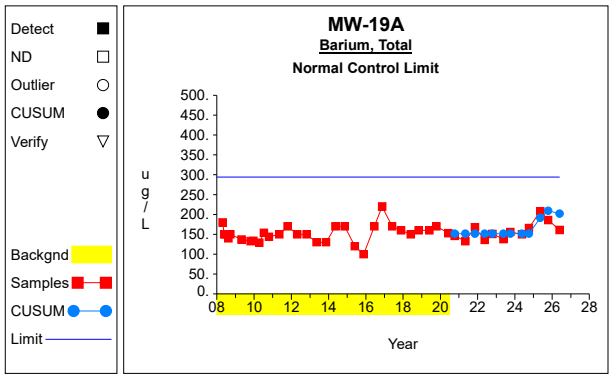
Intra-Well Control Charts / Prediction Limits



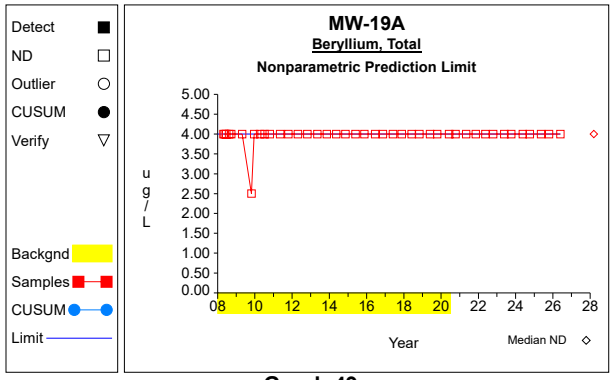
Graph 46



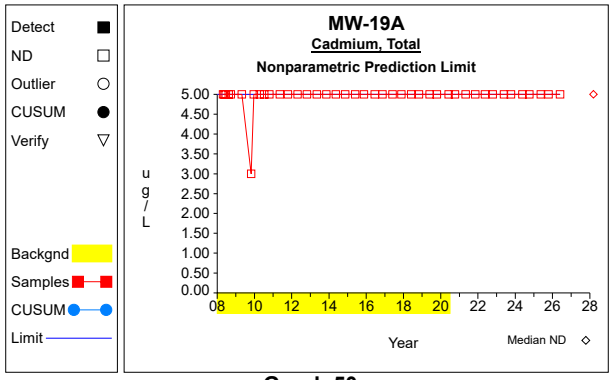
Graph 47



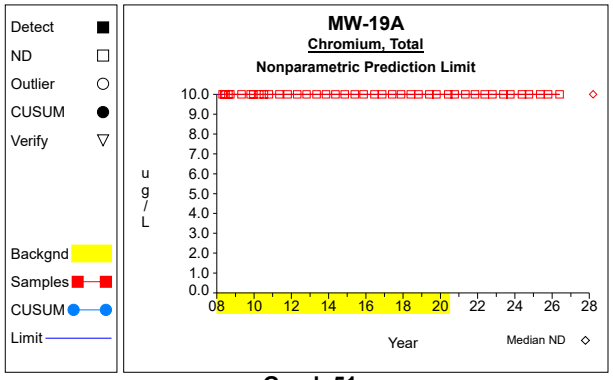
Graph 48



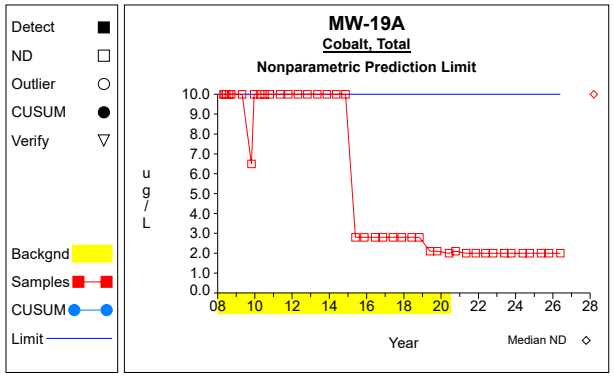
Graph 49



Graph 50



Graph 51



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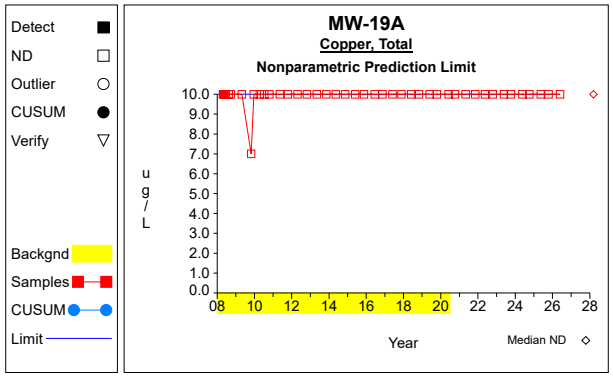
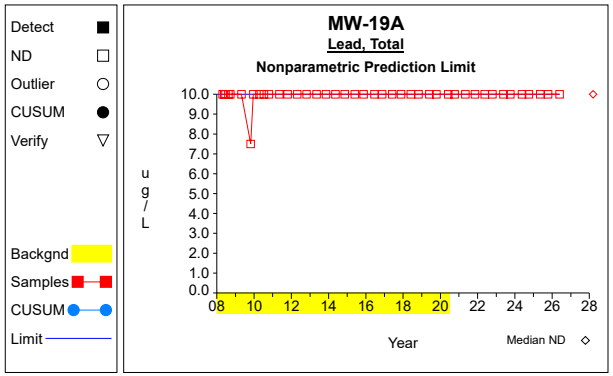


Graph 53



Graph 54

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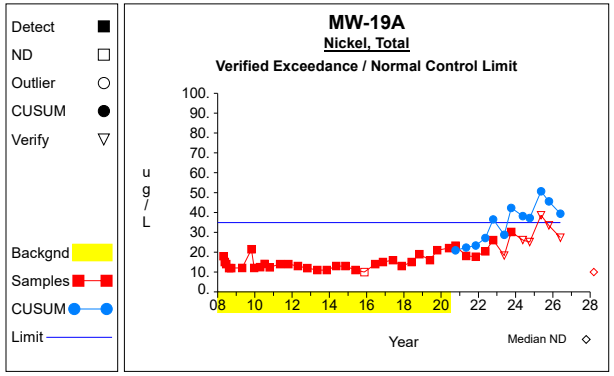
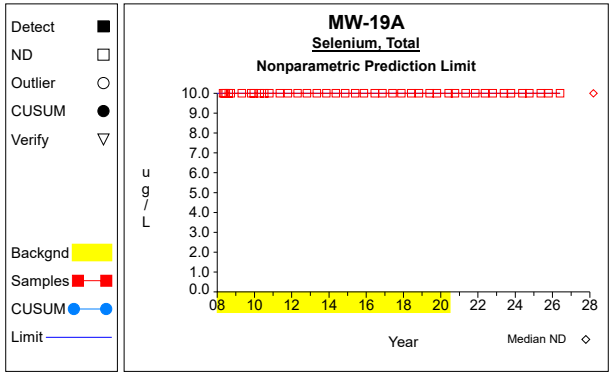
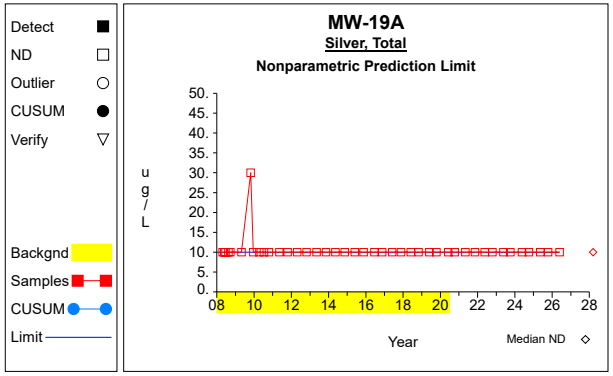
Intra-Well Control Charts / Prediction Limits



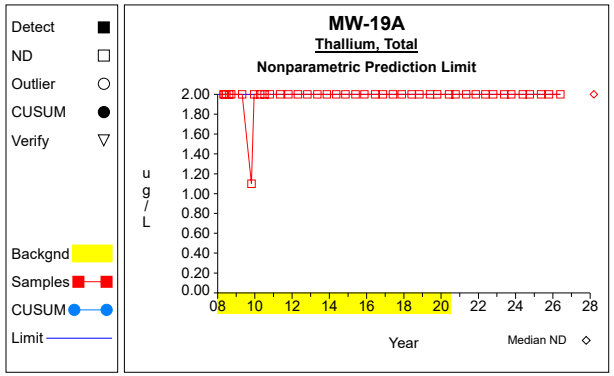
Graph 55



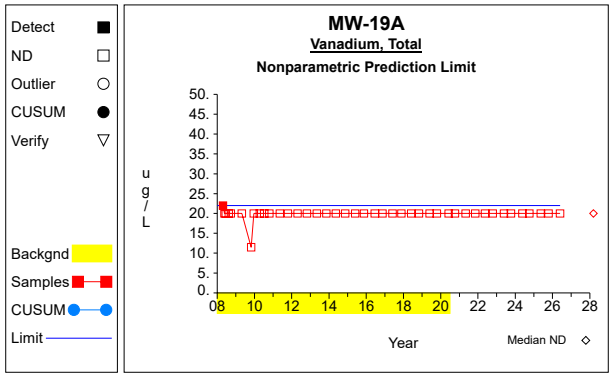
Graph 56



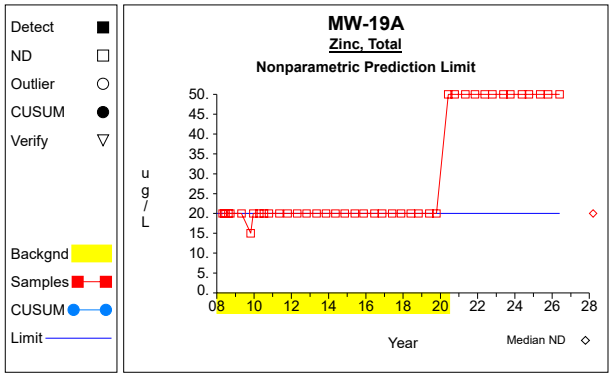
Graph 57



Graph 58

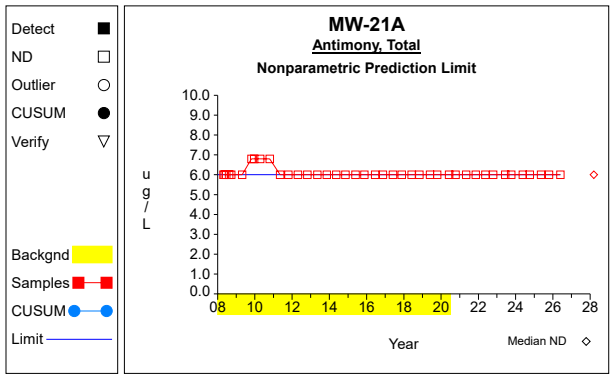


Graph 59

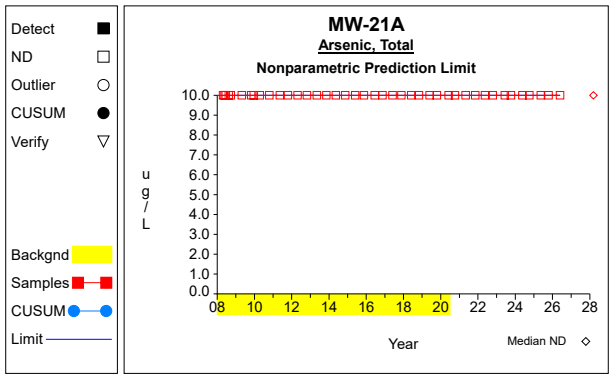


Graph 60

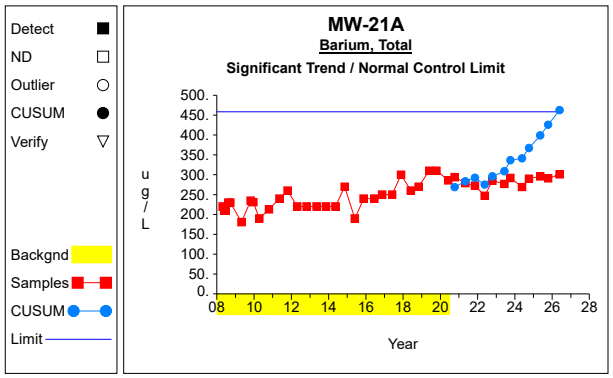
Intra-Well Control Charts / Prediction Limits



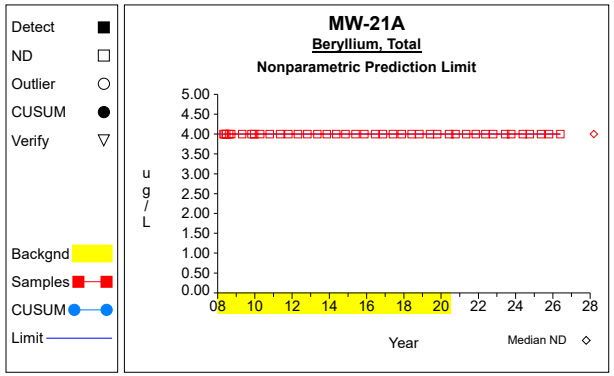
Graph 61



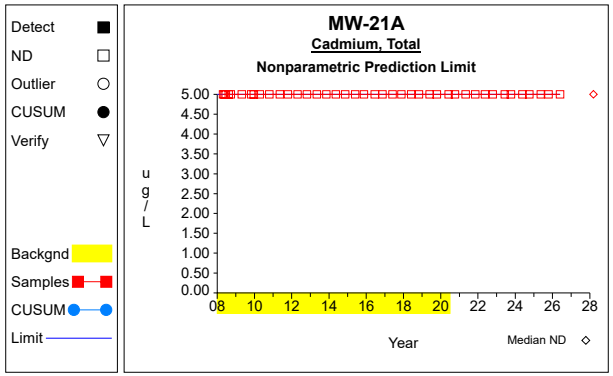
Graph 62



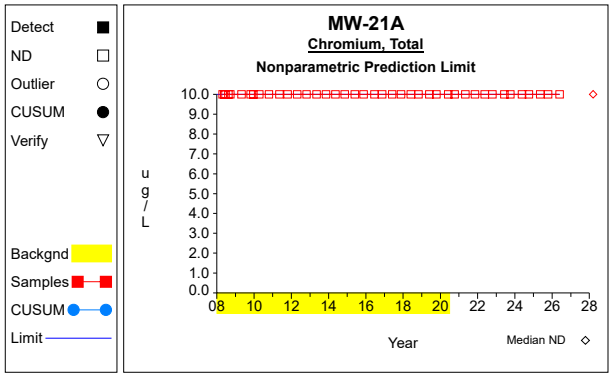
Graph 63



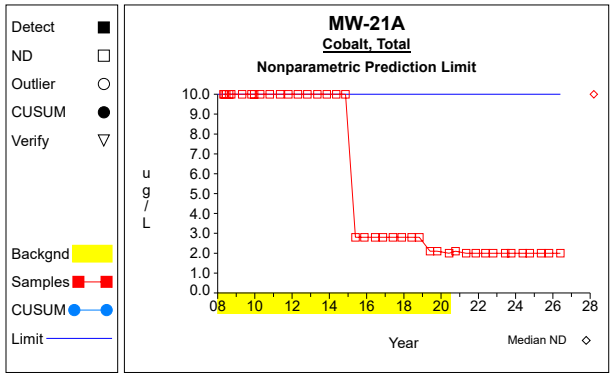
Graph 64



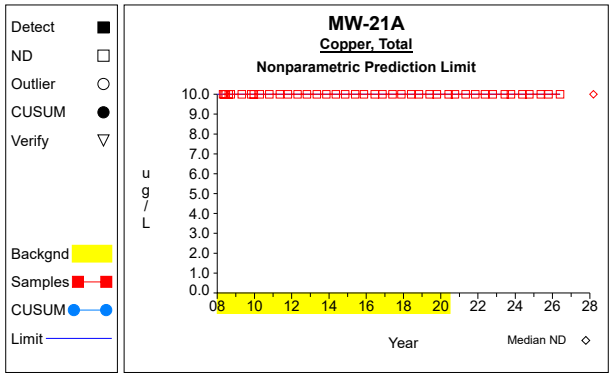
Graph 65



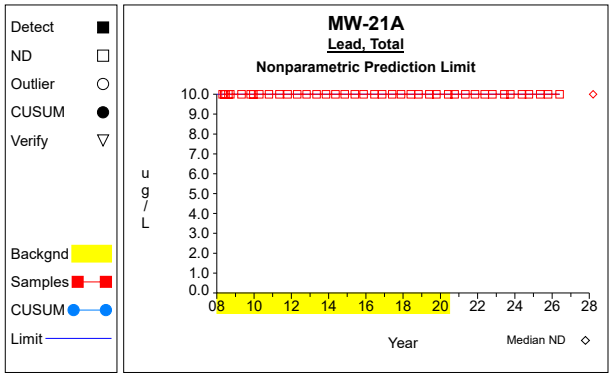
Graph 66



Graph 67

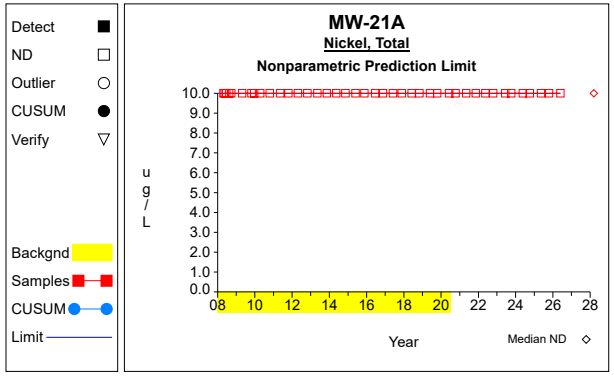


Graph 68

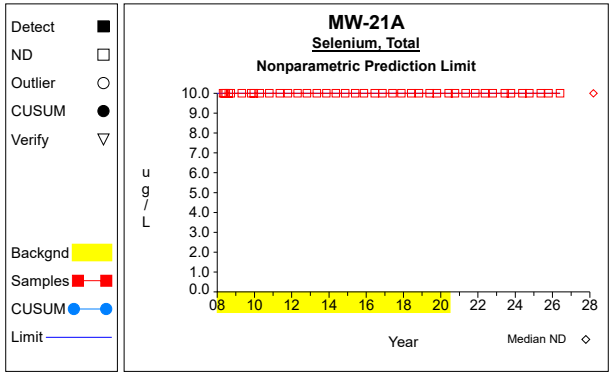


Graph 69

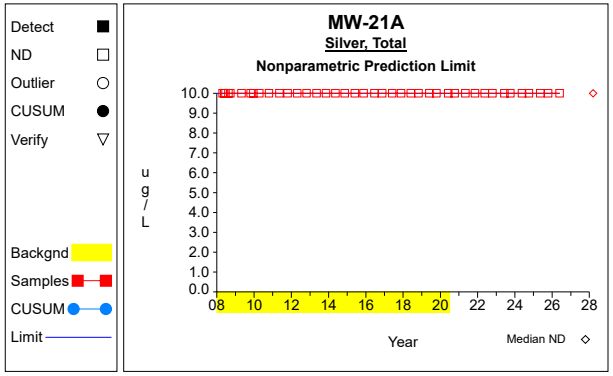
Intra-Well Control Charts / Prediction Limits



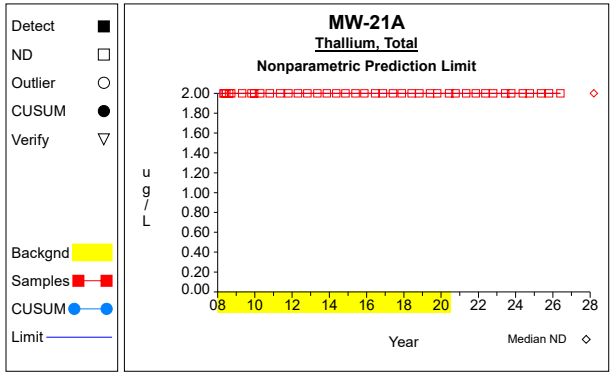
Graph 70



Graph 71



Graph 72



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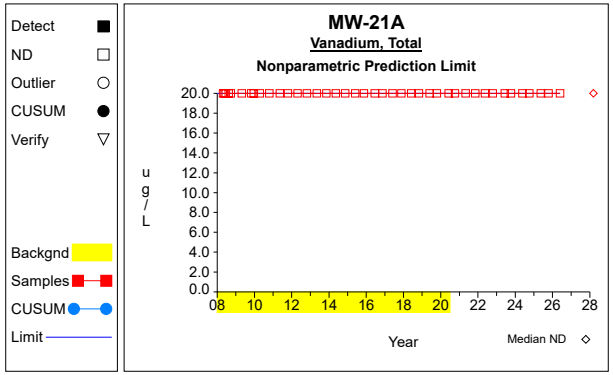
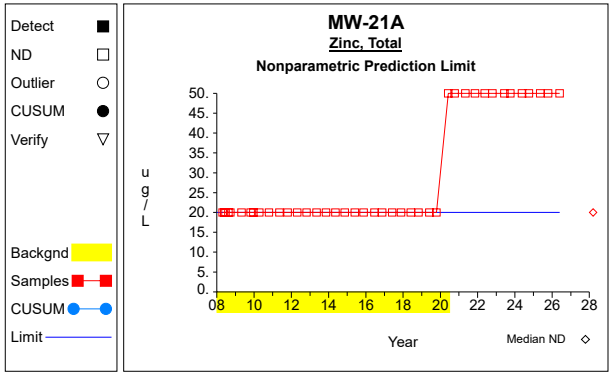
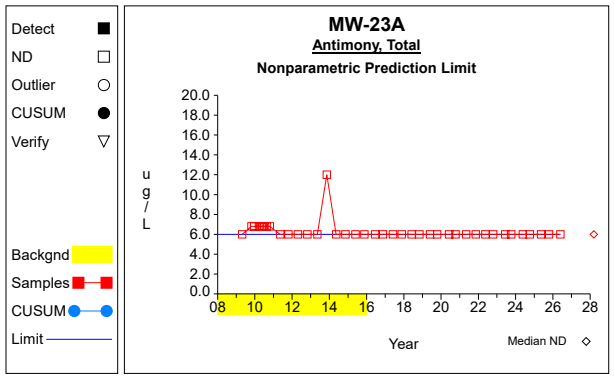


Graph 74

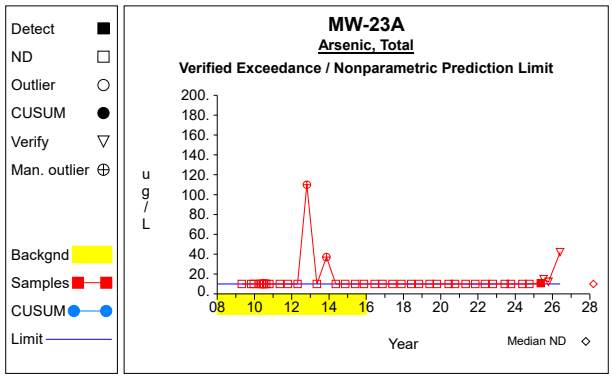


Graph 75

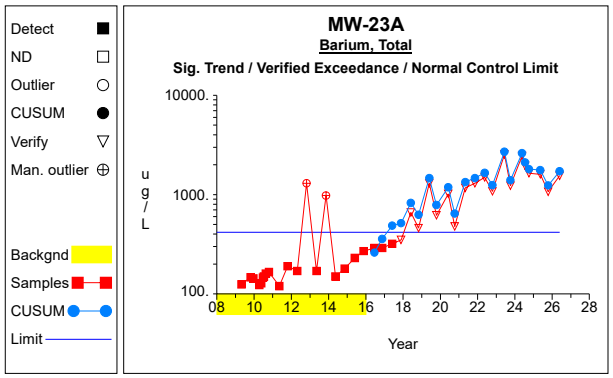
Intra-Well Control Charts / Prediction Limits



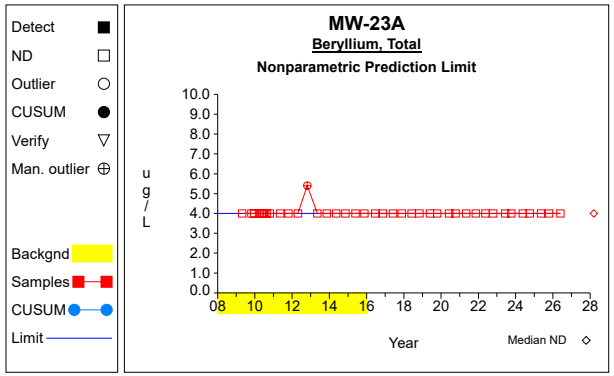
Graph 76



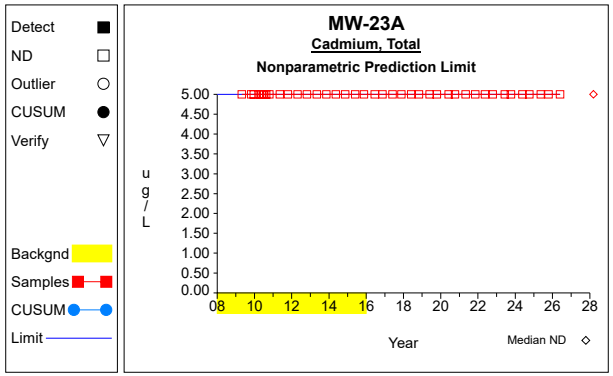
Graph 77



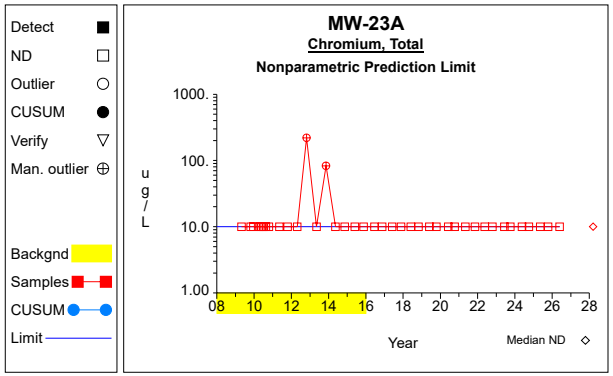
Graph 78



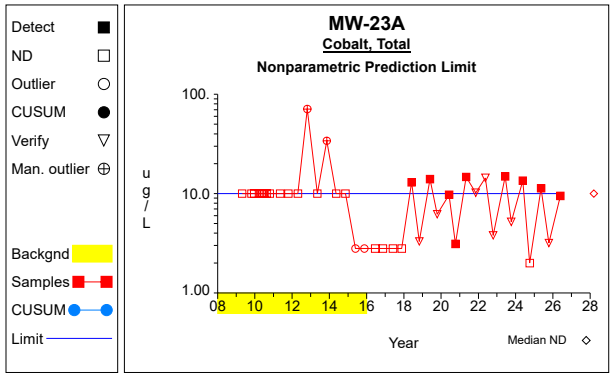
Graph 79



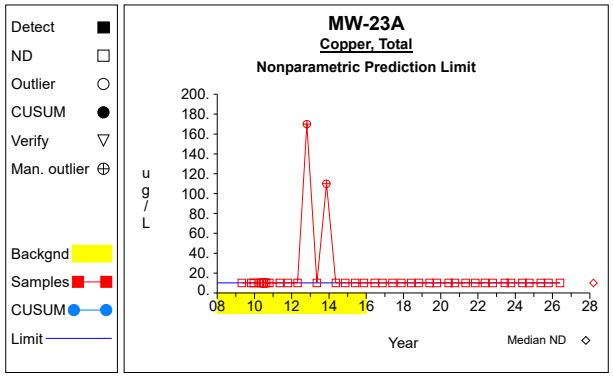
Graph 80



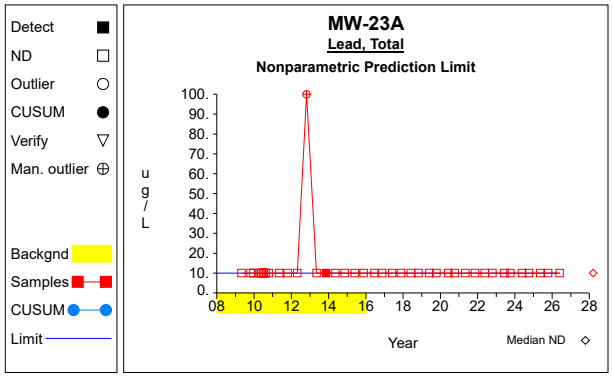
Graph 81



Graph 82



Graph 83



Graph 84

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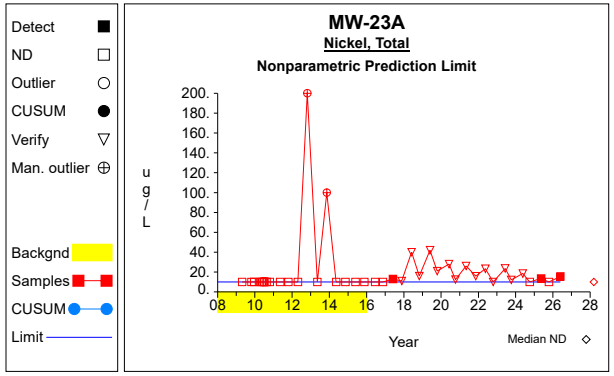
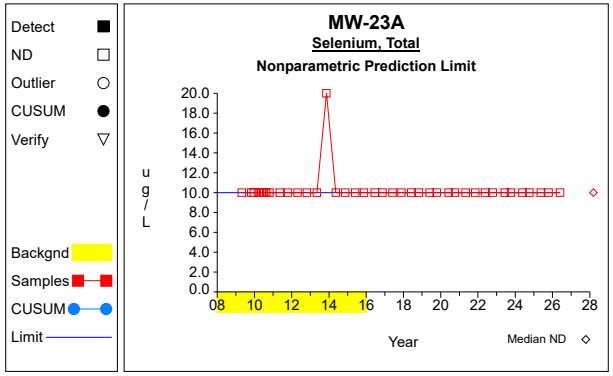
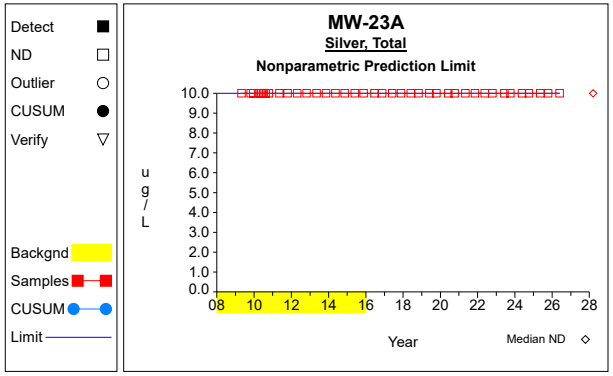
Intra-Well Control Charts / Prediction Limits



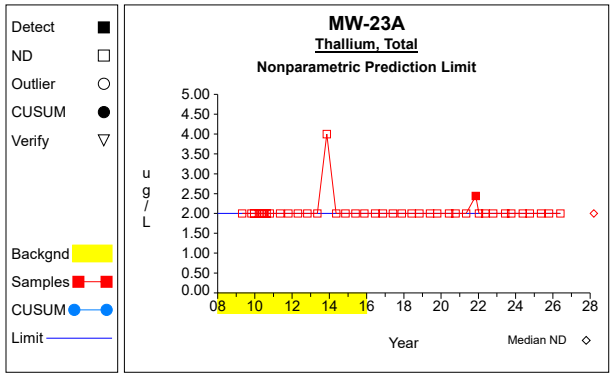
Graph 85



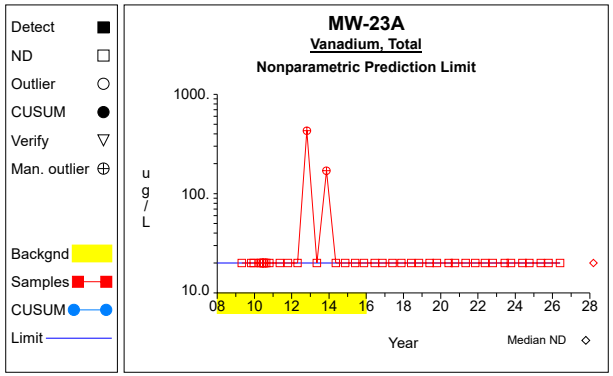
Graph 86



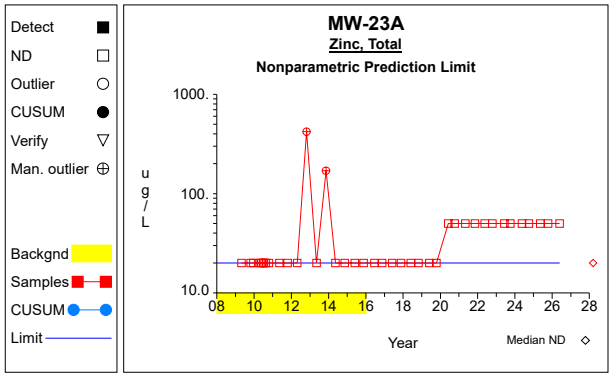
Graph 87



Graph 88

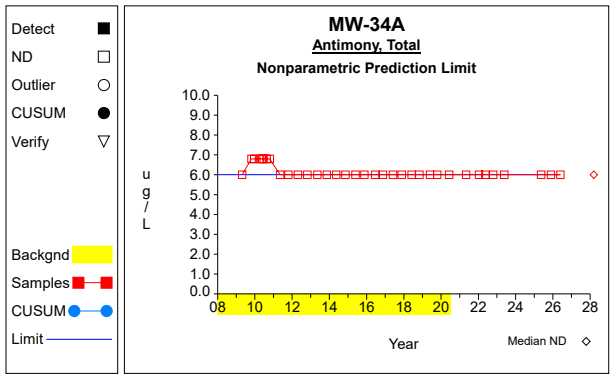


Graph 89

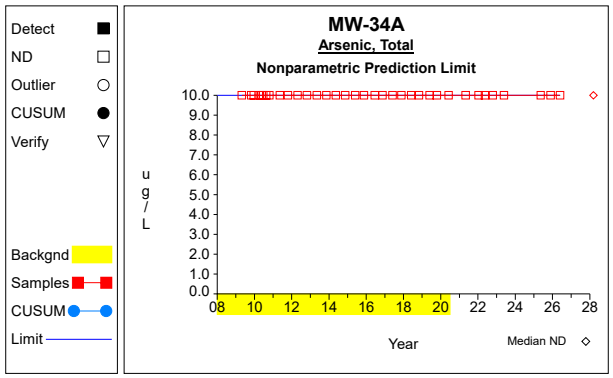


Graph 90

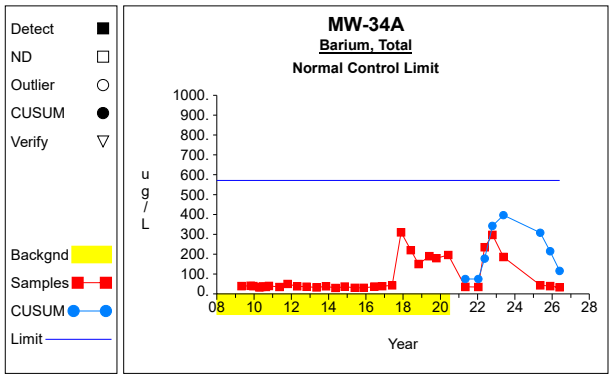
Intra-Well Control Charts / Prediction Limits



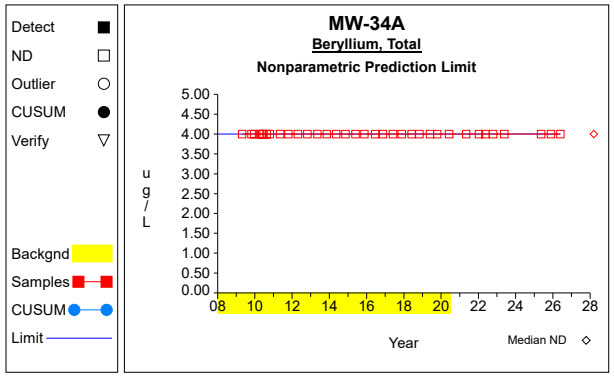
Graph 91



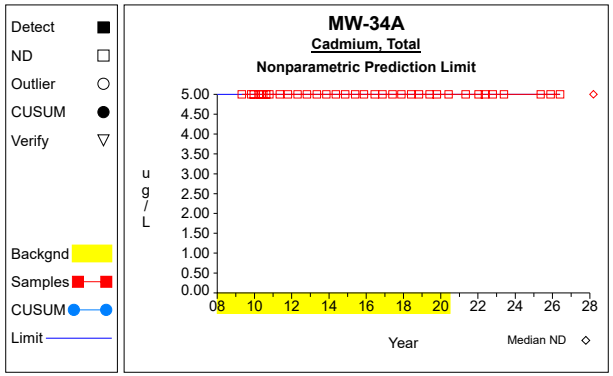
Graph 92



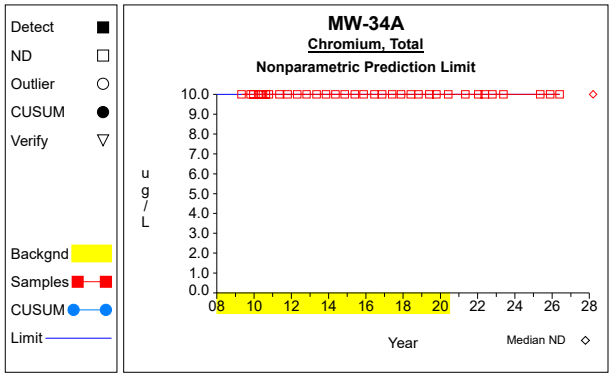
Graph 93



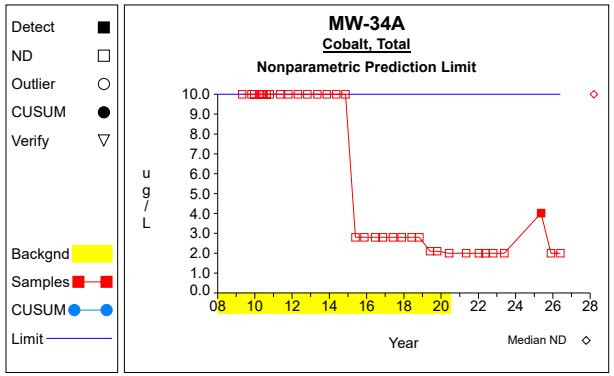
Graph 94



Graph 95



Graph 96



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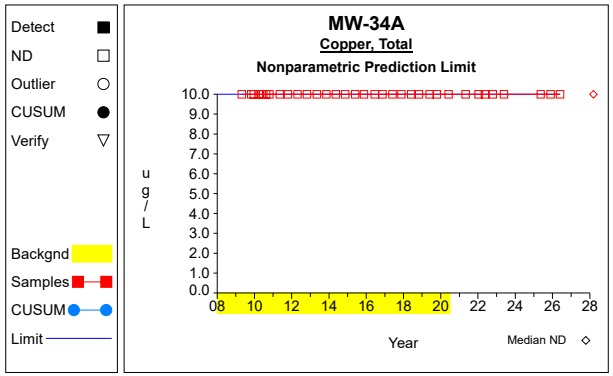
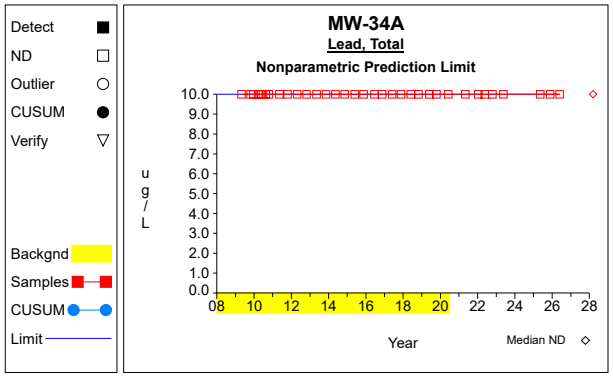
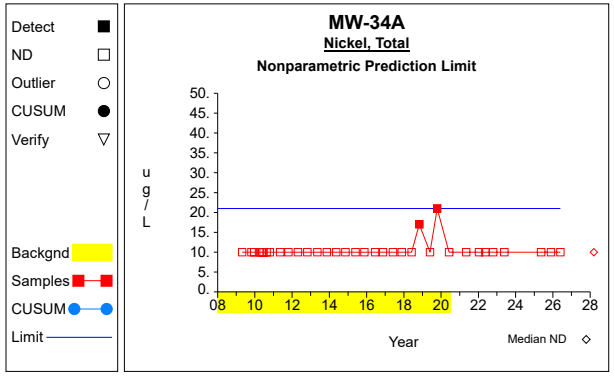


Graph 98

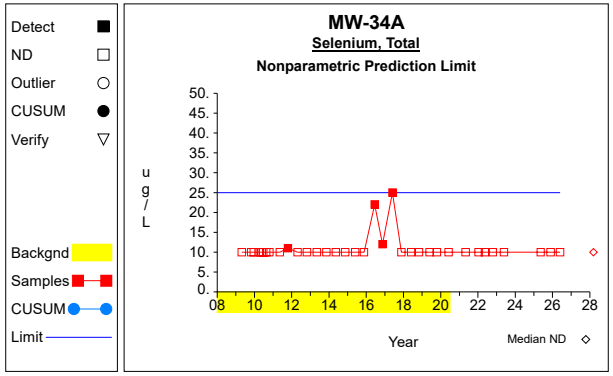


Graph 99

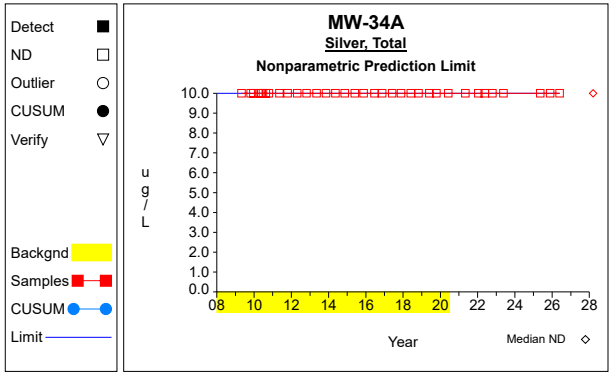
Intra-Well Control Charts / Prediction Limits



Graph 100



Graph 101



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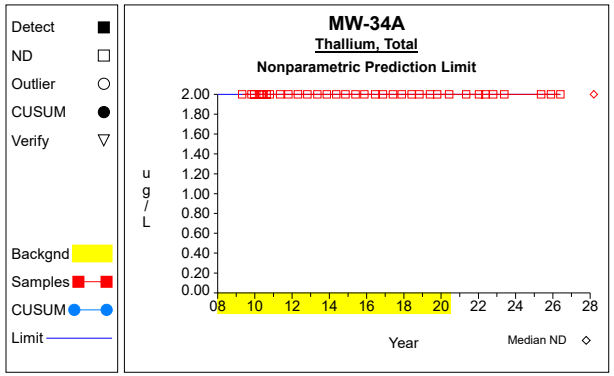
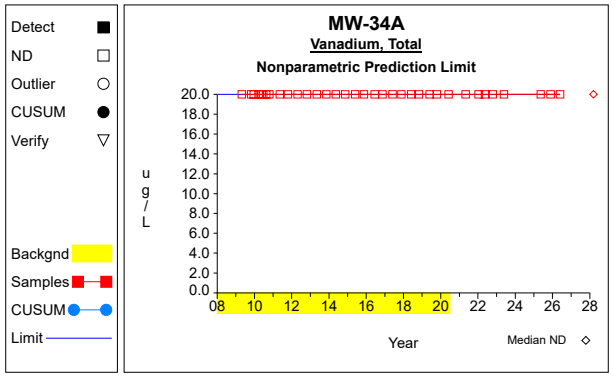
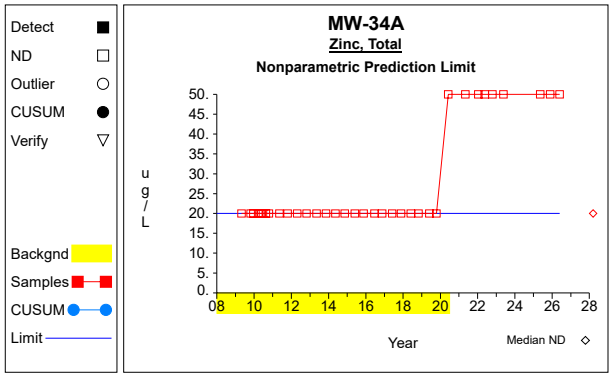


Graph 103

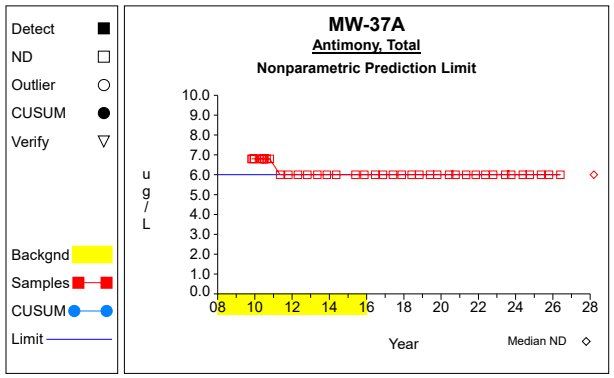


Graph 104

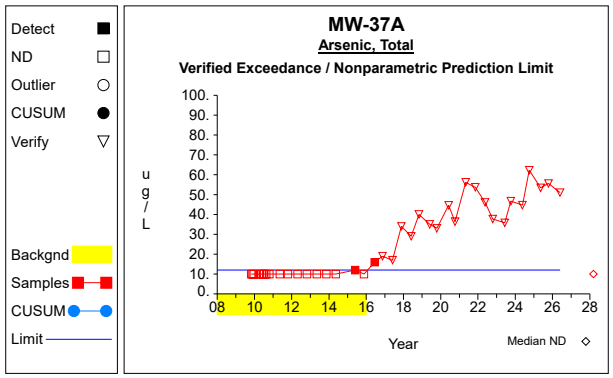


Graph 105

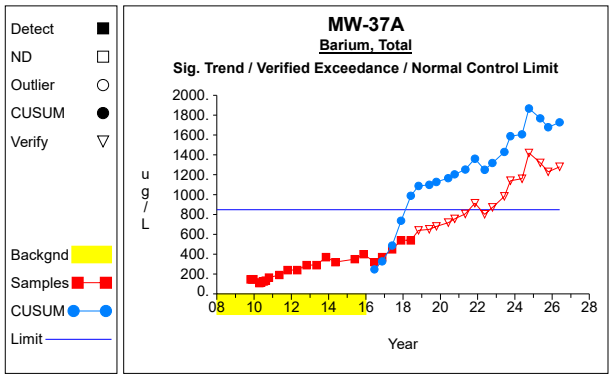
Intra-Well Control Charts / Prediction Limits



Graph 106



Graph 107



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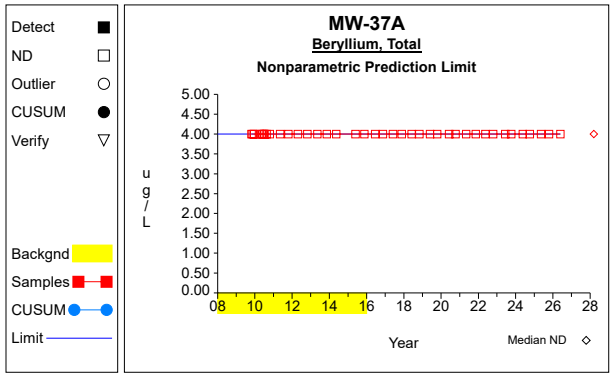

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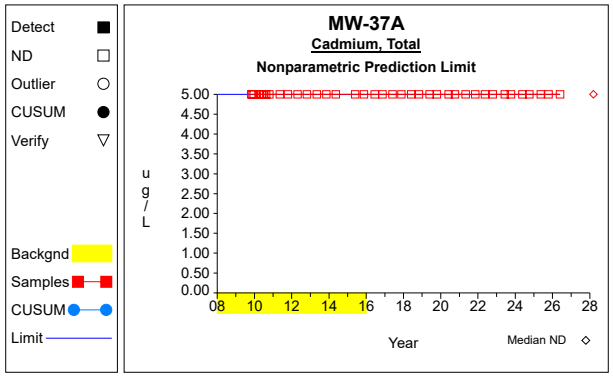

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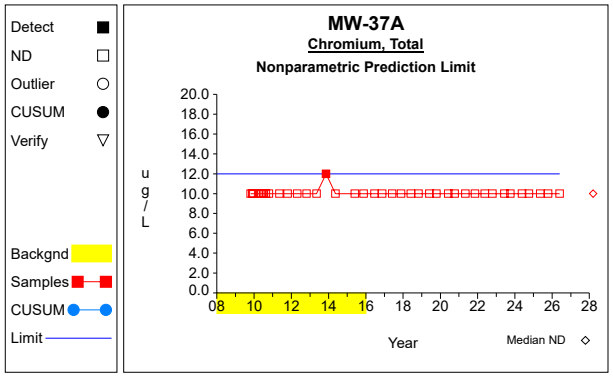

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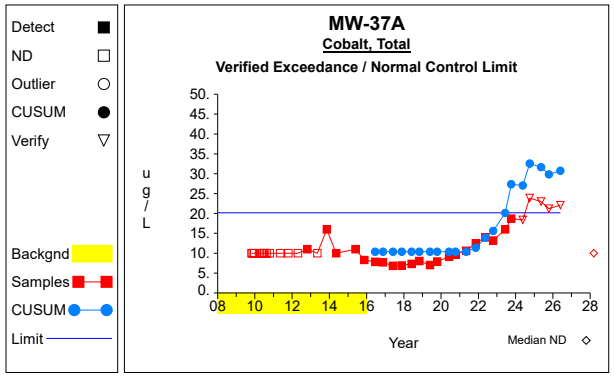

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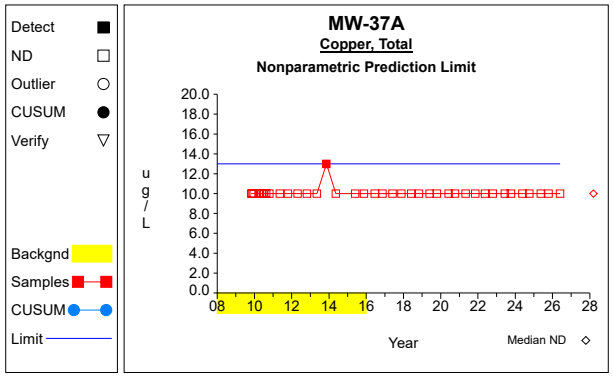
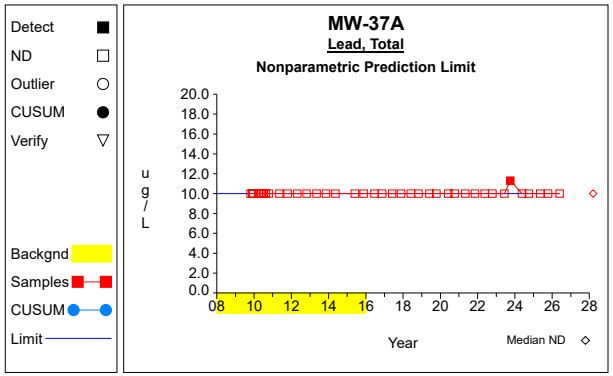


Graph 113



Graph 114

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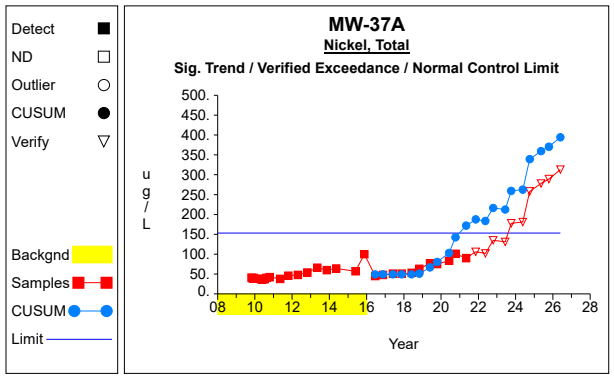
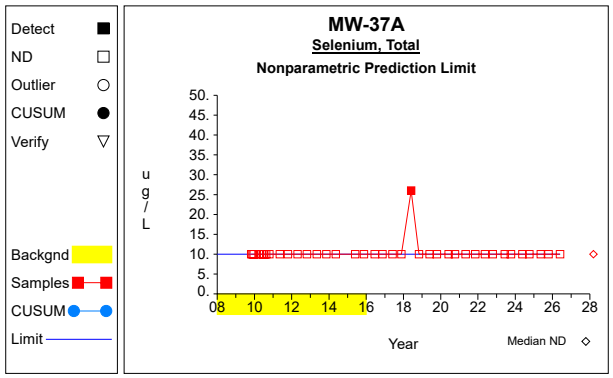
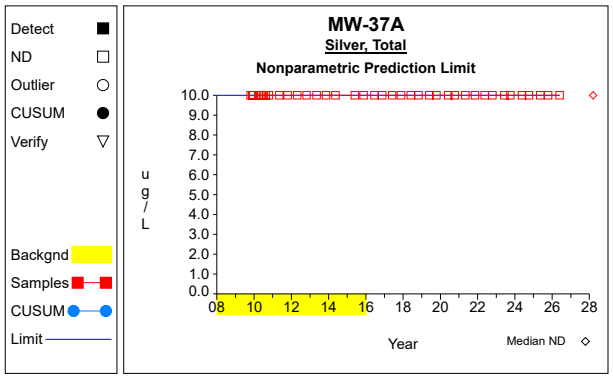
Intra-Well Control Charts / Prediction Limits



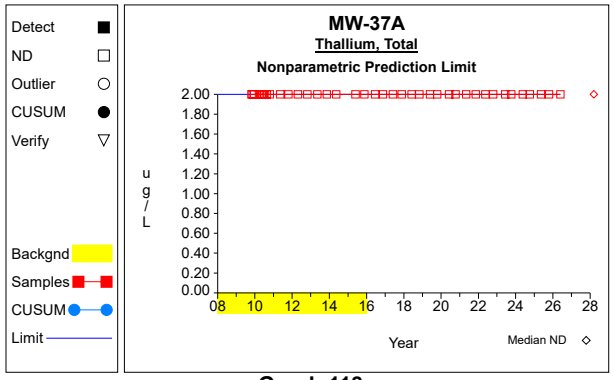
Graph 115



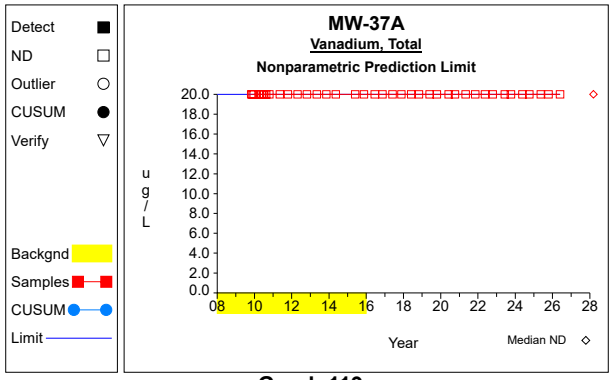
Graph 116



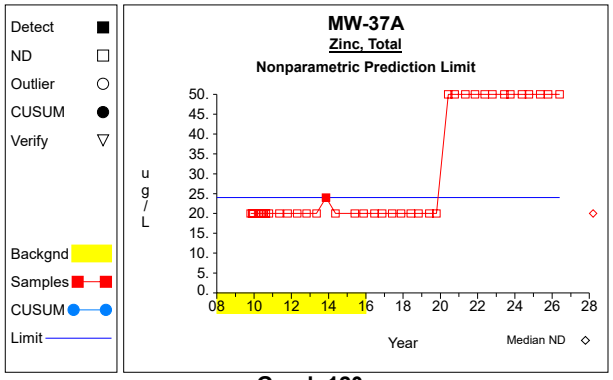
Graph 117



Graph 118

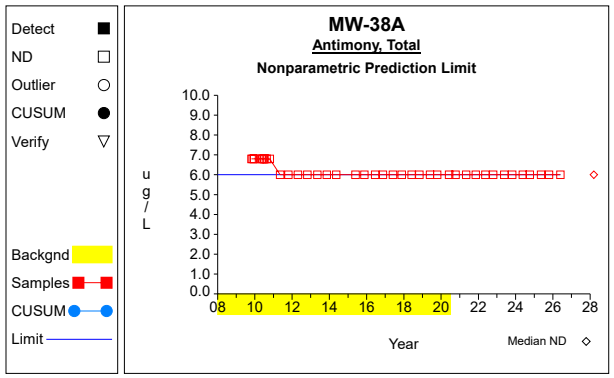


Graph 119

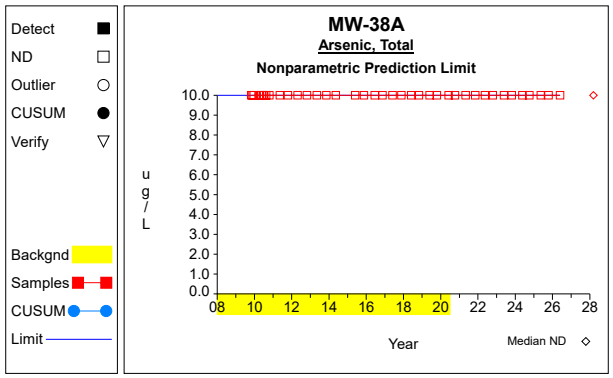


Graph 120

Intra-Well Control Charts / Prediction Limits



Graph 121



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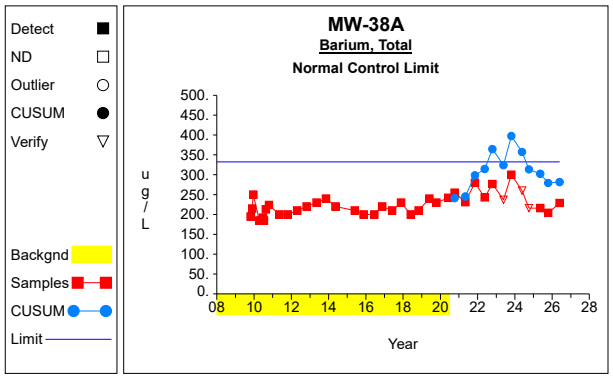

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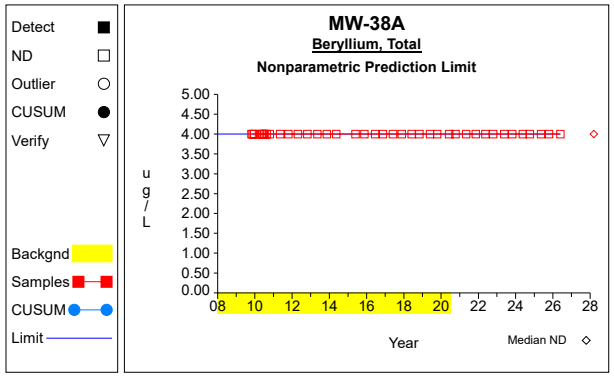
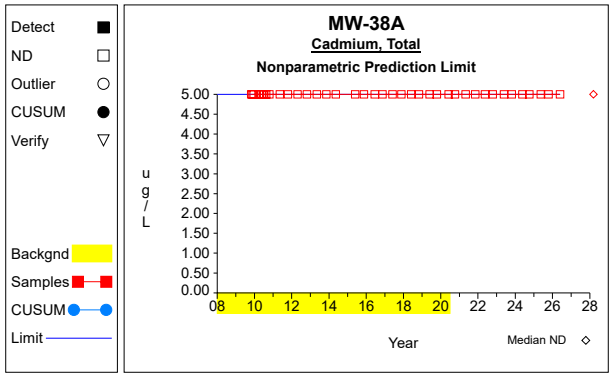
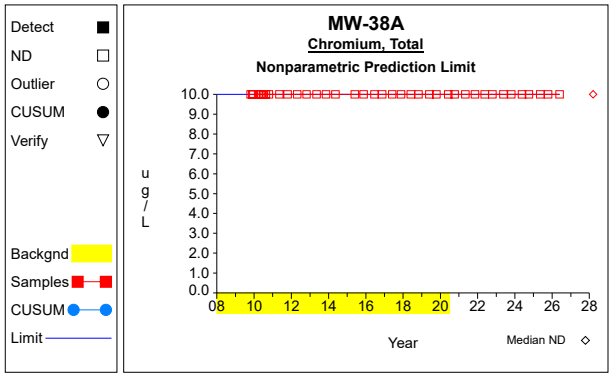


Graph 124



Graph 125



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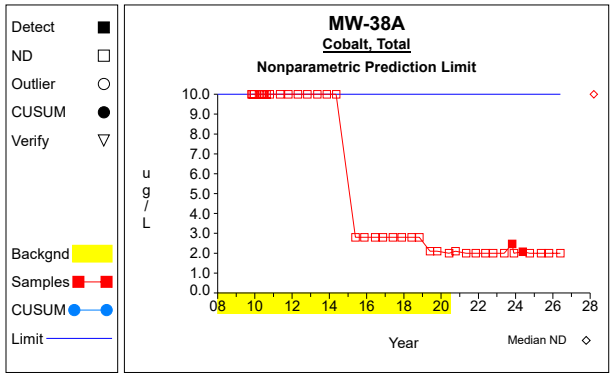

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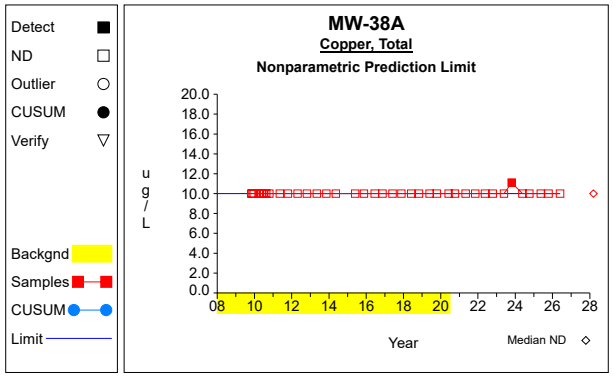
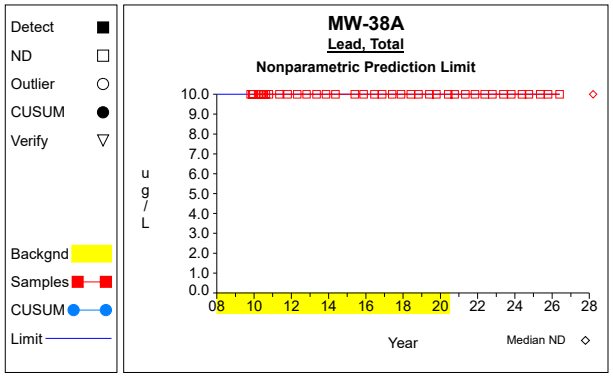


Graph 128



Graph 129

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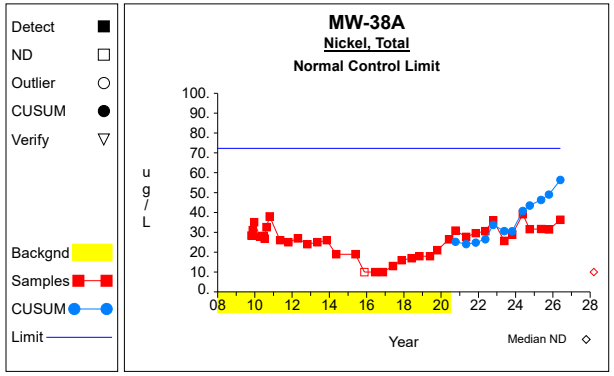
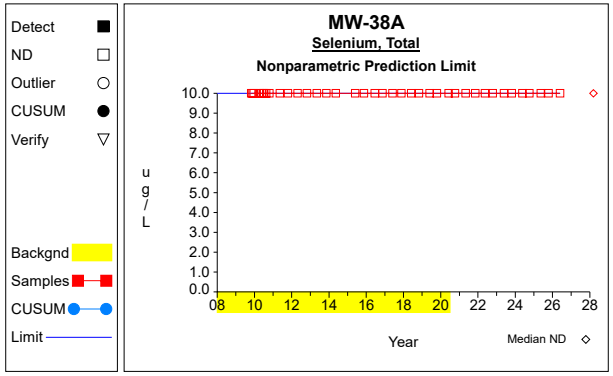
Intra-Well Control Charts / Prediction Limits



Graph 130



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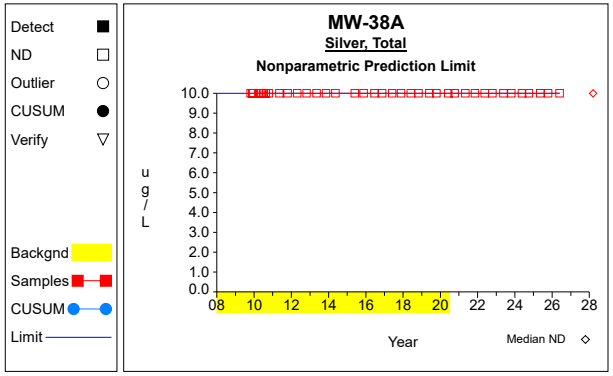

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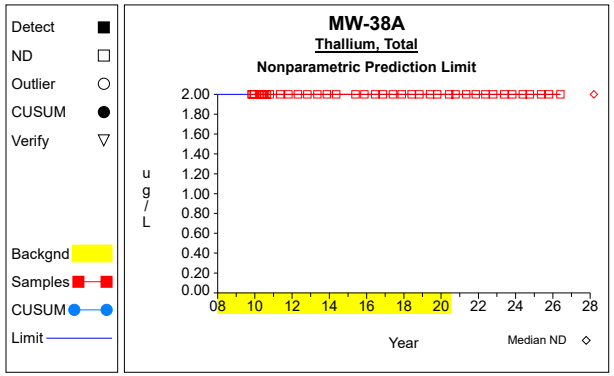

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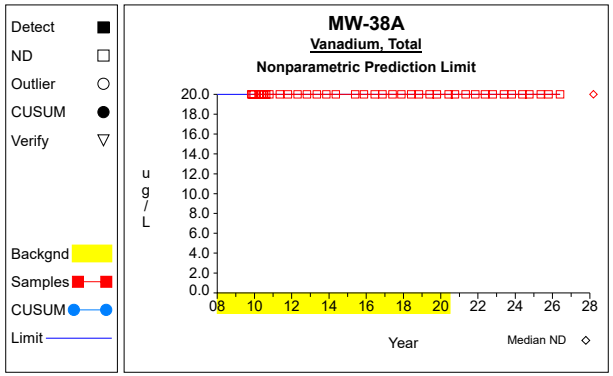
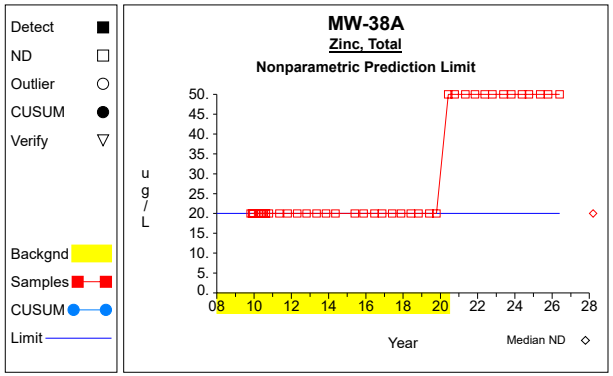
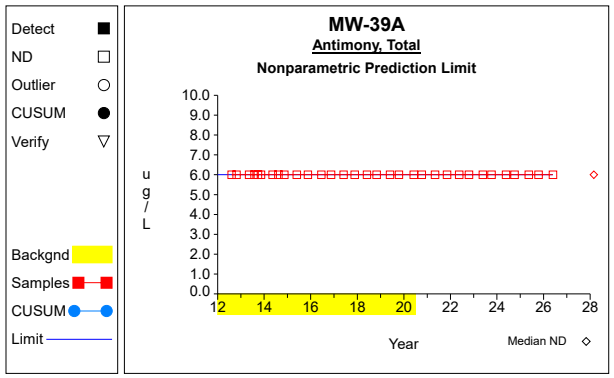


Graph 134



Graph 135

Intra-Well Control Charts / Prediction Limits



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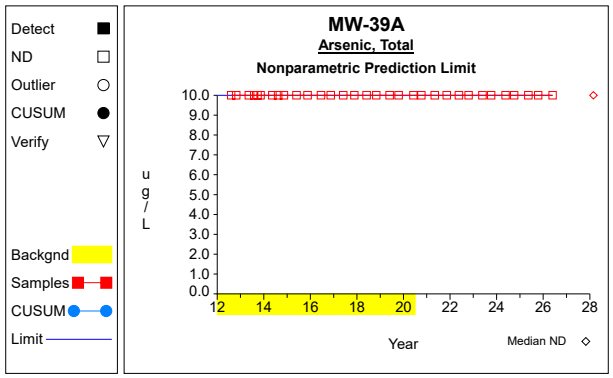

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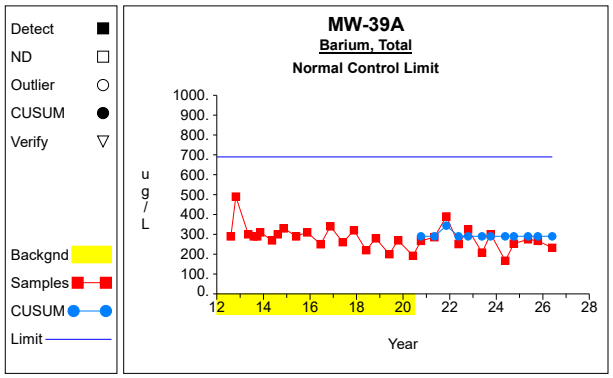
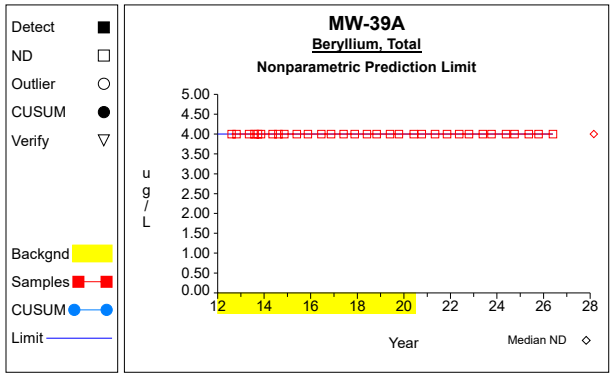


Graph 138



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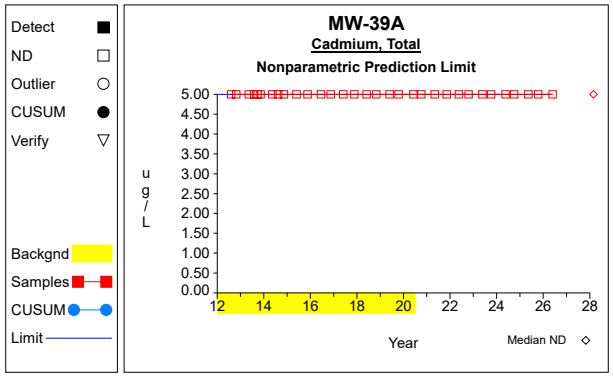

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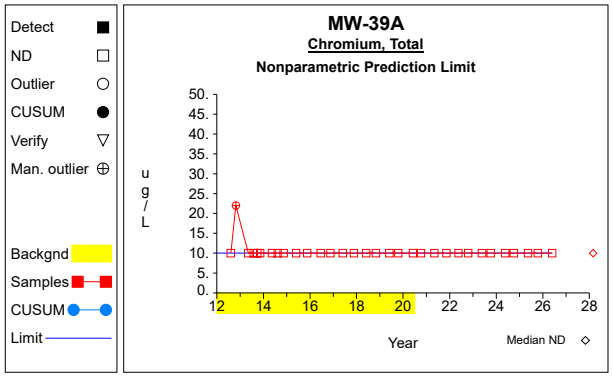
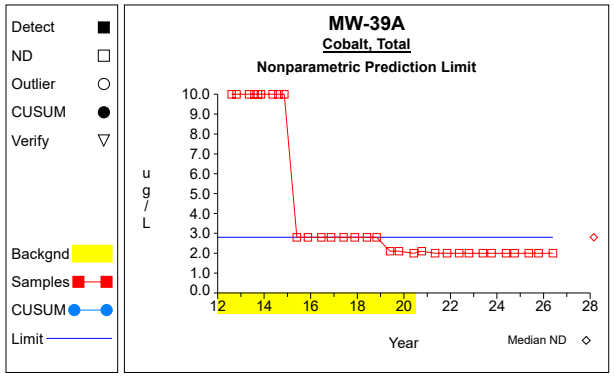


Graph 141



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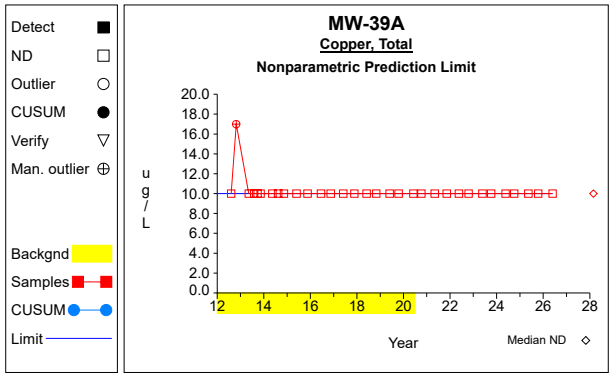

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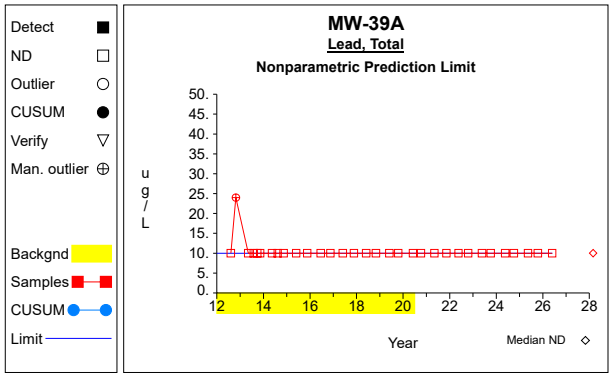

Graph 144

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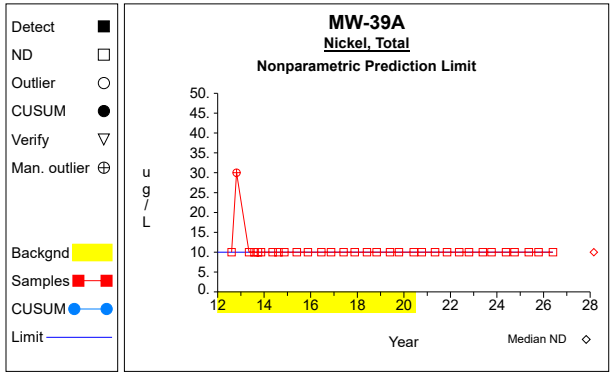
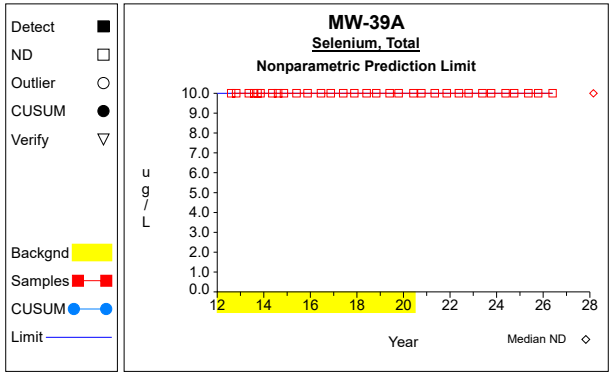
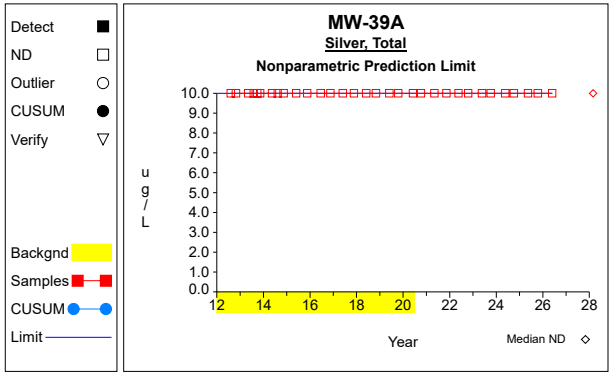
Intra-Well Control Charts / Prediction Limits



Graph 145



Graph 146



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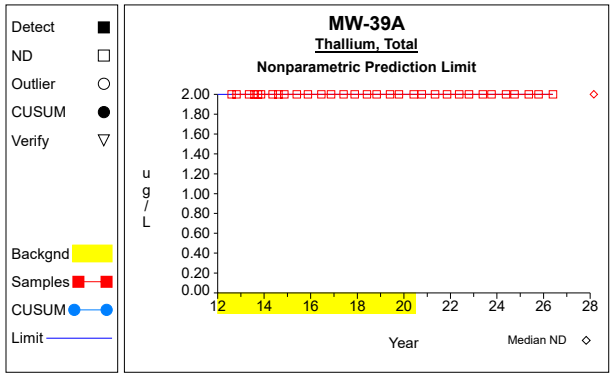
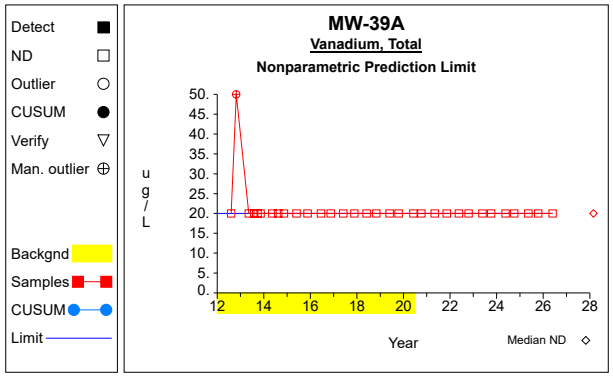
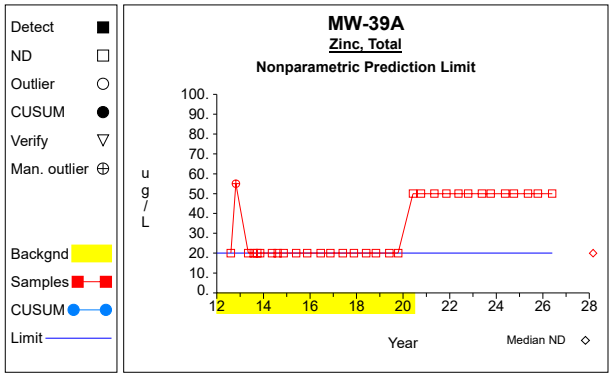


Graph 148

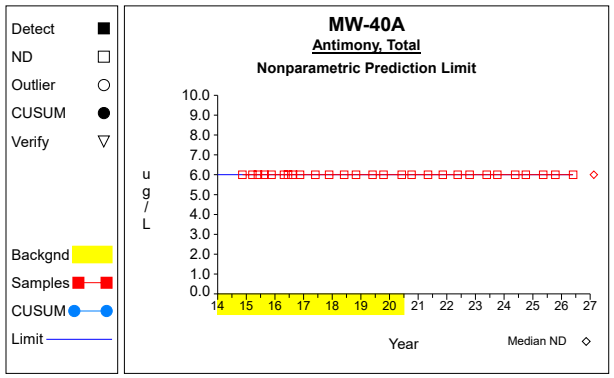


Graph 149

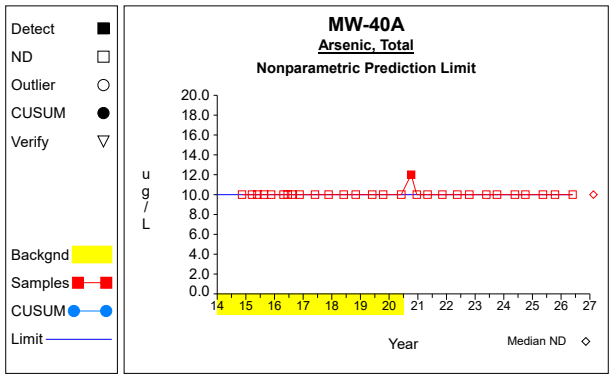


Graph 150

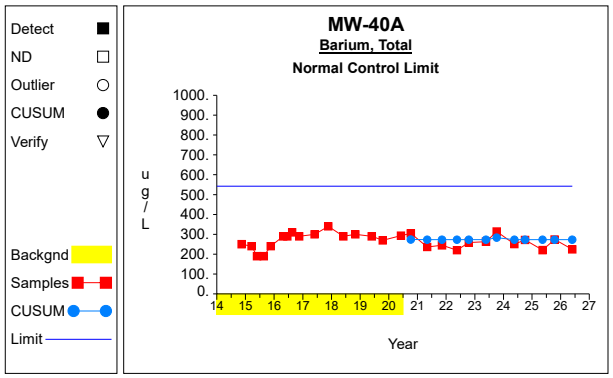
Intra-Well Control Charts / Prediction Limits



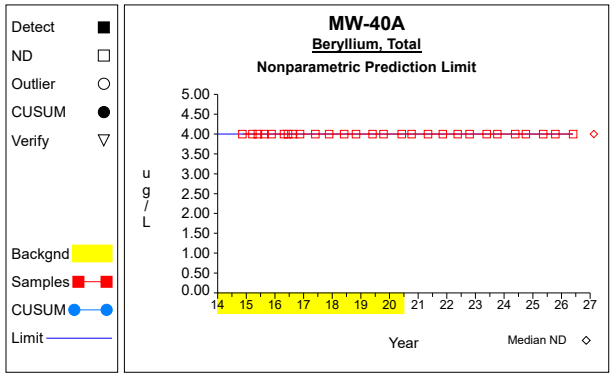
Graph 151



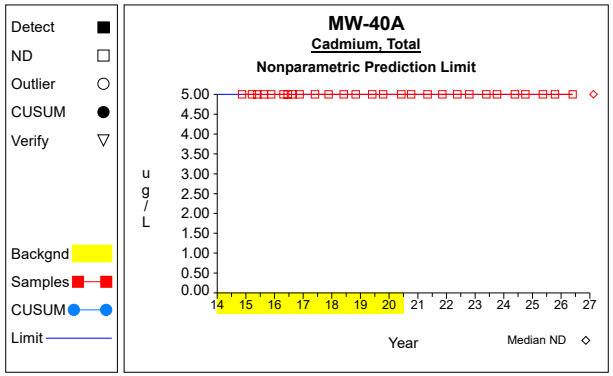
Graph 152



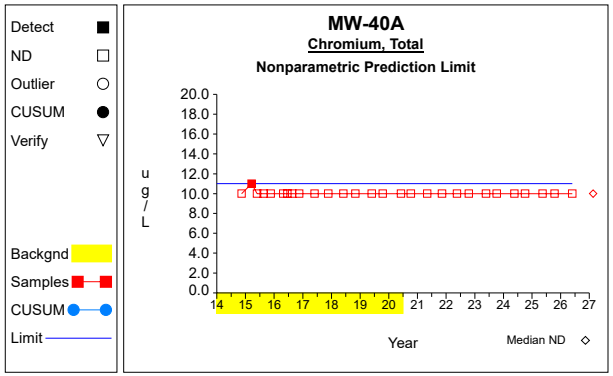
Graph 153



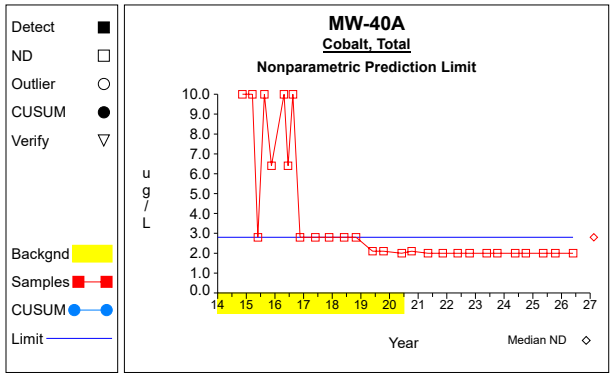
Graph 154



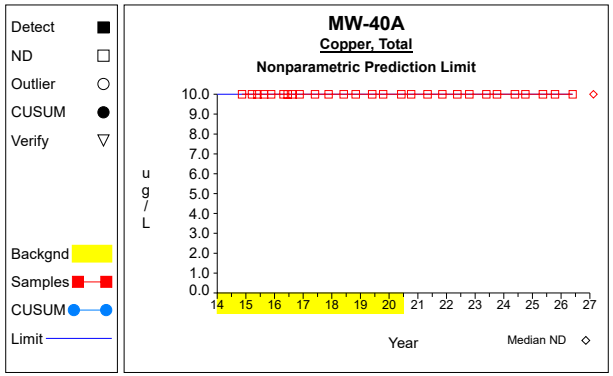
Graph 155



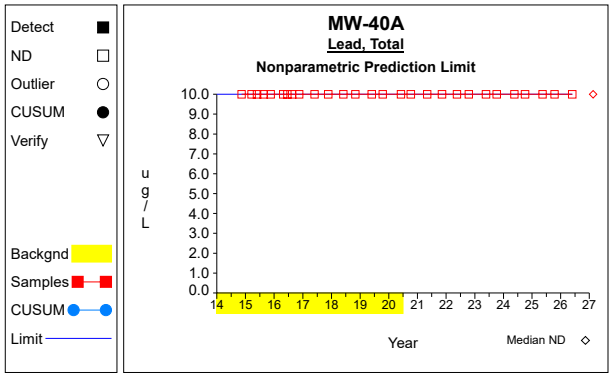
Graph 156



Graph 157



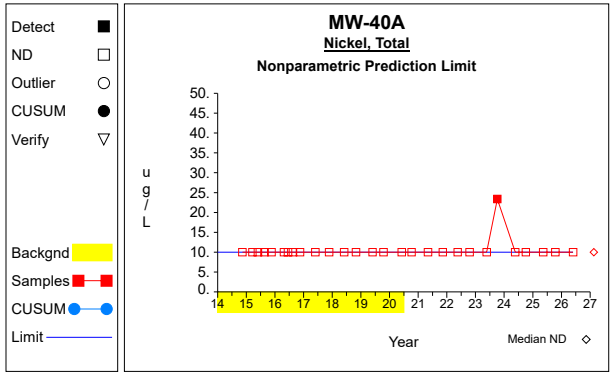
Graph 158



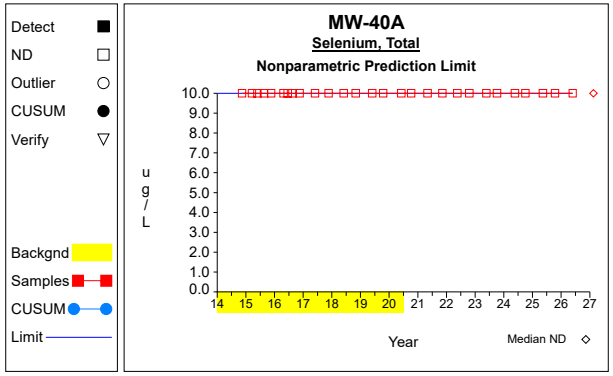
Graph 159

Prepared by: Otter Creek Environmental

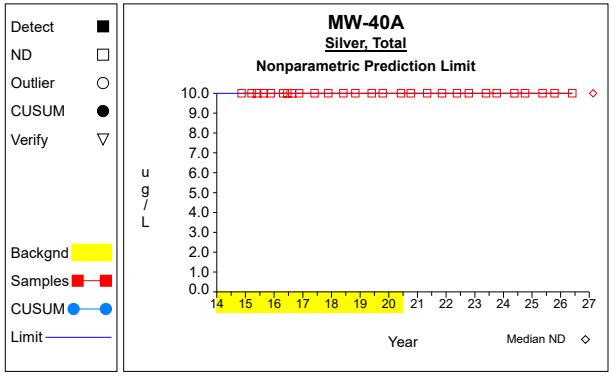
Intra-Well Control Charts / Prediction Limits



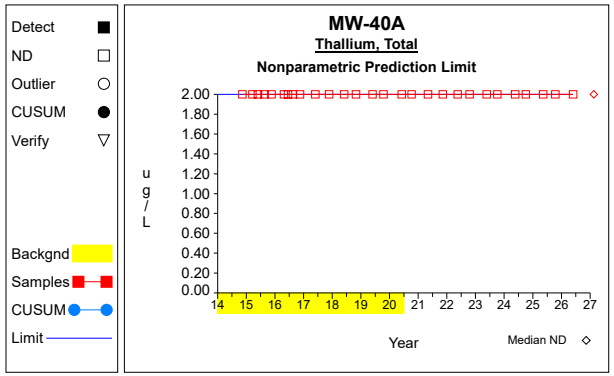
Graph 160



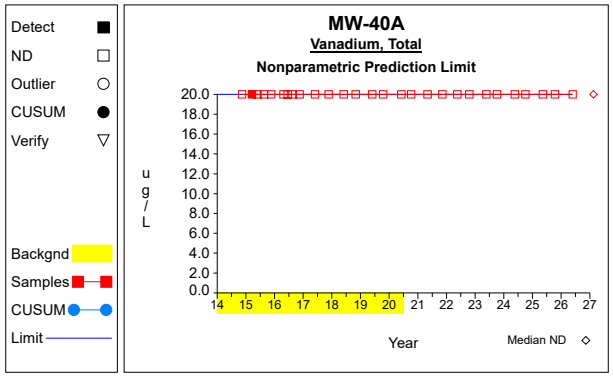
Graph 161



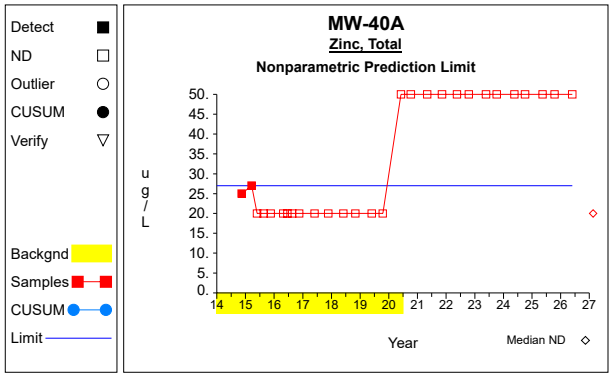
Graph 162



Graph 163

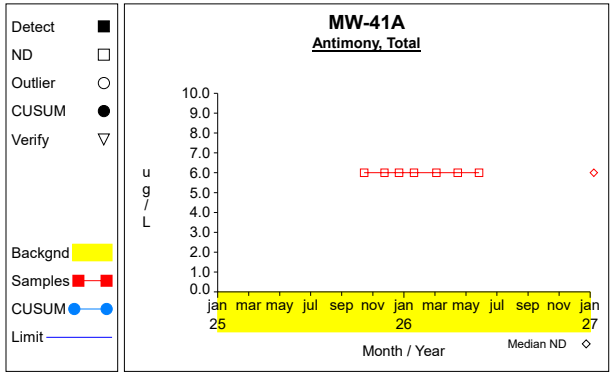


Graph 164

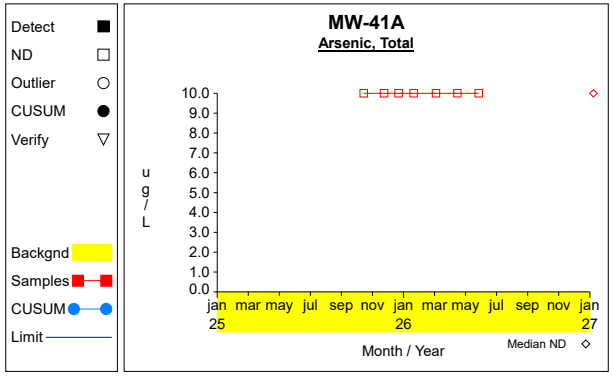


Graph 165

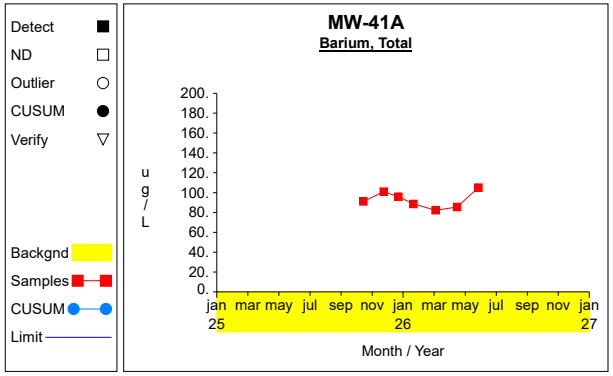
Intra-Well Control Charts / Prediction Limits



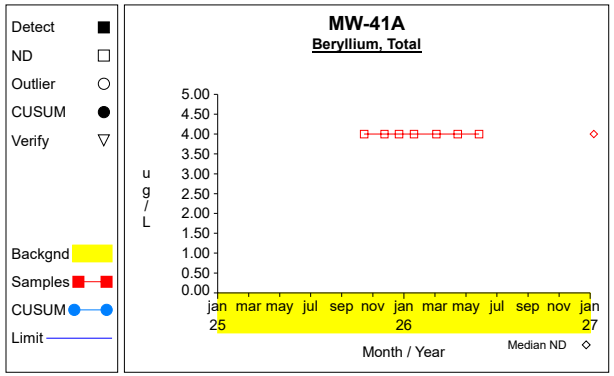
Graph 166



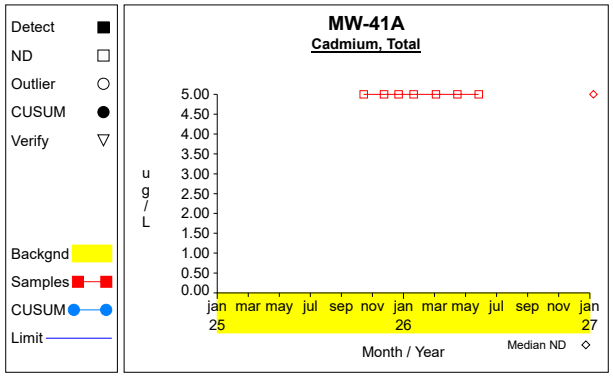
Graph 167



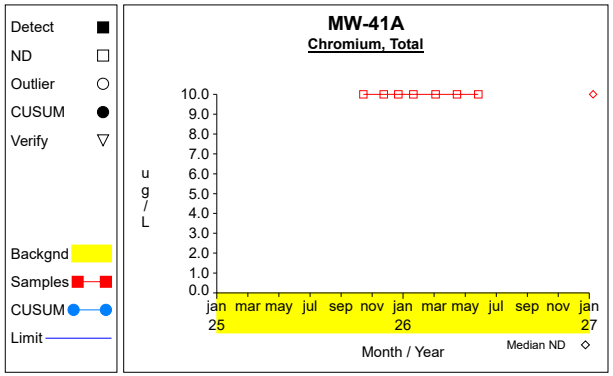
Graph 168



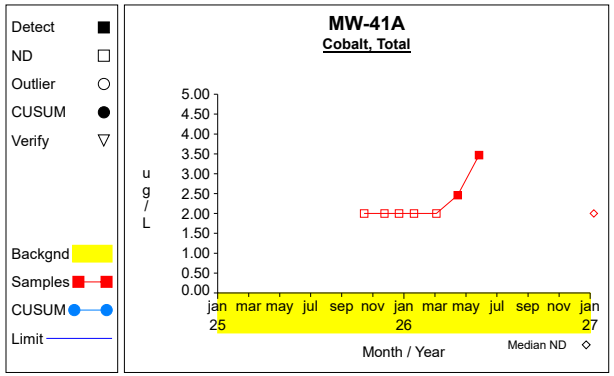
Graph 169



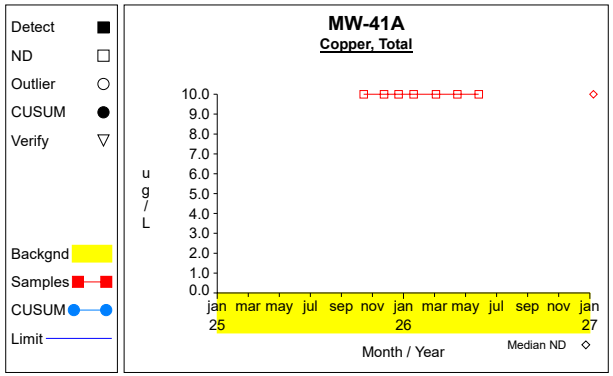
Graph 170



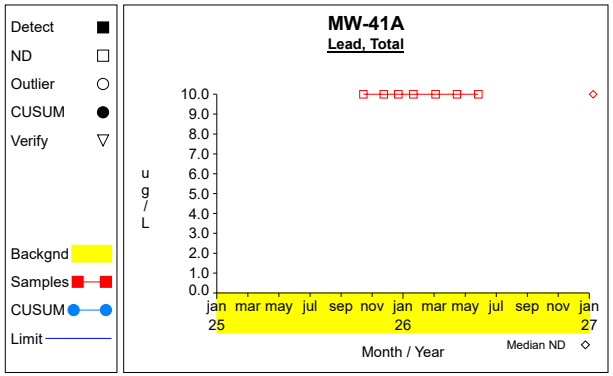
Graph 171



Graph 172



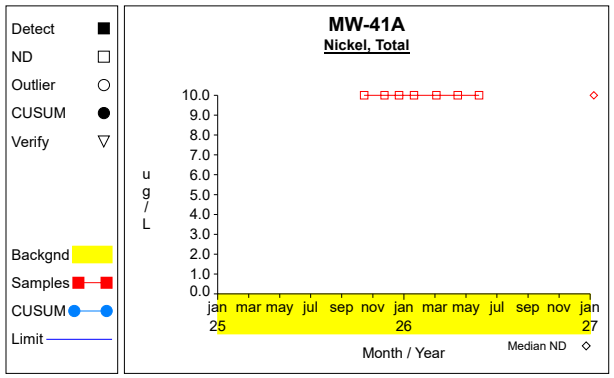
Graph 173



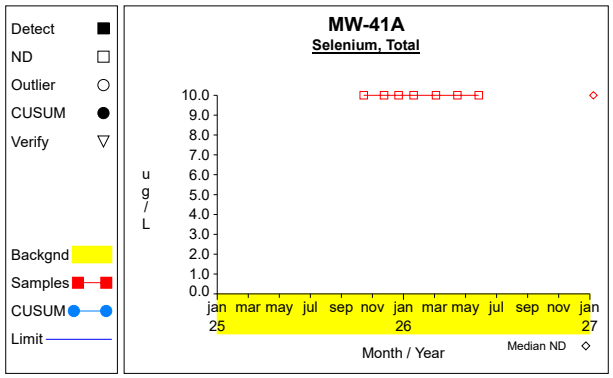
Graph 174

Prepared by: Otter Creek Environmental

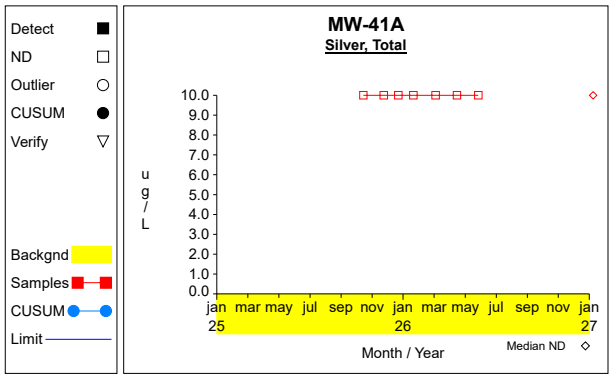
Intra-Well Control Charts / Prediction Limits



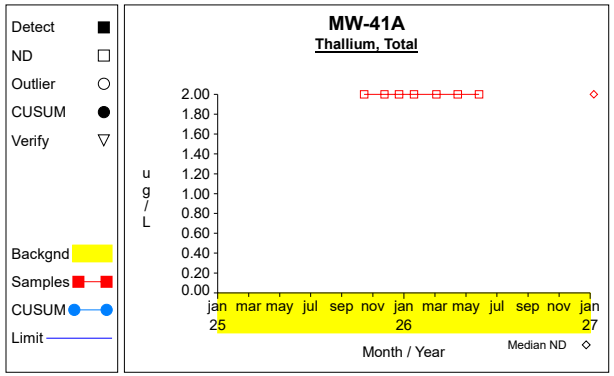
Graph 175



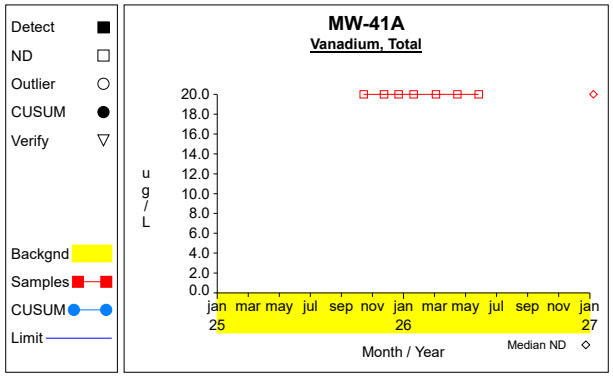
Graph 176



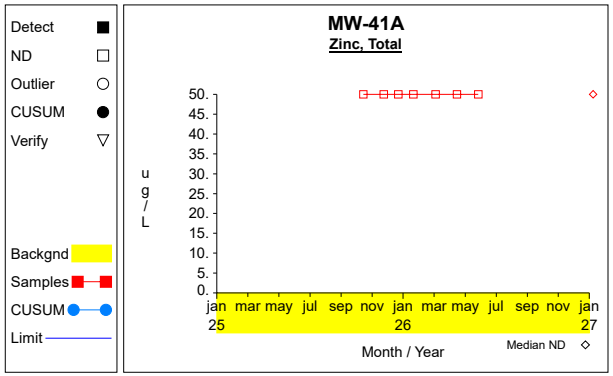
Graph 177



Graph 178



Graph 179



Graph 180

False Positive and False Negative Rates for Current Intra-Well Control Charts Monitoring Program

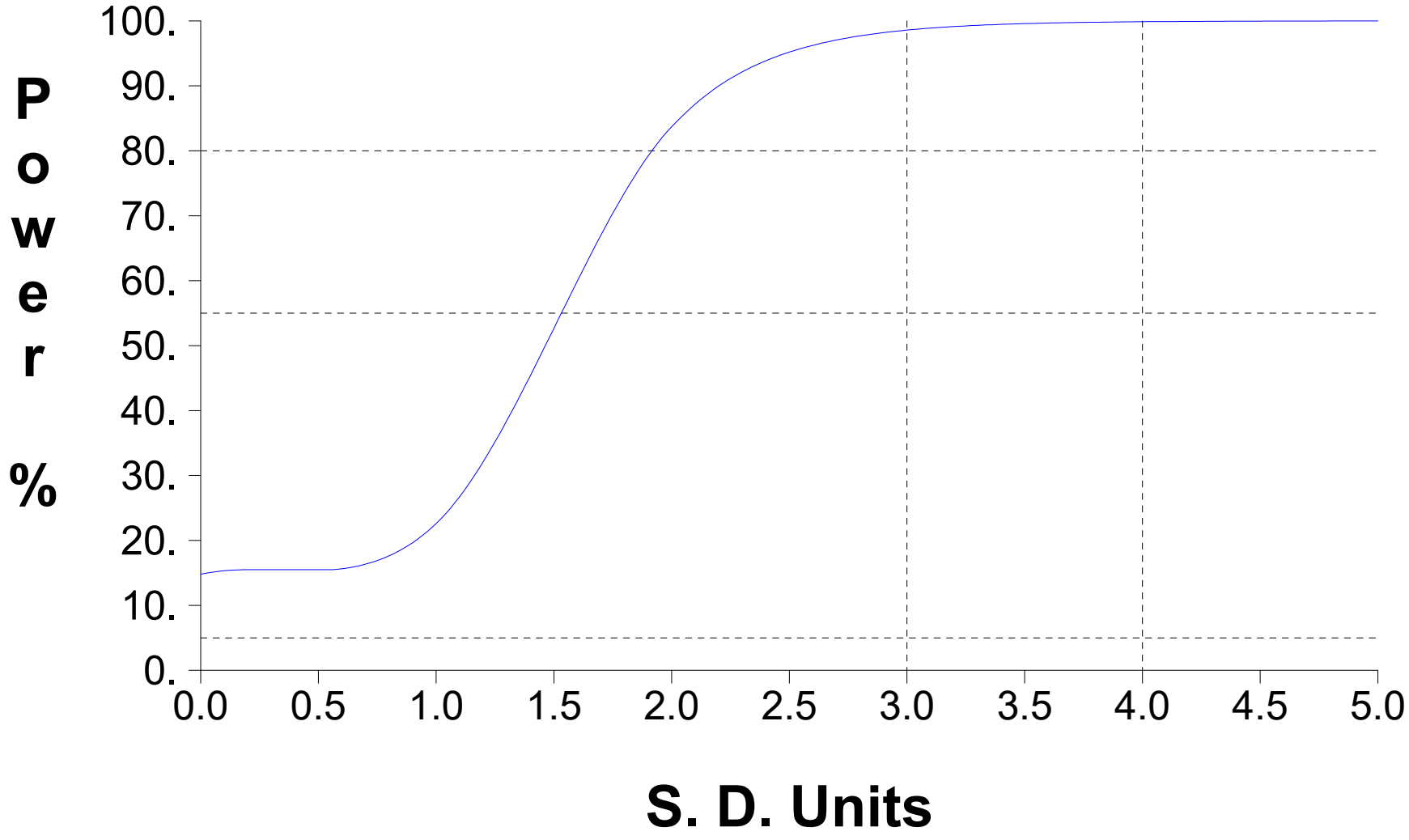


Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-11A	04/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/21/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	06/18/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	08/13/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	09/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	04/27/2009	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-11A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-11A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-11A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-11A	05/10/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	06/03/2020	yes	6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-11A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/22/2023		6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-11A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-11A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/22/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	10/14/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-11A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-11A	04/24/2008	yes	190.0000					
Barium, Total	ug/L	MW-11A	05/21/2008	yes	190.0000					
Barium, Total	ug/L	MW-11A	06/18/2008	yes	190.0000					
Barium, Total	ug/L	MW-11A	08/13/2008	yes	190.0000					
Barium, Total	ug/L	MW-11A	09/24/2008	yes	200.0000					
Barium, Total	ug/L	MW-11A	04/27/2009	yes	183.0000					
Barium, Total	ug/L	MW-11A	10/26/2009	yes	192.0000					
Barium, Total	ug/L	MW-11A	12/17/2009	yes	195.0000					
Barium, Total	ug/L	MW-11A	04/13/2010	yes	178.0000					
Barium, Total	ug/L	MW-11A	10/18/2010	yes	209.0000					
Barium, Total	ug/L	MW-11A	05/10/2011	yes	200.0000					
Barium, Total	ug/L	MW-11A	10/19/2011	yes	220.0000					
Barium, Total	ug/L	MW-11A	04/24/2012	yes	200.0000					
Barium, Total	ug/L	MW-11A	10/25/2012	yes	370.0000					
Barium, Total	ug/L	MW-11A	11/11/2013	yes	200.0000					
Barium, Total	ug/L	MW-11A	11/12/2014	yes	220.0000					
Barium, Total	ug/L	MW-11A	11/18/2015	yes	280.0000					
Barium, Total	ug/L	MW-11A	06/16/2016	yes	170.0000					
Barium, Total	ug/L	MW-11A	11/16/2016	yes	150.0000					
Barium, Total	ug/L	MW-11A	05/30/2017	yes	180.0000					
Barium, Total	ug/L	MW-11A	11/21/2017	yes	220.0000					
Barium, Total	ug/L	MW-11A	05/31/2018	yes	200.0000					
Barium, Total	ug/L	MW-11A	10/31/2018	yes	210.0000					
Barium, Total	ug/L	MW-11A	05/28/2019	yes	240.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-11A	10/15/2019	yes	270.0000					
Barium, Total	ug/L	MW-11A	06/03/2020	yes	261.0000					
Barium, Total	ug/L	MW-11A	10/07/2020		234.0000			211.8462		
Barium, Total	ug/L	MW-11A	05/03/2021		212.0000			211.8462		
Barium, Total	ug/L	MW-11A	11/09/2021		259.0000			226.0289		
Barium, Total	ug/L	MW-11A	05/17/2022		207.0000			211.8462		
Barium, Total	ug/L	MW-11A	10/17/2022		236.0000			211.8462		
Barium, Total	ug/L	MW-11A	05/22/2023		239.0000			211.8462		
Barium, Total	ug/L	MW-11A	10/05/2023		245.0000			212.0289		
Barium, Total	ug/L	MW-11A	05/20/2024		220.0000			211.8462		
Barium, Total	ug/L	MW-11A	10/02/2024		237.0000			211.8462		
Barium, Total	ug/L	MW-11A	05/12/2025		235.0000			211.8462		
Barium, Total	ug/L	MW-11A	10/14/2025		227.0000			211.8462		
Barium, Total	ug/L	MW-11A	05/27/2026		245.0000			212.0289		
Beryllium, Total	ug/L	MW-11A	04/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/21/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	06/18/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	08/13/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	09/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	04/27/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/26/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/10/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/22/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/12/2025		4.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-11A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-11A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-11A	04/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/21/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	06/18/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	08/13/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	09/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	04/27/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/26/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/10/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/22/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-11A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/25/2012	yes	23.0000		yes			*
Chromium, Total	ug/L	MW-11A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	11/18/2015	yes	13.0000					
Chromium, Total	ug/L	MW-11A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-11A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/22/2023		10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-11A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-11A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/25/2012	yes	11.0000					
Cobalt, Total	ug/L	MW-11A	11/11/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	11/12/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-11A	11/18/2015	yes	6.3000					
Cobalt, Total	ug/L	MW-11A	06/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	11/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	05/30/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	11/21/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	05/31/2018	yes	2.8000	ND			10.0000	***

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, Total	ug/L	MW-11A	10/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	05/28/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	10/15/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	06/03/2020	yes	2.0000	ND			10.0000	***
Cobalt, Total	ug/L	MW-11A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-11A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	11/09/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	05/22/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/05/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	05/20/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	05/12/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	10/14/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-11A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	10/25/2012	yes	21.0000		yes			*
Copper, Total	ug/L	MW-11A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	11/18/2015	yes	15.0000					
Copper, Total	ug/L	MW-11A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-11A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-11A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-11A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-11A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-11A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-11A	05/22/2023		10.0000	ND				
Copper, Total	ug/L	MW-11A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-11A	05/20/2024		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-11A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-11A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-11A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-11A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-11A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-11A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-11A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-11A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-11A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-11A	05/22/2023		10.0000	ND				
Lead, Total	ug/L	MW-11A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-11A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-11A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-11A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-11A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-11A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/25/2012	yes	23.0000		yes			*
Nickel, Total	ug/L	MW-11A	11/11/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	11/18/2015	yes	13.0000					
Nickel, Total	ug/L	MW-11A	06/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	11/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/30/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	11/21/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/28/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/15/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	06/03/2020	yes	10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/07/2020		10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/03/2021		10.0000	ND				
Nickel, Total	ug/L	MW-11A	11/09/2021		10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/22/2023		10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/05/2023		10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/20/2024		10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/02/2024		10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/12/2025		10.0000	ND				
Nickel, Total	ug/L	MW-11A	10/14/2025		10.0000	ND				
Nickel, Total	ug/L	MW-11A	05/27/2026		10.0000	ND				
Selenium, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	11/11/2013	yes	25.0000					
Selenium, Total	ug/L	MW-11A	11/12/2014	yes	67.0000		yes			*
Selenium, Total	ug/L	MW-11A	11/18/2015	yes	44.0000		yes			*
Selenium, Total	ug/L	MW-11A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/30/2017	yes	10.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-11A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-11A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/22/2023		10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-11A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-11A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-11A	04/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	05/21/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	06/18/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	08/13/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	09/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	04/27/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	10/26/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	05/10/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-11A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-11A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-11A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-11A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-11A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-11A	05/22/2023		10.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, Total	ug/L	MW-11A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-11A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-11A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-11A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-11A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-11A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-11A	04/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/21/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	06/18/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	08/13/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	09/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	04/27/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/26/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/10/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-11A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/22/2023		2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-11A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-11A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-11A	04/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/21/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	06/18/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	08/13/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	09/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	04/27/2009	yes	20.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-11A	10/26/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/10/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/25/2012	yes	55.0000		yes			*
Vanadium, Total	ug/L	MW-11A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	11/18/2015	yes	33.0000					
Vanadium, Total	ug/L	MW-11A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/22/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-11A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-11A	04/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	05/21/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	06/18/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	08/13/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	09/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	04/27/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	10/26/2009	yes	34.0000					
Zinc, Total	ug/L	MW-11A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	05/10/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	10/25/2012	yes	52.0000		yes			*
Zinc, Total	ug/L	MW-11A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	11/12/2014	yes	26.0000					
Zinc, Total	ug/L	MW-11A	11/18/2015	yes	32.0000					
Zinc, Total	ug/L	MW-11A	06/16/2016	yes	20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, Total	ug/L	MW-11A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-11A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-11A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-11A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-11A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-11A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-11A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-11A	05/22/2023		50.0000	ND				
Zinc, Total	ug/L	MW-11A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-11A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-11A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-11A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-11A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-11A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-12A	04/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/21/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	06/18/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	08/13/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	09/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	04/27/2009	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-12A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-12A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-12A	07/09/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-12A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-12A	05/09/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-12A	06/03/2020	yes	6.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-12A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-12A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-12A	06/08/2023		6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-12A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-12A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	04/27/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/26/2009	yes	15.0000	ND			10.0000	***
Arsenic, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	06/08/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/20/2024		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-12A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	10/14/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-12A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-12A	04/24/2008	yes	210.0000					
Barium, Total	ug/L	MW-12A	05/21/2008	yes	210.0000					
Barium, Total	ug/L	MW-12A	06/18/2008	yes	200.0000					
Barium, Total	ug/L	MW-12A	08/13/2008	yes	200.0000					
Barium, Total	ug/L	MW-12A	09/24/2008	yes	240.0000					
Barium, Total	ug/L	MW-12A	04/27/2009	yes	230.0000					
Barium, Total	ug/L	MW-12A	10/26/2009	yes	241.0000					
Barium, Total	ug/L	MW-12A	12/17/2009	yes	211.5000					
Barium, Total	ug/L	MW-12A	04/13/2010	yes	215.0000					
Barium, Total	ug/L	MW-12A	07/09/2010	yes	213.0000					
Barium, Total	ug/L	MW-12A	10/18/2010	yes	186.0000					
Barium, Total	ug/L	MW-12A	05/09/2011	yes	230.0000					
Barium, Total	ug/L	MW-12A	10/19/2011	yes	190.0000					
Barium, Total	ug/L	MW-12A	04/24/2012	yes	220.0000					
Barium, Total	ug/L	MW-12A	10/25/2012	yes	230.0000					
Barium, Total	ug/L	MW-12A	05/07/2013	yes	190.0000					
Barium, Total	ug/L	MW-12A	11/11/2013	yes	240.0000					
Barium, Total	ug/L	MW-12A	05/13/2014	yes	220.0000					
Barium, Total	ug/L	MW-12A	11/12/2014	yes	250.0000					
Barium, Total	ug/L	MW-12A	05/27/2015	yes	210.0000					
Barium, Total	ug/L	MW-12A	11/18/2015	yes	210.0000					
Barium, Total	ug/L	MW-12A	06/16/2016	yes	260.0000					
Barium, Total	ug/L	MW-12A	11/16/2016	yes	230.0000					
Barium, Total	ug/L	MW-12A	05/30/2017	yes	260.0000					
Barium, Total	ug/L	MW-12A	11/21/2017	yes	250.0000					
Barium, Total	ug/L	MW-12A	05/31/2018	yes	250.0000					
Barium, Total	ug/L	MW-12A	10/31/2018	yes	240.0000					
Barium, Total	ug/L	MW-12A	05/28/2019	yes	290.0000					
Barium, Total	ug/L	MW-12A	10/15/2019	yes	240.0000					
Barium, Total	ug/L	MW-12A	06/03/2020	yes	240.0000					
Barium, Total	ug/L	MW-12A	10/07/2020		259.0000			241.0984		
Barium, Total	ug/L	MW-12A	05/03/2021		266.0000			262.3135		
Barium, Total	ug/L	MW-12A	11/09/2021		278.0000			295.5286		
Barium, Total	ug/L	MW-12A	05/17/2022		252.0000			302.7437		
Barium, Total	ug/L	MW-12A	10/17/2022		288.0000			345.9587		
Barium, Total	ug/L	MW-12A	06/08/2023		299.0000			400.1738		**
Barium, Total	ug/L	MW-12A	10/05/2023		277.0000			378.1738		
Barium, Total	ug/L	MW-12A	05/20/2024		345.0000			478.3889		**
Barium, Total	ug/L	MW-12A	10/02/2024		283.0000			416.3889		**
Barium, Total	ug/L	MW-12A	05/12/2025		267.0000			400.3889		**
Barium, Total	ug/L	MW-12A	10/14/2025		283.0000			416.3889		**
Barium, Total	ug/L	MW-12A	05/27/2026		316.0000			449.3889		**
Beryllium, Total	ug/L	MW-12A	04/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/21/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	06/18/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	08/13/2008	yes	4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-12A	09/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	04/27/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/26/2009	yes	2.5000	ND			4.0000	***
Beryllium, Total	ug/L	MW-12A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	07/09/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/09/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	06/08/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-12A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-12A	04/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/21/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	06/18/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	08/13/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	09/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	04/27/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/26/2009	yes	3.0000	ND			5.0000	***
Cadmium, Total	ug/L	MW-12A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	07/09/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/09/2011	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, Total	ug/L	MW-12A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	06/08/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-12A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	04/27/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/27/2015	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-12A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-12A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-12A	06/08/2023		10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-12A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-12A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	04/27/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	10/26/2009	yes	6.5000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-12A	05/27/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	11/18/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	06/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	11/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	05/30/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	11/21/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	05/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	10/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	05/28/2019	yes	2.1000	ND			10.0000	***

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, Total	ug/L	MW-12A	10/15/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	06/03/2020	yes	2.0000	ND			10.0000	***
Cobalt, Total	ug/L	MW-12A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-12A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-12A	11/09/2021		2.0400					
Cobalt, Total	ug/L	MW-12A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-12A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-12A	06/08/2023		2.3600					
Cobalt, Total	ug/L	MW-12A	10/05/2023		2.1700					
Cobalt, Total	ug/L	MW-12A	05/20/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-12A	10/02/2024		2.4000					
Cobalt, Total	ug/L	MW-12A	05/12/2025		2.2000					
Cobalt, Total	ug/L	MW-12A	10/14/2025		2.5500					
Cobalt, Total	ug/L	MW-12A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	04/27/2009	yes	60.0000	ND	yes			*
Copper, Total	ug/L	MW-12A	10/26/2009	yes	7.9000					
Copper, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-12A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-12A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-12A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-12A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-12A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-12A	06/08/2023		10.0000	ND				

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-12A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-12A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-12A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-12A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-12A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-12A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	04/27/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	10/26/2009	yes	7.5000	ND			10.0000	***
Lead, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-12A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-12A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-12A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-12A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-12A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-12A	06/08/2023		10.0000	ND				
Lead, Total	ug/L	MW-12A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-12A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-12A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-12A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-12A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-12A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	04/27/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/26/2009	yes	7.0000	ND			10.0000	***
Nickel, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/07/2013	yes	11.0000					
Nickel, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/27/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	11/18/2015	yes	11.0000					
Nickel, Total	ug/L	MW-12A	06/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	11/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/30/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	11/21/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/31/2018	yes	10.0000					
Nickel, Total	ug/L	MW-12A	05/28/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/15/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-12A	06/03/2020	yes	10.6000					
Nickel, Total	ug/L	MW-12A	10/07/2020		10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/03/2021		10.0000	ND				
Nickel, Total	ug/L	MW-12A	11/09/2021		10.0000	ND				
Nickel, Total	ug/L	MW-12A	05/17/2022		10.9000					
Nickel, Total	ug/L	MW-12A	10/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-12A	06/08/2023		10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/05/2023		11.8000					**
Nickel, Total	ug/L	MW-12A	05/20/2024		10.0000	ND				
Nickel, Total	ug/L	MW-12A	10/02/2024		13.2000					**
Nickel, Total	ug/L	MW-12A	05/12/2025		14.5000					**
Nickel, Total	ug/L	MW-12A	10/14/2025		15.4000					**
Nickel, Total	ug/L	MW-12A	05/27/2026		10.0000	ND				
Selenium, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	04/27/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/30/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-12A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-12A	06/08/2023		10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-12A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-12A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-12A	04/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/21/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	06/18/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	08/13/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	09/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	04/27/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	10/26/2009	yes	30.0000	ND			10.0000	***
Silver, Total	ug/L	MW-12A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	07/09/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/09/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/13/2014	yes	10.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, Total	ug/L	MW-12A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-12A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-12A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-12A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-12A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-12A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-12A	06/08/2023		10.0000	ND				
Silver, Total	ug/L	MW-12A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-12A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-12A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-12A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-12A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-12A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-12A	04/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/21/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	06/18/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	08/13/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	09/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	04/27/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/26/2009	yes	1.1000	ND			2.0000	***
Thallium, Total	ug/L	MW-12A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	07/09/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/09/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/31/2018	yes	2.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-12A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-12A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-12A	06/08/2023		2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-12A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-12A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-12A	04/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/21/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	06/18/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	08/13/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	09/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	04/27/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/26/2009	yes	11.5000	ND			20.0000	***
Vanadium, Total	ug/L	MW-12A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	07/09/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/09/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/25/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/17/2022		20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-12A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	06/08/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-12A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-12A	04/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/21/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	06/18/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	08/13/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	09/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	04/27/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	10/26/2009	yes	15.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-12A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	07/09/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/09/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	10/25/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	11/12/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-12A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-12A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-12A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-12A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-12A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-12A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-12A	06/08/2023		50.0000	ND				
Zinc, Total	ug/L	MW-12A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-12A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-12A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-12A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-12A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-12A	05/27/2026		50.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-13A	04/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/21/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	06/18/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	08/13/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	09/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	04/27/2009	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-13A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-13A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-13A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-13A	05/10/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	06/03/2020	yes	6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-13A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-13A	06/08/2023		6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-13A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-13A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	06/08/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	10/14/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-13A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-13A	04/24/2008	yes	170.0000					
Barium, Total	ug/L	MW-13A	05/21/2008	yes	160.0000					
Barium, Total	ug/L	MW-13A	06/18/2008	yes	170.0000					
Barium, Total	ug/L	MW-13A	08/13/2008	yes	170.0000					
Barium, Total	ug/L	MW-13A	09/24/2008	yes	150.0000					
Barium, Total	ug/L	MW-13A	04/27/2009	yes	183.0000					
Barium, Total	ug/L	MW-13A	10/26/2009	yes	195.0000					
Barium, Total	ug/L	MW-13A	12/17/2009	yes	205.0000					
Barium, Total	ug/L	MW-13A	04/13/2010	yes	163.0000					
Barium, Total	ug/L	MW-13A	10/18/2010	yes	201.0000					
Barium, Total	ug/L	MW-13A	05/10/2011	yes	230.0000					
Barium, Total	ug/L	MW-13A	10/19/2011	yes	220.0000					
Barium, Total	ug/L	MW-13A	04/24/2012	yes	220.0000					
Barium, Total	ug/L	MW-13A	10/25/2012	yes	190.0000					
Barium, Total	ug/L	MW-13A	05/07/2013	yes	270.0000					
Barium, Total	ug/L	MW-13A	11/11/2013	yes	180.0000					
Barium, Total	ug/L	MW-13A	05/13/2014	yes	210.0000					
Barium, Total	ug/L	MW-13A	11/12/2014	yes	270.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-13A	05/27/2015	yes	210.0000					
Barium, Total	ug/L	MW-13A	11/18/2015	yes	250.0000					
Barium, Total	ug/L	MW-13A	06/16/2016	yes	230.0000					
Barium, Total	ug/L	MW-13A	11/16/2016	yes	290.0000					
Barium, Total	ug/L	MW-13A	05/30/2017	yes	300.0000					
Barium, Total	ug/L	MW-13A	11/21/2017	yes	270.0000					
Barium, Total	ug/L	MW-13A	05/31/2018	yes	250.0000					
Barium, Total	ug/L	MW-13A	10/31/2018	yes	340.0000					
Barium, Total	ug/L	MW-13A	05/28/2019	yes	320.0000					
Barium, Total	ug/L	MW-13A	10/15/2019	yes	310.0000					
Barium, Total	ug/L	MW-13A	06/03/2020	yes	335.0000					
Barium, Total	ug/L	MW-13A	10/07/2020		304.0000			261.8797		
Barium, Total	ug/L	MW-13A	05/03/2021		344.0000			334.0352		
Barium, Total	ug/L	MW-13A	11/09/2021		365.0000			427.1908		
Barium, Total	ug/L	MW-13A	05/17/2022		322.0000			477.3463		
Barium, Total	ug/L	MW-13A	10/17/2022		389.0000			594.5019		
Barium, Total	ug/L	MW-13A	06/08/2023		444.0000			766.6574		**
Barium, Total	ug/L	MW-13A	10/05/2023		401.0000			723.6574		**
Barium, Total	ug/L	MW-13A	05/20/2024		451.0000			773.6574		**
Barium, Total	ug/L	MW-13A	10/02/2024		420.0000			742.6574		**
Barium, Total	ug/L	MW-13A	05/12/2025		396.0000			718.6574		**
Barium, Total	ug/L	MW-13A	10/14/2025		413.0000			735.6574		**
Barium, Total	ug/L	MW-13A	05/27/2026		381.0000			703.6574		**
Beryllium, Total	ug/L	MW-13A	04/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/21/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	06/18/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	08/13/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	09/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	04/27/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/26/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/10/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/28/2019	yes	4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-13A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	06/08/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-13A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-13A	04/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/21/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	06/18/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	08/13/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	09/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	04/27/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/26/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/10/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	06/08/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/05/2023		5.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, Total	ug/L	MW-13A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-13A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-13A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-13A	06/08/2023		10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-13A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-13A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/27/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	11/18/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	06/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	11/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	05/30/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	11/21/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	05/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	10/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	05/28/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	10/15/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	06/03/2020	yes	2.0000	ND			10.0000	***
Cobalt, Total	ug/L	MW-13A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-13A	05/03/2021		2.8300					
Cobalt, Total	ug/L	MW-13A	11/09/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-13A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-13A	06/08/2023		4.6500					
Cobalt, Total	ug/L	MW-13A	10/05/2023		2.3700					
Cobalt, Total	ug/L	MW-13A	05/20/2024		2.1700					
Cobalt, Total	ug/L	MW-13A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/12/2025		2.3700					
Cobalt, Total	ug/L	MW-13A	10/14/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-13A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-13A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-13A	05/03/2021		11.3000					**
Copper, Total	ug/L	MW-13A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-13A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-13A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-13A	06/08/2023		10.0000	ND				
Copper, Total	ug/L	MW-13A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-13A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-13A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-13A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-13A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-13A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	11/16/2016	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, Total	ug/L	MW-13A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-13A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-13A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-13A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-13A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-13A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-13A	06/08/2023		10.0000	ND				
Lead, Total	ug/L	MW-13A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-13A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-13A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-13A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-13A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-13A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/27/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	06/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	11/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/30/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	11/21/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/28/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/15/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	06/03/2020	yes	10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/07/2020		10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/03/2021		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-13A	11/09/2021		10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-13A	06/08/2023		10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/05/2023		10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/20/2024		10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/02/2024		10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/12/2025		10.0000	ND				
Nickel, Total	ug/L	MW-13A	10/14/2025		10.0000	ND				
Nickel, Total	ug/L	MW-13A	05/27/2026		10.0000	ND				
Selenium, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/30/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-13A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-13A	06/08/2023		10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-13A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-13A	10/14/2025		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-13A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-13A	04/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/21/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	06/18/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	08/13/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	09/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	04/27/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	10/26/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/10/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-13A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-13A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-13A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-13A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-13A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-13A	06/08/2023		10.0000	ND				
Silver, Total	ug/L	MW-13A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-13A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-13A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-13A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-13A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-13A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-13A	04/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/21/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	06/18/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	08/13/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	09/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	04/27/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/26/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	12/17/2009	yes	2.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-13A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/10/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-13A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-13A	06/08/2023		2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-13A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-13A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-13A	04/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/21/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	06/18/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	08/13/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	09/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	04/27/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/26/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/10/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/25/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/13/2014	yes	20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-13A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	06/08/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-13A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-13A	04/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	05/21/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	06/18/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	08/13/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	09/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	04/27/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	10/26/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	05/10/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	10/25/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	11/12/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	10/31/2018	yes	20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, Total	ug/L	MW-13A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-13A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-13A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-13A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-13A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-13A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-13A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-13A	06/08/2023		50.0000	ND				
Zinc, Total	ug/L	MW-13A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-13A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-13A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-13A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-13A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-13A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-19A	04/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/21/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	06/18/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	08/13/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	09/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	04/27/2009	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-19A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-19A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-19A	07/09/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-19A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-19A	05/09/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	06/03/2020	yes	6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-19A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/17/2022		6.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-19A	05/22/2023		6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-19A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-19A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-19A	04/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/21/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	06/18/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	08/13/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	09/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	04/27/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/26/2009	yes	15.0000	ND			10.0000	***
Arsenic, Total	ug/L	MW-19A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	07/09/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/09/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/22/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	10/14/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-19A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-19A	04/24/2008	yes	180.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-19A	05/21/2008	yes	150.0000					
Barium, Total	ug/L	MW-19A	06/18/2008	yes	150.0000					
Barium, Total	ug/L	MW-19A	08/13/2008	yes	140.0000					
Barium, Total	ug/L	MW-19A	09/24/2008	yes	150.0000					
Barium, Total	ug/L	MW-19A	04/27/2009	yes	137.0000					
Barium, Total	ug/L	MW-19A	10/26/2009	yes	133.0000					
Barium, Total	ug/L	MW-19A	12/17/2009	yes	134.0000					
Barium, Total	ug/L	MW-19A	04/13/2010	yes	129.0000					
Barium, Total	ug/L	MW-19A	07/09/2010	yes	154.0000					
Barium, Total	ug/L	MW-19A	10/18/2010	yes	144.0000					
Barium, Total	ug/L	MW-19A	05/09/2011	yes	150.0000					
Barium, Total	ug/L	MW-19A	10/19/2011	yes	170.0000					
Barium, Total	ug/L	MW-19A	04/24/2012	yes	150.0000					
Barium, Total	ug/L	MW-19A	10/25/2012	yes	150.0000					
Barium, Total	ug/L	MW-19A	05/07/2013	yes	130.0000					
Barium, Total	ug/L	MW-19A	11/11/2013	yes	130.0000					
Barium, Total	ug/L	MW-19A	05/13/2014	yes	170.0000					
Barium, Total	ug/L	MW-19A	11/12/2014	yes	170.0000					
Barium, Total	ug/L	MW-19A	05/27/2015	yes	120.0000					
Barium, Total	ug/L	MW-19A	11/18/2015	yes	100.0000					
Barium, Total	ug/L	MW-19A	06/16/2016	yes	170.0000					
Barium, Total	ug/L	MW-19A	11/16/2016	yes	220.0000					
Barium, Total	ug/L	MW-19A	05/30/2017	yes	170.0000					
Barium, Total	ug/L	MW-19A	11/21/2017	yes	160.0000					
Barium, Total	ug/L	MW-19A	05/31/2018	yes	150.0000					
Barium, Total	ug/L	MW-19A	10/31/2018	yes	160.0000					
Barium, Total	ug/L	MW-19A	05/28/2019	yes	160.0000					
Barium, Total	ug/L	MW-19A	10/15/2019	yes	170.0000					
Barium, Total	ug/L	MW-19A	06/03/2020	yes	153.0000					
Barium, Total	ug/L	MW-19A	10/07/2020		146.0000			151.8000		
Barium, Total	ug/L	MW-19A	05/03/2021		133.0000			151.8000		
Barium, Total	ug/L	MW-19A	11/09/2021		168.0000			151.8000		
Barium, Total	ug/L	MW-19A	05/17/2022		136.0000			151.8000		
Barium, Total	ug/L	MW-19A	10/17/2022		151.0000			151.8000		
Barium, Total	ug/L	MW-19A	05/22/2023		138.0000			151.8000		
Barium, Total	ug/L	MW-19A	10/05/2023		156.0000			151.8000		
Barium, Total	ug/L	MW-19A	05/20/2024		150.0000			151.8000		
Barium, Total	ug/L	MW-19A	10/02/2024		166.0000			151.8000		
Barium, Total	ug/L	MW-19A	05/12/2025		208.0000			191.5690		
Barium, Total	ug/L	MW-19A	10/14/2025		186.0000			209.3381		
Barium, Total	ug/L	MW-19A	05/27/2026		161.0000			202.1071		
Beryllium, Total	ug/L	MW-19A	04/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/21/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	06/18/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	08/13/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	09/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	04/27/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/26/2009	yes	2.5000	ND			4.0000	***
Beryllium, Total	ug/L	MW-19A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	04/13/2010	yes	4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-19A	07/09/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/09/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/22/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-19A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-19A	04/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/21/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	06/18/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	08/13/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	09/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	04/27/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/26/2009	yes	3.0000	ND			5.0000	***
Cadmium, Total	ug/L	MW-19A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	07/09/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/09/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	11/11/2013	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, Total	ug/L	MW-19A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/22/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-19A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-19A	04/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/21/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	06/18/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	08/13/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	09/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	04/27/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	07/09/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/09/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/25/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	11/21/2017	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-19A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-19A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/22/2023		10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-19A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-19A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-19A	04/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/21/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	06/18/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	08/13/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	09/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	04/27/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/26/2009	yes	6.5000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	07/09/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/09/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/25/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	11/11/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/13/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	11/12/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/27/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	11/18/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	06/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	11/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	05/30/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	11/21/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	05/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	10/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	05/28/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	10/15/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	06/03/2020	yes	2.0000	ND			10.0000	***
Cobalt, Total	ug/L	MW-19A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-19A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	11/09/2021		2.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, Total	ug/L	MW-19A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/22/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/05/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/20/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/12/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	10/14/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-19A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-19A	04/24/2008	yes	10.0000					
Copper, Total	ug/L	MW-19A	05/21/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	06/18/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	08/13/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	09/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	04/27/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	10/26/2009	yes	7.0000	ND			10.0000	***
Copper, Total	ug/L	MW-19A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	07/09/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	05/09/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	10/25/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-19A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-19A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-19A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-19A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-19A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-19A	05/22/2023		10.0000	ND				
Copper, Total	ug/L	MW-19A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-19A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-19A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-19A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-19A	10/14/2025		10.0000	ND				

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-19A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-19A	04/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/21/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	06/18/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	08/13/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	09/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	04/27/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	10/26/2009	yes	7.5000	ND			10.0000	***
Lead, Total	ug/L	MW-19A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	07/09/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/09/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-19A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-19A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-19A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-19A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-19A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-19A	05/22/2023		10.0000	ND				
Lead, Total	ug/L	MW-19A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-19A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-19A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-19A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-19A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-19A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-19A	04/24/2008	yes	18.0000					
Nickel, Total	ug/L	MW-19A	05/21/2008	yes	15.0000					
Nickel, Total	ug/L	MW-19A	06/18/2008	yes	14.0000					
Nickel, Total	ug/L	MW-19A	08/13/2008	yes	12.0000					
Nickel, Total	ug/L	MW-19A	09/24/2008	yes	12.0000					
Nickel, Total	ug/L	MW-19A	04/27/2009	yes	12.1000					
Nickel, Total	ug/L	MW-19A	10/26/2009	yes	21.5000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-19A	12/17/2009	yes	12.1000					
Nickel, Total	ug/L	MW-19A	04/13/2010	yes	12.5000					
Nickel, Total	ug/L	MW-19A	07/09/2010	yes	14.1000					
Nickel, Total	ug/L	MW-19A	10/18/2010	yes	12.4000					
Nickel, Total	ug/L	MW-19A	05/09/2011	yes	14.0000					
Nickel, Total	ug/L	MW-19A	10/19/2011	yes	14.0000					
Nickel, Total	ug/L	MW-19A	04/24/2012	yes	13.0000					
Nickel, Total	ug/L	MW-19A	10/25/2012	yes	12.0000					
Nickel, Total	ug/L	MW-19A	05/07/2013	yes	11.0000					
Nickel, Total	ug/L	MW-19A	11/11/2013	yes	11.0000					
Nickel, Total	ug/L	MW-19A	05/13/2014	yes	13.0000					
Nickel, Total	ug/L	MW-19A	11/12/2014	yes	13.0000					
Nickel, Total	ug/L	MW-19A	05/27/2015	yes	11.0000					
Nickel, Total	ug/L	MW-19A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-19A	06/16/2016	yes	14.0000					
Nickel, Total	ug/L	MW-19A	11/16/2016	yes	15.0000					
Nickel, Total	ug/L	MW-19A	05/30/2017	yes	16.0000					
Nickel, Total	ug/L	MW-19A	11/21/2017	yes	13.0000					
Nickel, Total	ug/L	MW-19A	05/31/2018	yes	15.0000					
Nickel, Total	ug/L	MW-19A	10/31/2018	yes	19.0000					
Nickel, Total	ug/L	MW-19A	05/28/2019	yes	16.0000					
Nickel, Total	ug/L	MW-19A	10/15/2019	yes	21.0000					
Nickel, Total	ug/L	MW-19A	06/03/2020	yes	22.1000					
Nickel, Total	ug/L	MW-19A	10/07/2020		23.3000			20.9229		
Nickel, Total	ug/L	MW-19A	05/03/2021		18.1000			22.3525		
Nickel, Total	ug/L	MW-19A	11/09/2021		17.7000			23.3821		
Nickel, Total	ug/L	MW-19A	05/17/2022		20.4000			27.1116		
Nickel, Total	ug/L	MW-19A	10/17/2022		26.1000			36.5412		**
Nickel, Total	ug/L	MW-19A	05/22/2023		18.3000			28.7412		
Nickel, Total	ug/L	MW-19A	10/05/2023		30.2000			42.2708		**
Nickel, Total	ug/L	MW-19A	05/20/2024		26.1000			38.1708		**
Nickel, Total	ug/L	MW-19A	10/02/2024		25.1000			37.1708		**
Nickel, Total	ug/L	MW-19A	05/12/2025		38.6000			50.6708		**
Nickel, Total	ug/L	MW-19A	10/14/2025		33.5000			45.5708		**
Nickel, Total	ug/L	MW-19A	05/27/2026		27.3000			39.3708		**
Selenium, Total	ug/L	MW-19A	04/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/21/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	06/18/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	08/13/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	09/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	04/27/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	07/09/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/09/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/25/2012	yes	10.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-19A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/30/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-19A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/22/2023		10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-19A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-19A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-19A	04/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	05/21/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	06/18/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	08/13/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	09/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	04/27/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	10/26/2009	yes	30.0000	ND			10.0000	***
Silver, Total	ug/L	MW-19A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	07/09/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	05/09/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	11/16/2016	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, Total	ug/L	MW-19A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-19A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-19A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-19A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-19A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-19A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-19A	05/22/2023		10.0000	ND				
Silver, Total	ug/L	MW-19A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-19A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-19A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-19A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-19A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-19A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-19A	04/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/21/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	06/18/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	08/13/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	09/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	04/27/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/26/2009	yes	1.1000	ND			2.0000	***
Thallium, Total	ug/L	MW-19A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	07/09/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/09/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/07/2020		2.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-19A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-19A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/22/2023		2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-19A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-19A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-19A	04/24/2008	yes	22.0000					
Vanadium, Total	ug/L	MW-19A	05/21/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	06/18/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	08/13/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	09/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	04/27/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/26/2009	yes	11.5000	ND			20.0000	***
Vanadium, Total	ug/L	MW-19A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	07/09/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/09/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/25/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/22/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/02/2024		20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-19A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-19A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-19A	04/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/21/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	06/18/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	08/13/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	09/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	04/27/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	10/26/2009	yes	15.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-19A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	07/09/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/09/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	10/25/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	11/12/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-19A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-19A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-19A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-19A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-19A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-19A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-19A	05/22/2023		50.0000	ND				
Zinc, Total	ug/L	MW-19A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-19A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-19A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-19A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-19A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-19A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-21A	04/24/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/21/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	06/18/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	08/13/2008	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	09/24/2008	yes	6.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-21A	04/27/2009	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-21A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-21A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-21A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-21A	05/10/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	06/03/2020	yes	6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-21A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-21A	06/08/2023		6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-21A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-21A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	06/08/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	10/14/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-21A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-21A	04/24/2008	yes	220.0000					
Barium, Total	ug/L	MW-21A	05/21/2008	yes	210.0000					
Barium, Total	ug/L	MW-21A	06/18/2008	yes	210.0000					
Barium, Total	ug/L	MW-21A	08/13/2008	yes	230.0000					
Barium, Total	ug/L	MW-21A	09/24/2008	yes	230.0000					
Barium, Total	ug/L	MW-21A	04/27/2009	yes	181.0000					
Barium, Total	ug/L	MW-21A	10/26/2009	yes	235.0000					
Barium, Total	ug/L	MW-21A	12/17/2009	yes	231.0000					
Barium, Total	ug/L	MW-21A	04/13/2010	yes	190.0000					
Barium, Total	ug/L	MW-21A	10/18/2010	yes	213.0000					
Barium, Total	ug/L	MW-21A	05/10/2011	yes	240.0000					
Barium, Total	ug/L	MW-21A	10/19/2011	yes	260.0000					
Barium, Total	ug/L	MW-21A	04/24/2012	yes	220.0000					
Barium, Total	ug/L	MW-21A	10/25/2012	yes	220.0000					
Barium, Total	ug/L	MW-21A	05/07/2013	yes	220.0000					
Barium, Total	ug/L	MW-21A	11/11/2013	yes	220.0000					
Barium, Total	ug/L	MW-21A	05/13/2014	yes	220.0000					
Barium, Total	ug/L	MW-21A	11/12/2014	yes	270.0000					
Barium, Total	ug/L	MW-21A	05/27/2015	yes	190.0000					
Barium, Total	ug/L	MW-21A	11/18/2015	yes	240.0000					
Barium, Total	ug/L	MW-21A	06/16/2016	yes	240.0000					
Barium, Total	ug/L	MW-21A	11/16/2016	yes	250.0000					
Barium, Total	ug/L	MW-21A	05/30/2017	yes	250.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-21A	11/21/2017	yes	300.0000					
Barium, Total	ug/L	MW-21A	05/31/2018	yes	260.0000					
Barium, Total	ug/L	MW-21A	10/31/2018	yes	270.0000					
Barium, Total	ug/L	MW-21A	05/28/2019	yes	310.0000					
Barium, Total	ug/L	MW-21A	10/15/2019	yes	310.0000					
Barium, Total	ug/L	MW-21A	06/03/2020	yes	286.0000					
Barium, Total	ug/L	MW-21A	10/07/2020		294.0000			268.6485		
Barium, Total	ug/L	MW-21A	05/03/2021		279.0000			283.4694		
Barium, Total	ug/L	MW-21A	11/09/2021		273.0000			292.2903		
Barium, Total	ug/L	MW-21A	05/17/2022		247.0000			275.1112		
Barium, Total	ug/L	MW-21A	10/17/2022		285.0000			295.9321		
Barium, Total	ug/L	MW-21A	06/08/2023		277.0000			308.7530		
Barium, Total	ug/L	MW-21A	10/05/2023		292.0000			336.5739		
Barium, Total	ug/L	MW-21A	05/20/2024		269.0000			341.3948		
Barium, Total	ug/L	MW-21A	10/02/2024		290.0000			367.2157		
Barium, Total	ug/L	MW-21A	05/12/2025		296.0000			399.0366		
Barium, Total	ug/L	MW-21A	10/14/2025		291.0000			425.8575		
Barium, Total	ug/L	MW-21A	05/27/2026		301.0000			462.6784		**
Beryllium, Total	ug/L	MW-21A	04/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/21/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	06/18/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	08/13/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	09/24/2008	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	04/27/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/26/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/10/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	11/09/2021		4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-21A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	06/08/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-21A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-21A	04/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/21/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	06/18/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	08/13/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	09/24/2008	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	04/27/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/26/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/10/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	06/08/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-21A	05/27/2026		5.0000	ND				

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-21A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-21A	06/08/2023		10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-21A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-21A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/27/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	11/18/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	06/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	11/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	05/30/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	11/21/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	05/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	10/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	05/28/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	10/15/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	06/03/2020	yes	2.0000	ND			10.0000	***
Cobalt, Total	ug/L	MW-21A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-21A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	11/09/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	06/08/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	10/05/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/20/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/12/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	10/14/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-21A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-21A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-21A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-21A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-21A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-21A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-21A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-21A	06/08/2023		10.0000	ND				
Copper, Total	ug/L	MW-21A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-21A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-21A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-21A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-21A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-21A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	05/28/2019	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, Total	ug/L	MW-21A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-21A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-21A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-21A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-21A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-21A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-21A	06/08/2023		10.0000	ND				
Lead, Total	ug/L	MW-21A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-21A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-21A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-21A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-21A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-21A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/27/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	06/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	11/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/30/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	11/21/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/28/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/15/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	06/03/2020	yes	10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/07/2020		10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/03/2021		10.0000	ND				
Nickel, Total	ug/L	MW-21A	11/09/2021		10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-21A	06/08/2023		10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/05/2023		10.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-21A	05/20/2024		10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/02/2024		10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/12/2025		10.0000	ND				
Nickel, Total	ug/L	MW-21A	10/14/2025		10.0000	ND				
Nickel, Total	ug/L	MW-21A	05/27/2026		10.0000	ND				
Selenium, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/30/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-21A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-21A	06/08/2023		10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-21A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-21A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-21A	04/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/21/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	06/18/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	08/13/2008	yes	10.0000	ND				

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, Total	ug/L	MW-21A	09/24/2008	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	04/27/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	10/26/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/10/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-21A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-21A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-21A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-21A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-21A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-21A	06/08/2023		10.0000	ND				
Silver, Total	ug/L	MW-21A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-21A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-21A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-21A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-21A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-21A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-21A	04/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/21/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	06/18/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	08/13/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	09/24/2008	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	04/27/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/26/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/10/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	04/24/2012	yes	2.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-21A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-21A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-21A	06/08/2023		2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-21A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-21A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-21A	04/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/21/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	06/18/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	08/13/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	09/24/2008	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	04/27/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/26/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/10/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/25/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	11/16/2016	yes	20.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-21A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	06/08/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-21A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-21A	04/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/21/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	06/18/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	08/13/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	09/24/2008	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	04/27/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	10/26/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/10/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	10/25/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	11/12/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-21A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-21A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-21A	05/03/2021		50.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, Total	ug/L	MW-21A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-21A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-21A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-21A	06/08/2023		50.0000	ND				
Zinc, Total	ug/L	MW-21A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-21A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-21A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-21A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-21A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-21A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-23A	04/27/2009	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	05/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	06/21/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	07/09/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	08/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	05/09/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	11/11/2013	yes	12.0000	ND			6.0000	***
Antimony, Total	ug/L	MW-23A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-23A	06/16/2016		6.0000	ND				
Antimony, Total	ug/L	MW-23A	11/16/2016		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/30/2017		6.0000	ND				
Antimony, Total	ug/L	MW-23A	11/21/2017		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/31/2018		6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/31/2018		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/28/2019		6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/15/2019		6.0000	ND				
Antimony, Total	ug/L	MW-23A	06/03/2020		6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-23A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-23A	06/08/2023		6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-23A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-23A	05/27/2026		6.0000	ND				

* - Outlier for that well and constituent.
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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/25/2012	yes	110.0000		yes			*
Arsenic, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	11/11/2013	yes	37.0000		yes			*
Arsenic, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-23A	06/16/2016		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	11/16/2016		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/30/2017		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	11/21/2017		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/31/2018		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/31/2018		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/28/2019		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/15/2019		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	06/03/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	06/08/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-23A	05/12/2025		10.8000					**
Arsenic, Total	ug/L	MW-23A	07/09/2025		14.8000					**
Arsenic, Total	ug/L	MW-23A	10/14/2025		12.2000					**
Arsenic, Total	ug/L	MW-23A	05/27/2026		42.0000					**
Barium, Total	ug/L	MW-23A	04/27/2009	yes	125.0000					
Barium, Total	ug/L	MW-23A	10/26/2009	yes	147.0000					
Barium, Total	ug/L	MW-23A	12/17/2009	yes	143.0000					
Barium, Total	ug/L	MW-23A	04/13/2010	yes	123.0000					
Barium, Total	ug/L	MW-23A	05/18/2010	yes	128.0000					
Barium, Total	ug/L	MW-23A	06/21/2010	yes	146.0000					
Barium, Total	ug/L	MW-23A	07/09/2010	yes	150.0000					
Barium, Total	ug/L	MW-23A	08/18/2010	yes	160.0000					
Barium, Total	ug/L	MW-23A	10/18/2010	yes	166.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-23A	05/09/2011	yes	120.0000					
Barium, Total	ug/L	MW-23A	10/19/2011	yes	190.0000					
Barium, Total	ug/L	MW-23A	04/24/2012	yes	170.0000					
Barium, Total	ug/L	MW-23A	10/25/2012	yes	1300.0000		yes			*
Barium, Total	ug/L	MW-23A	05/07/2013	yes	170.0000					
Barium, Total	ug/L	MW-23A	11/11/2013	yes	980.0000		yes			*
Barium, Total	ug/L	MW-23A	05/13/2014	yes	150.0000					
Barium, Total	ug/L	MW-23A	11/12/2014	yes	180.0000					
Barium, Total	ug/L	MW-23A	05/27/2015	yes	230.0000					
Barium, Total	ug/L	MW-23A	11/18/2015	yes	270.0000					
Barium, Total	ug/L	MW-23A	06/16/2016		290.0000			260.6681		
Barium, Total	ug/L	MW-23A	11/16/2016		290.0000			358.5127		
Barium, Total	ug/L	MW-23A	05/30/2017		320.0000			486.3572		**
Barium, Total	ug/L	MW-23A	11/21/2017		350.0000			516.3572		**
Barium, Total	ug/L	MW-23A	05/31/2018		660.0000			826.3572		**
Barium, Total	ug/L	MW-23A	10/31/2018		460.0000			626.3572		**
Barium, Total	ug/L	MW-23A	05/28/2019		1300.0000			1466.3572		**
Barium, Total	ug/L	MW-23A	10/15/2019		620.0000			786.3572		**
Barium, Total	ug/L	MW-23A	06/03/2020		1020.0000			1186.3572		**
Barium, Total	ug/L	MW-23A	10/07/2020		478.0000			644.3572		**
Barium, Total	ug/L	MW-23A	05/03/2021		1170.0000			1336.3572		**
Barium, Total	ug/L	MW-23A	11/09/2021		1300.0000			1466.3572		**
Barium, Total	ug/L	MW-23A	05/17/2022		1490.0000			1656.3572		**
Barium, Total	ug/L	MW-23A	10/17/2022		1080.0000			1246.3572		**
Barium, Total	ug/L	MW-23A	06/08/2023		2540.0000			2706.3572		**
Barium, Total	ug/L	MW-23A	10/05/2023		1230.0000			1396.3572		**
Barium, Total	ug/L	MW-23A	05/20/2024		2450.0000			2616.3572		**
Barium, Total	ug/L	MW-23A	07/18/2024		1950.0000			2116.3572		**
Barium, Total	ug/L	MW-23A	10/02/2024		1640.0000			1806.3572		**
Barium, Total	ug/L	MW-23A	05/12/2025		1600.0000			1766.3572		**
Barium, Total	ug/L	MW-23A	10/14/2025		1070.0000			1236.3572		**
Barium, Total	ug/L	MW-23A	05/27/2026		1550.0000			1716.3572		**
Beryllium, Total	ug/L	MW-23A	04/27/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/26/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	06/21/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	07/09/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	08/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/09/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/25/2012	yes	5.4000		yes			*
Beryllium, Total	ug/L	MW-23A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/27/2015	yes	4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-23A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-23A	06/16/2016		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	11/16/2016		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/30/2017		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	11/21/2017		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/31/2018		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/31/2018		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/28/2019		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/15/2019		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	06/03/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	06/08/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-23A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-23A	04/27/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/26/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	06/21/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	07/09/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	08/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/09/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-23A	06/16/2016		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	11/16/2016		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/30/2017		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	11/21/2017		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/31/2018		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/31/2018		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/28/2019		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/15/2019		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	06/03/2020		5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, Total	ug/L	MW-23A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	06/08/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-23A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/25/2012	yes	220.0000		yes			*
Chromium, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	11/11/2013	yes	83.0000		yes			*
Chromium, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-23A	06/16/2016		10.0000	ND				
Chromium, Total	ug/L	MW-23A	11/16/2016		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/30/2017		10.0000	ND				
Chromium, Total	ug/L	MW-23A	11/21/2017		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/31/2018		10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/31/2018		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/28/2019		10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/15/2019		10.0000	ND				
Chromium, Total	ug/L	MW-23A	06/03/2020		10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-23A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-23A	06/08/2023		10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-23A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/12/2025		10.0000	ND				

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Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-23A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-23A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	10/25/2012	yes	71.0000		yes			*
Cobalt, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	11/11/2013	yes	34.0000		yes			*
Cobalt, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-23A	05/27/2015	yes	2.8000	ND	yes			*
Cobalt, Total	ug/L	MW-23A	11/18/2015	yes	2.8000	ND	yes			*
Cobalt, Total	ug/L	MW-23A	06/16/2016		2.8000	ND				
Cobalt, Total	ug/L	MW-23A	11/16/2016		2.8000	ND				
Cobalt, Total	ug/L	MW-23A	05/30/2017		2.8000	ND				
Cobalt, Total	ug/L	MW-23A	11/21/2017		2.8000	ND				
Cobalt, Total	ug/L	MW-23A	05/31/2018		13.0000					**
Cobalt, Total	ug/L	MW-23A	10/31/2018		3.3000					
Cobalt, Total	ug/L	MW-23A	05/28/2019		14.0000					**
Cobalt, Total	ug/L	MW-23A	10/15/2019		6.2000					
Cobalt, Total	ug/L	MW-23A	06/03/2020		9.7400					
Cobalt, Total	ug/L	MW-23A	10/07/2020		3.1200					
Cobalt, Total	ug/L	MW-23A	05/03/2021		14.7000					**
Cobalt, Total	ug/L	MW-23A	11/09/2021		10.2000					**
Cobalt, Total	ug/L	MW-23A	05/17/2022		14.4000					**
Cobalt, Total	ug/L	MW-23A	10/17/2022		3.8000					
Cobalt, Total	ug/L	MW-23A	06/08/2023		14.9000					**
Cobalt, Total	ug/L	MW-23A	10/05/2023		5.1900					
Cobalt, Total	ug/L	MW-23A	05/20/2024		13.5000					**
Cobalt, Total	ug/L	MW-23A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-23A	05/12/2025		11.3000					**
Cobalt, Total	ug/L	MW-23A	10/14/2025		3.1800					
Cobalt, Total	ug/L	MW-23A	05/27/2026		9.4800					
Copper, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	10/25/2012	yes	170.0000		yes			*
Copper, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	11/11/2013	yes	110.0000		yes			*
Copper, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-23A	06/16/2016		10.0000	ND				
Copper, Total	ug/L	MW-23A	11/16/2016		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/30/2017		10.0000	ND				
Copper, Total	ug/L	MW-23A	11/21/2017		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/31/2018		10.0000	ND				
Copper, Total	ug/L	MW-23A	10/31/2018		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/28/2019		10.0000	ND				
Copper, Total	ug/L	MW-23A	10/15/2019		10.0000	ND				
Copper, Total	ug/L	MW-23A	06/03/2020		10.0000	ND				
Copper, Total	ug/L	MW-23A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-23A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-23A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-23A	06/08/2023		10.0000	ND				
Copper, Total	ug/L	MW-23A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-23A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-23A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-23A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	10/25/2012	yes	100.0000		yes			*
Lead, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	11/11/2013	yes	10.0000					
Lead, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	05/27/2015	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, Total	ug/L	MW-23A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-23A	06/16/2016		10.0000	ND				
Lead, Total	ug/L	MW-23A	11/16/2016		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/30/2017		10.0000	ND				
Lead, Total	ug/L	MW-23A	11/21/2017		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/31/2018		10.0000	ND				
Lead, Total	ug/L	MW-23A	10/31/2018		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/28/2019		10.0000	ND				
Lead, Total	ug/L	MW-23A	10/15/2019		10.0000	ND				
Lead, Total	ug/L	MW-23A	06/03/2020		10.0000	ND				
Lead, Total	ug/L	MW-23A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-23A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-23A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-23A	06/08/2023		10.0000	ND				
Lead, Total	ug/L	MW-23A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-23A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-23A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-23A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	10/25/2012	yes	200.0000		yes			*
Nickel, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	11/11/2013	yes	100.0000		yes			*
Nickel, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	05/27/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-23A	06/16/2016		10.0000	ND				
Nickel, Total	ug/L	MW-23A	11/16/2016		10.0000	ND				
Nickel, Total	ug/L	MW-23A	05/30/2017		13.0000					**
Nickel, Total	ug/L	MW-23A	11/21/2017		11.0000					**
Nickel, Total	ug/L	MW-23A	05/31/2018		40.0000					**
Nickel, Total	ug/L	MW-23A	10/31/2018		16.0000					**
Nickel, Total	ug/L	MW-23A	05/28/2019		42.0000					**
Nickel, Total	ug/L	MW-23A	10/15/2019		21.0000					**
Nickel, Total	ug/L	MW-23A	06/03/2020		28.0000					**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-23A	10/07/2020		12.4000					**
Nickel, Total	ug/L	MW-23A	05/03/2021		26.1000					**
Nickel, Total	ug/L	MW-23A	11/09/2021		15.8000					**
Nickel, Total	ug/L	MW-23A	05/17/2022		23.3000					**
Nickel, Total	ug/L	MW-23A	10/17/2022		10.0000					**
Nickel, Total	ug/L	MW-23A	06/08/2023		23.6000					**
Nickel, Total	ug/L	MW-23A	10/05/2023		12.1000					**
Nickel, Total	ug/L	MW-23A	05/20/2024		18.5000					**
Nickel, Total	ug/L	MW-23A	10/02/2024		10.0000	ND				
Nickel, Total	ug/L	MW-23A	05/12/2025		13.6000					**
Nickel, Total	ug/L	MW-23A	10/14/2025		10.0000	ND				
Nickel, Total	ug/L	MW-23A	05/27/2026		15.5000					**
Selenium, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	11/11/2013	yes	20.0000	ND			10.0000	***
Selenium, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-23A	06/16/2016		10.0000	ND				
Selenium, Total	ug/L	MW-23A	11/16/2016		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/30/2017		10.0000	ND				
Selenium, Total	ug/L	MW-23A	11/21/2017		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/31/2018		10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/31/2018		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/28/2019		10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/15/2019		10.0000	ND				
Selenium, Total	ug/L	MW-23A	06/03/2020		10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-23A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-23A	06/08/2023		10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-23A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/12/2025		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-23A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-23A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-23A	04/27/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	10/26/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	05/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	06/21/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	07/09/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	08/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	05/09/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-23A	06/16/2016		10.0000	ND				
Silver, Total	ug/L	MW-23A	11/16/2016		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/30/2017		10.0000	ND				
Silver, Total	ug/L	MW-23A	11/21/2017		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/31/2018		10.0000	ND				
Silver, Total	ug/L	MW-23A	10/31/2018		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/28/2019		10.0000	ND				
Silver, Total	ug/L	MW-23A	10/15/2019		10.0000	ND				
Silver, Total	ug/L	MW-23A	06/03/2020		10.0000	ND				
Silver, Total	ug/L	MW-23A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-23A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-23A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-23A	06/08/2023		10.0000	ND				
Silver, Total	ug/L	MW-23A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-23A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-23A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-23A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-23A	04/27/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/26/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	06/21/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	07/09/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	08/18/2010	yes	2.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-23A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/09/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	11/11/2013	yes	4.0000	ND			2.0000	***
Thallium, Total	ug/L	MW-23A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-23A	06/16/2016		2.0000	ND				
Thallium, Total	ug/L	MW-23A	11/16/2016		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/30/2017		2.0000	ND				
Thallium, Total	ug/L	MW-23A	11/21/2017		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/31/2018		2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/31/2018		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/28/2019		2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/15/2019		2.0000	ND				
Thallium, Total	ug/L	MW-23A	06/03/2020		2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-23A	11/09/2021		2.4400					**
Thallium, Total	ug/L	MW-23A	01/13/2022		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-23A	06/08/2023		2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-23A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-23A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-23A	04/27/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/26/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	06/21/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	07/09/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	08/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/09/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/25/2012	yes	430.0000		yes			*
Vanadium, Total	ug/L	MW-23A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	11/11/2013	yes	170.0000		yes			*
Vanadium, Total	ug/L	MW-23A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	11/12/2014	yes	20.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-23A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-23A	06/16/2016		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	11/16/2016		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/30/2017		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	11/21/2017		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/31/2018		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/31/2018		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/28/2019		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/15/2019		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	06/03/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	06/08/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-23A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-23A	04/27/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	10/26/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	05/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	06/21/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	07/09/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	08/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	05/09/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	10/25/2012	yes	420.0000		yes			*
Zinc, Total	ug/L	MW-23A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	11/11/2013	yes	170.0000		yes			*
Zinc, Total	ug/L	MW-23A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	11/12/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-23A	06/16/2016		20.0000	ND				
Zinc, Total	ug/L	MW-23A	11/16/2016		20.0000	ND				
Zinc, Total	ug/L	MW-23A	05/30/2017		20.0000	ND				
Zinc, Total	ug/L	MW-23A	11/21/2017		20.0000	ND				
Zinc, Total	ug/L	MW-23A	05/31/2018		20.0000	ND				
Zinc, Total	ug/L	MW-23A	10/31/2018		20.0000	ND				
Zinc, Total	ug/L	MW-23A	05/28/2019		20.0000	ND				
Zinc, Total	ug/L	MW-23A	10/15/2019		20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, Total	ug/L	MW-23A	06/03/2020		50.0000	ND				
Zinc, Total	ug/L	MW-23A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-23A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-23A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-23A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-23A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-23A	06/08/2023		50.0000	ND				
Zinc, Total	ug/L	MW-23A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-23A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-23A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-23A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-23A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-23A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-34A	04/27/2009	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-34A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-34A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-34A	05/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-34A	06/21/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-34A	08/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-34A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-34A	05/10/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	06/03/2020	yes	6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-34A	01/13/2022		6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-34A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/22/2023		6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-34A	11/24/2025		6.0000	ND				
Antimony, Total	ug/L	MW-34A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-34A	01/13/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-34A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/22/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-34A	11/24/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-34A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-34A	04/27/2009	yes	39.4000					
Barium, Total	ug/L	MW-34A	10/26/2009	yes	40.6000					
Barium, Total	ug/L	MW-34A	12/17/2009	yes	39.2000					
Barium, Total	ug/L	MW-34A	04/13/2010	yes	33.0000					
Barium, Total	ug/L	MW-34A	05/18/2010	yes	34.6000					
Barium, Total	ug/L	MW-34A	06/21/2010	yes	37.5000					
Barium, Total	ug/L	MW-34A	08/18/2010	yes	35.4000					
Barium, Total	ug/L	MW-34A	10/18/2010	yes	39.9000					
Barium, Total	ug/L	MW-34A	05/10/2011	yes	35.0000					
Barium, Total	ug/L	MW-34A	10/19/2011	yes	50.0000					
Barium, Total	ug/L	MW-34A	04/24/2012	yes	38.0000					
Barium, Total	ug/L	MW-34A	10/25/2012	yes	36.0000					
Barium, Total	ug/L	MW-34A	05/07/2013	yes	33.0000					
Barium, Total	ug/L	MW-34A	11/11/2013	yes	38.0000					
Barium, Total	ug/L	MW-34A	05/13/2014	yes	30.0000					
Barium, Total	ug/L	MW-34A	11/12/2014	yes	37.0000					
Barium, Total	ug/L	MW-34A	05/27/2015	yes	31.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-34A	11/18/2015	yes	31.0000					
Barium, Total	ug/L	MW-34A	06/16/2016	yes	37.0000					
Barium, Total	ug/L	MW-34A	11/16/2016	yes	39.0000					
Barium, Total	ug/L	MW-34A	05/30/2017	yes	43.0000					
Barium, Total	ug/L	MW-34A	11/21/2017	yes	310.0000					
Barium, Total	ug/L	MW-34A	05/31/2018	yes	220.0000					
Barium, Total	ug/L	MW-34A	10/31/2018	yes	150.0000					
Barium, Total	ug/L	MW-34A	05/28/2019	yes	190.0000					
Barium, Total	ug/L	MW-34A	10/15/2019	yes	180.0000					
Barium, Total	ug/L	MW-34A	06/03/2020	yes	196.0000					
Barium, Total	ug/L	MW-34A	05/03/2021		35.7000			74.9481		
Barium, Total	ug/L	MW-34A	01/13/2022		35.1000			74.9481		
Barium, Total	ug/L	MW-34A	05/17/2022		235.0000			177.7580		
Barium, Total	ug/L	MW-34A	10/17/2022		297.0000			342.5679		
Barium, Total	ug/L	MW-34A	05/22/2023		186.0000			396.3777		
Barium, Total	ug/L	MW-34A	05/12/2025		43.7000			307.8876		
Barium, Total	ug/L	MW-34A	11/24/2025		39.3000			214.9974		
Barium, Total	ug/L	MW-34A	05/27/2026		33.1000			115.9073		
Beryllium, Total	ug/L	MW-34A	04/27/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	10/26/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	06/21/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	08/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/10/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-34A	01/13/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-34A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/22/2023		4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-34A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-34A	11/24/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-34A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-34A	04/27/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	10/26/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	06/21/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	08/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/10/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-34A	01/13/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-34A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/22/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-34A	11/24/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-34A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-34A	01/13/2022		10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-34A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/22/2023		10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-34A	11/24/2025		10.0000	ND				
Chromium, Total	ug/L	MW-34A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/27/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	11/18/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	06/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	11/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	05/30/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	11/21/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	05/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	10/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	05/28/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	10/15/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-34A	06/03/2020	yes	2.0000	ND			10.0000	***

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, Total	ug/L	MW-34A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-34A	01/13/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-34A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/22/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/12/2025		4.0200					
Cobalt, Total	ug/L	MW-34A	11/24/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-34A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-34A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-34A	01/13/2022		10.0000	ND				
Copper, Total	ug/L	MW-34A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-34A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-34A	05/22/2023		10.0000	ND				
Copper, Total	ug/L	MW-34A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-34A	11/24/2025		10.0000	ND				
Copper, Total	ug/L	MW-34A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				

* - Outlier for that well and constituent.
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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-34A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-34A	01/13/2022		10.0000	ND				
Lead, Total	ug/L	MW-34A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-34A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-34A	05/22/2023		10.0000	ND				
Lead, Total	ug/L	MW-34A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-34A	11/24/2025		10.0000	ND				
Lead, Total	ug/L	MW-34A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	10/19/2011	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/27/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	06/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	11/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/30/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	11/21/2017	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-34A	05/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	10/31/2018	yes	17.0000					
Nickel, Total	ug/L	MW-34A	05/28/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	10/15/2019	yes	21.0000					
Nickel, Total	ug/L	MW-34A	06/03/2020	yes	10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/03/2021		10.0000	ND				
Nickel, Total	ug/L	MW-34A	01/13/2022		10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-34A	10/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/22/2023		10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/12/2025		10.0000	ND				
Nickel, Total	ug/L	MW-34A	11/24/2025		10.0000	ND				
Nickel, Total	ug/L	MW-34A	05/27/2026		10.0000	ND				
Selenium, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	10/19/2011	yes	11.0000					
Selenium, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	06/16/2016	yes	22.0000					
Selenium, Total	ug/L	MW-34A	11/16/2016	yes	12.0000					
Selenium, Total	ug/L	MW-34A	05/30/2017	yes	25.0000					
Selenium, Total	ug/L	MW-34A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-34A	01/13/2022		10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-34A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/22/2023		10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-34A	11/24/2025		10.0000	ND				
Selenium, Total	ug/L	MW-34A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-34A	04/27/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	10/26/2009	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, Total	ug/L	MW-34A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	06/21/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	08/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/10/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-34A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-34A	01/13/2022		10.0000	ND				
Silver, Total	ug/L	MW-34A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-34A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-34A	05/22/2023		10.0000	ND				
Silver, Total	ug/L	MW-34A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-34A	11/24/2025		10.0000	ND				
Silver, Total	ug/L	MW-34A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-34A	04/27/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	10/26/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	06/21/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	08/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/10/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/27/2015	yes	2.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-34A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-34A	01/13/2022		2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-34A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/22/2023		2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-34A	11/24/2025		2.0000	ND				
Thallium, Total	ug/L	MW-34A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-34A	04/27/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	10/26/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	06/21/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	08/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/10/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	10/25/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-34A	01/13/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-34A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/22/2023		20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-34A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-34A	11/24/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-34A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-34A	04/27/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	10/26/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	06/21/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	08/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/10/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	10/25/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	11/12/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-34A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-34A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-34A	01/13/2022		50.0000	ND				
Zinc, Total	ug/L	MW-34A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-34A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-34A	05/22/2023		50.0000	ND				
Zinc, Total	ug/L	MW-34A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-34A	11/24/2025		50.0000	ND				
Zinc, Total	ug/L	MW-34A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-37A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	11/23/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	05/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	06/21/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	07/09/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	08/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-37A	05/09/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	04/24/2012	yes	6.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-37A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-37A	06/16/2016		6.0000	ND				
Antimony, Total	ug/L	MW-37A	11/16/2016		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/30/2017		6.0000	ND				
Antimony, Total	ug/L	MW-37A	11/21/2017		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/31/2018		6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/31/2018		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/28/2019		6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/15/2019		6.0000	ND				
Antimony, Total	ug/L	MW-37A	06/03/2020		6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-37A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-37A	06/08/2023		6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-37A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-37A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-37A	10/26/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	11/23/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	05/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	06/21/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	07/09/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	08/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	05/09/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	05/27/2015	yes	12.0000					
Arsenic, Total	ug/L	MW-37A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-37A	06/16/2016		16.0000					**
Arsenic, Total	ug/L	MW-37A	11/16/2016		19.0000					**
Arsenic, Total	ug/L	MW-37A	05/30/2017		17.0000					**
Arsenic, Total	ug/L	MW-37A	11/21/2017		34.0000					**
Arsenic, Total	ug/L	MW-37A	05/31/2018		29.0000					**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-37A	10/31/2018		40.0000					**
Arsenic, Total	ug/L	MW-37A	05/28/2019		35.0000					**
Arsenic, Total	ug/L	MW-37A	10/15/2019		33.0000					**
Arsenic, Total	ug/L	MW-37A	06/03/2020		44.6000					**
Arsenic, Total	ug/L	MW-37A	10/07/2020		36.4000					**
Arsenic, Total	ug/L	MW-37A	05/03/2021		56.2000					**
Arsenic, Total	ug/L	MW-37A	11/09/2021		53.7000					**
Arsenic, Total	ug/L	MW-37A	05/17/2022		46.1000					**
Arsenic, Total	ug/L	MW-37A	10/17/2022		37.7000					**
Arsenic, Total	ug/L	MW-37A	06/08/2023		35.8000					**
Arsenic, Total	ug/L	MW-37A	10/05/2023		46.7000					**
Arsenic, Total	ug/L	MW-37A	05/20/2024		44.7000					**
Arsenic, Total	ug/L	MW-37A	10/02/2024		62.3000					**
Arsenic, Total	ug/L	MW-37A	05/12/2025		53.4000					**
Arsenic, Total	ug/L	MW-37A	10/14/2025		55.6000					**
Arsenic, Total	ug/L	MW-37A	05/27/2026		51.0000					**
Barium, Total	ug/L	MW-37A	10/26/2009	yes	146.0000					
Barium, Total	ug/L	MW-37A	11/23/2009	yes	146.0000					
Barium, Total	ug/L	MW-37A	12/17/2009	yes	148.0000					
Barium, Total	ug/L	MW-37A	04/13/2010	yes	108.0000					
Barium, Total	ug/L	MW-37A	05/18/2010	yes	115.0000					
Barium, Total	ug/L	MW-37A	06/21/2010	yes	128.0000					
Barium, Total	ug/L	MW-37A	07/09/2010	yes	126.0000					
Barium, Total	ug/L	MW-37A	08/18/2010	yes	134.0000					
Barium, Total	ug/L	MW-37A	10/18/2010	yes	165.0000					
Barium, Total	ug/L	MW-37A	05/09/2011	yes	190.0000					
Barium, Total	ug/L	MW-37A	10/19/2011	yes	240.0000					
Barium, Total	ug/L	MW-37A	04/24/2012	yes	240.0000					
Barium, Total	ug/L	MW-37A	10/25/2012	yes	290.0000					
Barium, Total	ug/L	MW-37A	05/07/2013	yes	290.0000					
Barium, Total	ug/L	MW-37A	11/11/2013	yes	370.0000					
Barium, Total	ug/L	MW-37A	05/13/2014	yes	320.0000					
Barium, Total	ug/L	MW-37A	05/27/2015	yes	350.0000					
Barium, Total	ug/L	MW-37A	11/18/2015	yes	400.0000					
Barium, Total	ug/L	MW-37A	06/16/2016		320.0000			247.1112		
Barium, Total	ug/L	MW-37A	11/16/2016		370.0000			327.2224		
Barium, Total	ug/L	MW-37A	05/30/2017		450.0000			487.3336		
Barium, Total	ug/L	MW-37A	11/21/2017		540.0000			737.4447		
Barium, Total	ug/L	MW-37A	05/31/2018		540.0000			987.5559		**
Barium, Total	ug/L	MW-37A	10/31/2018		640.0000			1087.5559		**
Barium, Total	ug/L	MW-37A	05/28/2019		650.0000			1097.5559		**
Barium, Total	ug/L	MW-37A	10/15/2019		680.0000			1127.5559		**
Barium, Total	ug/L	MW-37A	06/03/2020		718.0000			1165.5559		**
Barium, Total	ug/L	MW-37A	10/07/2020		756.0000			1203.5559		**
Barium, Total	ug/L	MW-37A	05/03/2021		805.0000			1252.5559		**
Barium, Total	ug/L	MW-37A	11/09/2021		914.0000			1361.5559		**
Barium, Total	ug/L	MW-37A	05/17/2022		802.0000			1249.5559		**
Barium, Total	ug/L	MW-37A	10/17/2022		871.0000			1318.5559		**
Barium, Total	ug/L	MW-37A	06/08/2023		982.0000			1429.5559		**
Barium, Total	ug/L	MW-37A	10/05/2023		1140.0000			1587.5559		**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-37A	05/20/2024		1160.0000			1607.5559		**
Barium, Total	ug/L	MW-37A	10/02/2024		1420.0000			1867.5559		**
Barium, Total	ug/L	MW-37A	05/12/2025		1320.0000			1767.5559		**
Barium, Total	ug/L	MW-37A	10/14/2025		1230.0000			1677.5559		**
Barium, Total	ug/L	MW-37A	05/27/2026		1280.0000			1727.5559		**
Beryllium, Total	ug/L	MW-37A	10/26/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	11/23/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	06/21/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	07/09/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	08/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/09/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-37A	06/16/2016		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	11/16/2016		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/30/2017		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	11/21/2017		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/31/2018		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/31/2018		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/28/2019		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/15/2019		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	06/03/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	06/08/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-37A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/26/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	11/23/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	06/21/2010	yes	5.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, Total	ug/L	MW-37A	07/09/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	08/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/09/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-37A	06/16/2016		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	11/16/2016		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/30/2017		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	11/21/2017		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/31/2018		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/31/2018		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/28/2019		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/15/2019		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	06/03/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	06/08/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-37A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-37A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	11/23/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	06/21/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	07/09/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	08/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/09/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/25/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	11/11/2013	yes	12.0000					
Chromium, Total	ug/L	MW-37A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/27/2015	yes	10.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-37A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-37A	06/16/2016		10.0000	ND				
Chromium, Total	ug/L	MW-37A	11/16/2016		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/30/2017		10.0000	ND				
Chromium, Total	ug/L	MW-37A	11/21/2017		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/31/2018		10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/31/2018		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/28/2019		10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/15/2019		10.0000	ND				
Chromium, Total	ug/L	MW-37A	06/03/2020		10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-37A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-37A	06/08/2023		10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-37A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-37A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-37A	10/26/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	11/23/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	05/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	06/21/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	07/09/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	08/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	05/09/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	10/25/2012	yes	11.0000					
Cobalt, Total	ug/L	MW-37A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-37A	11/11/2013	yes	16.0000					
Cobalt, Total	ug/L	MW-37A	05/13/2014	yes	10.0000					
Cobalt, Total	ug/L	MW-37A	05/27/2015	yes	11.0000					
Cobalt, Total	ug/L	MW-37A	11/18/2015	yes	8.3000					
Cobalt, Total	ug/L	MW-37A	06/16/2016		7.8000			10.3500		
Cobalt, Total	ug/L	MW-37A	11/16/2016		7.7000			10.3500		
Cobalt, Total	ug/L	MW-37A	05/30/2017		6.8000			10.3500		
Cobalt, Total	ug/L	MW-37A	11/21/2017		6.9000			10.3500		
Cobalt, Total	ug/L	MW-37A	05/31/2018		7.3000			10.3500		
Cobalt, Total	ug/L	MW-37A	10/31/2018		8.0000			10.3500		
Cobalt, Total	ug/L	MW-37A	05/28/2019		7.0000			10.3500		
Cobalt, Total	ug/L	MW-37A	10/15/2019		7.9000			10.3500		
Cobalt, Total	ug/L	MW-37A	06/03/2020		9.1000			10.3500		
Cobalt, Total	ug/L	MW-37A	10/07/2020		9.6600			10.3500		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, Total	ug/L	MW-37A	05/03/2021		10.6000			10.3500		
Cobalt, Total	ug/L	MW-37A	11/09/2021		12.5000			11.3686		
Cobalt, Total	ug/L	MW-37A	05/17/2022		14.0000			13.8872		
Cobalt, Total	ug/L	MW-37A	10/17/2022		13.2000			15.6059		
Cobalt, Total	ug/L	MW-37A	06/08/2023		16.0000			20.1245		
Cobalt, Total	ug/L	MW-37A	10/05/2023		18.7000			27.3431		**
Cobalt, Total	ug/L	MW-37A	05/20/2024		18.4000			27.0431		**
Cobalt, Total	ug/L	MW-37A	10/02/2024		23.9000			32.5431		**
Cobalt, Total	ug/L	MW-37A	05/12/2025		23.0000			31.6431		**
Cobalt, Total	ug/L	MW-37A	10/14/2025		21.2000			29.8431		**
Cobalt, Total	ug/L	MW-37A	05/27/2026		22.1000			30.7431		**
Copper, Total	ug/L	MW-37A	10/26/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	11/23/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	12/17/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	05/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	06/21/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	07/09/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	08/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	05/09/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	10/25/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	11/11/2013	yes	13.0000					
Copper, Total	ug/L	MW-37A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-37A	06/16/2016		10.0000	ND				
Copper, Total	ug/L	MW-37A	11/16/2016		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/30/2017		10.0000	ND				
Copper, Total	ug/L	MW-37A	11/21/2017		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/31/2018		10.0000	ND				
Copper, Total	ug/L	MW-37A	10/31/2018		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/28/2019		10.0000	ND				
Copper, Total	ug/L	MW-37A	10/15/2019		10.0000	ND				
Copper, Total	ug/L	MW-37A	06/03/2020		10.0000	ND				
Copper, Total	ug/L	MW-37A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-37A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-37A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-37A	06/08/2023		10.0000	ND				
Copper, Total	ug/L	MW-37A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-37A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-37A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-37A	05/27/2026		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, Total	ug/L	MW-37A	10/26/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	11/23/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	05/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	06/21/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	07/09/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	08/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	05/09/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-37A	06/16/2016		10.0000	ND				
Lead, Total	ug/L	MW-37A	11/16/2016		10.0000	ND				
Lead, Total	ug/L	MW-37A	05/30/2017		10.0000	ND				
Lead, Total	ug/L	MW-37A	11/21/2017		10.0000	ND				
Lead, Total	ug/L	MW-37A	05/31/2018		10.0000	ND				
Lead, Total	ug/L	MW-37A	10/31/2018		10.0000	ND				
Lead, Total	ug/L	MW-37A	05/28/2019		10.0000	ND				
Lead, Total	ug/L	MW-37A	10/15/2019		10.0000	ND				
Lead, Total	ug/L	MW-37A	06/03/2020		10.0000	ND				
Lead, Total	ug/L	MW-37A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-37A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-37A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-37A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-37A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-37A	06/08/2023		10.0000	ND				
Lead, Total	ug/L	MW-37A	10/05/2023		11.3000					**
Lead, Total	ug/L	MW-37A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-37A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-37A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-37A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-37A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-37A	10/26/2009	yes	40.8000					
Nickel, Total	ug/L	MW-37A	11/23/2009	yes	39.0000					
Nickel, Total	ug/L	MW-37A	12/17/2009	yes	40.4000					
Nickel, Total	ug/L	MW-37A	04/13/2010	yes	37.8000					
Nickel, Total	ug/L	MW-37A	05/18/2010	yes	35.9000					
Nickel, Total	ug/L	MW-37A	06/21/2010	yes	37.8000					
Nickel, Total	ug/L	MW-37A	07/09/2010	yes	36.9000					
Nickel, Total	ug/L	MW-37A	08/18/2010	yes	40.7000					
Nickel, Total	ug/L	MW-37A	10/18/2010	yes	42.2000					
Nickel, Total	ug/L	MW-37A	05/09/2011	yes	38.0000					
Nickel, Total	ug/L	MW-37A	10/19/2011	yes	46.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-37A	04/24/2012	yes	48.0000					
Nickel, Total	ug/L	MW-37A	10/25/2012	yes	54.0000					
Nickel, Total	ug/L	MW-37A	05/07/2013	yes	66.0000					
Nickel, Total	ug/L	MW-37A	11/11/2013	yes	60.0000					
Nickel, Total	ug/L	MW-37A	05/13/2014	yes	64.0000					
Nickel, Total	ug/L	MW-37A	05/27/2015	yes	57.0000					
Nickel, Total	ug/L	MW-37A	11/18/2015	yes	100.0000					
Nickel, Total	ug/L	MW-37A	06/16/2016		45.0000			49.1389		
Nickel, Total	ug/L	MW-37A	11/16/2016		48.0000			49.1389		
Nickel, Total	ug/L	MW-37A	05/30/2017		51.0000			49.1389		
Nickel, Total	ug/L	MW-37A	11/21/2017		51.0000			49.1389		
Nickel, Total	ug/L	MW-37A	05/31/2018		53.0000			49.1389		
Nickel, Total	ug/L	MW-37A	10/31/2018		63.0000			50.9602		
Nickel, Total	ug/L	MW-37A	05/28/2019		77.0000			66.7816		
Nickel, Total	ug/L	MW-37A	10/15/2019		75.0000			80.6030		
Nickel, Total	ug/L	MW-37A	06/03/2020		83.4000			102.8243		
Nickel, Total	ug/L	MW-37A	10/07/2020		101.0000			142.6457		
Nickel, Total	ug/L	MW-37A	05/03/2021		90.3000			171.7670		**
Nickel, Total	ug/L	MW-37A	11/09/2021		106.0000			187.4670		**
Nickel, Total	ug/L	MW-37A	05/17/2022		102.0000			183.4670		**
Nickel, Total	ug/L	MW-37A	10/17/2022		135.0000			216.4670		**
Nickel, Total	ug/L	MW-37A	06/08/2023		131.0000			212.4670		**
Nickel, Total	ug/L	MW-37A	10/05/2023		178.0000			259.4670		**
Nickel, Total	ug/L	MW-37A	05/20/2024		181.0000			262.4670		**
Nickel, Total	ug/L	MW-37A	10/02/2024		258.0000			339.4670		**
Nickel, Total	ug/L	MW-37A	05/12/2025		278.0000			359.4670		**
Nickel, Total	ug/L	MW-37A	10/14/2025		289.0000			370.4670		**
Nickel, Total	ug/L	MW-37A	05/27/2026		313.0000			394.4670		**
Selenium, Total	ug/L	MW-37A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	11/23/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	06/21/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	07/09/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	08/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/09/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-37A	06/16/2016		10.0000	ND				
Selenium, Total	ug/L	MW-37A	11/16/2016		10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/30/2017		10.0000	ND				
Selenium, Total	ug/L	MW-37A	11/21/2017		10.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-37A	05/31/2018		26.0000					**
Selenium, Total	ug/L	MW-37A	10/31/2018		10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/28/2019		10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/15/2019		10.0000	ND				
Selenium, Total	ug/L	MW-37A	06/03/2020		10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-37A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-37A	06/08/2023		10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-37A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-37A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-37A	10/26/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	11/23/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	05/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	06/21/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	07/09/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	08/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	05/09/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-37A	06/16/2016		10.0000	ND				
Silver, Total	ug/L	MW-37A	11/16/2016		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/30/2017		10.0000	ND				
Silver, Total	ug/L	MW-37A	11/21/2017		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/31/2018		10.0000	ND				
Silver, Total	ug/L	MW-37A	10/31/2018		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/28/2019		10.0000	ND				
Silver, Total	ug/L	MW-37A	10/15/2019		10.0000	ND				
Silver, Total	ug/L	MW-37A	06/03/2020		10.0000	ND				
Silver, Total	ug/L	MW-37A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-37A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-37A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-37A	06/08/2023		10.0000	ND				

* - Outlier for that well and constituent.
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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, Total	ug/L	MW-37A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-37A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-37A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-37A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-37A	10/26/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	11/23/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	06/21/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	07/09/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	08/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/09/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-37A	06/16/2016		2.0000	ND				
Thallium, Total	ug/L	MW-37A	11/16/2016		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/30/2017		2.0000	ND				
Thallium, Total	ug/L	MW-37A	11/21/2017		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/31/2018		2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/31/2018		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/28/2019		2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/15/2019		2.0000	ND				
Thallium, Total	ug/L	MW-37A	06/03/2020		2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-37A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-37A	06/08/2023		2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-37A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-37A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/26/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	11/23/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/18/2010	yes	20.0000	ND				

* - Outlier for that well and constituent.
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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-37A	06/21/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	07/09/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	08/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/09/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/25/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-37A	06/16/2016		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	11/16/2016		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/30/2017		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	11/21/2017		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/31/2018		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/31/2018		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/28/2019		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/15/2019		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	06/03/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	06/08/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-37A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-37A	10/26/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	11/23/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	05/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	06/21/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	07/09/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	08/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	05/09/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	10/25/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	11/11/2013	yes	24.0000					
Zinc, Total	ug/L	MW-37A	05/13/2014	yes	20.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, Total	ug/L	MW-37A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-37A	06/16/2016		20.0000	ND				
Zinc, Total	ug/L	MW-37A	11/16/2016		20.0000	ND				
Zinc, Total	ug/L	MW-37A	05/30/2017		20.0000	ND				
Zinc, Total	ug/L	MW-37A	11/21/2017		20.0000	ND				
Zinc, Total	ug/L	MW-37A	05/31/2018		20.0000	ND				
Zinc, Total	ug/L	MW-37A	10/31/2018		20.0000	ND				
Zinc, Total	ug/L	MW-37A	05/28/2019		20.0000	ND				
Zinc, Total	ug/L	MW-37A	10/15/2019		20.0000	ND				
Zinc, Total	ug/L	MW-37A	06/03/2020		50.0000	ND				
Zinc, Total	ug/L	MW-37A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-37A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-37A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-37A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-37A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-37A	06/08/2023		50.0000	ND				
Zinc, Total	ug/L	MW-37A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-37A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-37A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-37A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-37A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-37A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-38A	10/26/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	11/23/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	12/17/2009	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	04/13/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	05/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	06/21/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	07/09/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	08/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	10/18/2010	yes	6.8000	ND			6.0000	***
Antimony, Total	ug/L	MW-38A	05/09/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/19/2011	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	04/24/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-38A	06/03/2020	yes	6.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-38A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-38A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/22/2023		6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/23/2023		6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-38A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-38A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/26/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	11/23/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	12/17/2009	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	04/13/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	06/21/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	07/09/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	08/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/18/2010	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/09/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/19/2011	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	04/24/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/22/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/23/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-38A	10/14/2025		10.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-38A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-38A	10/26/2009	yes	195.0000					
Barium, Total	ug/L	MW-38A	11/23/2009	yes	215.0000					
Barium, Total	ug/L	MW-38A	12/17/2009	yes	250.0000					
Barium, Total	ug/L	MW-38A	04/13/2010	yes	185.0000					
Barium, Total	ug/L	MW-38A	05/18/2010	yes	186.0000					
Barium, Total	ug/L	MW-38A	06/21/2010	yes	192.0000					
Barium, Total	ug/L	MW-38A	07/09/2010	yes	185.0000					
Barium, Total	ug/L	MW-38A	08/18/2010	yes	213.0000					
Barium, Total	ug/L	MW-38A	10/18/2010	yes	224.0000					
Barium, Total	ug/L	MW-38A	05/09/2011	yes	200.0000					
Barium, Total	ug/L	MW-38A	10/19/2011	yes	200.0000					
Barium, Total	ug/L	MW-38A	04/24/2012	yes	210.0000					
Barium, Total	ug/L	MW-38A	10/25/2012	yes	220.0000					
Barium, Total	ug/L	MW-38A	05/07/2013	yes	230.0000					
Barium, Total	ug/L	MW-38A	11/11/2013	yes	240.0000					
Barium, Total	ug/L	MW-38A	05/13/2014	yes	220.0000					
Barium, Total	ug/L	MW-38A	05/27/2015	yes	210.0000					
Barium, Total	ug/L	MW-38A	11/18/2015	yes	200.0000					
Barium, Total	ug/L	MW-38A	06/16/2016	yes	200.0000					
Barium, Total	ug/L	MW-38A	11/16/2016	yes	220.0000					
Barium, Total	ug/L	MW-38A	05/30/2017	yes	210.0000					
Barium, Total	ug/L	MW-38A	11/21/2017	yes	230.0000					
Barium, Total	ug/L	MW-38A	05/31/2018	yes	200.0000					
Barium, Total	ug/L	MW-38A	10/31/2018	yes	210.0000					
Barium, Total	ug/L	MW-38A	05/28/2019	yes	240.0000					
Barium, Total	ug/L	MW-38A	10/15/2019	yes	230.0000					
Barium, Total	ug/L	MW-38A	06/03/2020	yes	242.0000					
Barium, Total	ug/L	MW-38A	10/07/2020		255.0000			241.2423		
Barium, Total	ug/L	MW-38A	05/03/2021		231.0000			245.2624		
Barium, Total	ug/L	MW-38A	11/09/2021		280.0000			298.2825		
Barium, Total	ug/L	MW-38A	05/17/2022		243.0000			314.3026		
Barium, Total	ug/L	MW-38A	10/17/2022		277.0000			364.3227		**
Barium, Total	ug/L	MW-38A	05/22/2023		237.0000			324.3227		
Barium, Total	ug/L	MW-38A	10/23/2023		300.0000			397.3427		**
Barium, Total	ug/L	MW-38A	05/20/2024		260.0000			357.3427		**
Barium, Total	ug/L	MW-38A	10/02/2024		216.0000			313.3427		
Barium, Total	ug/L	MW-38A	05/12/2025		216.0000			302.3628		
Barium, Total	ug/L	MW-38A	10/14/2025		204.0000			279.3829		
Barium, Total	ug/L	MW-38A	05/27/2026		229.0000			281.4030		
Beryllium, Total	ug/L	MW-38A	10/26/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	11/23/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	12/17/2009	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	04/13/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	06/21/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	07/09/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	08/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/18/2010	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/09/2011	yes	4.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-38A	10/19/2011	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	04/24/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/22/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/23/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-38A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/26/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	11/23/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	12/17/2009	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	04/13/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	06/21/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	07/09/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	08/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/18/2010	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/09/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/19/2011	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	04/24/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/30/2017	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, Total	ug/L	MW-38A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/22/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/23/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-38A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-38A	10/26/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	11/23/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	12/17/2009	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	04/13/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	06/21/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	07/09/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	08/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/18/2010	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/09/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/19/2011	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	04/24/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/25/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-38A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/17/2022		10.0000	ND				

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**** - ND value replaced with manual RL.
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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-38A	05/22/2023		10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/23/2023		10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-38A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-38A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-38A	10/26/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	11/23/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	12/17/2009	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	04/13/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	06/21/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	07/09/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	08/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	10/18/2010	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/09/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	10/19/2011	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	04/24/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	10/25/2012	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/07/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	11/11/2013	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/13/2014	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/27/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	11/18/2015	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	06/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	11/16/2016	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	05/30/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	11/21/2017	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	05/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	10/31/2018	yes	2.8000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	05/28/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	10/15/2019	yes	2.1000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	06/03/2020	yes	2.0000	ND			10.0000	***
Cobalt, Total	ug/L	MW-38A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-38A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	11/09/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/22/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	10/23/2023		2.4700					
Cobalt, Total	ug/L	MW-38A	11/27/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/20/2024		2.0700					
Cobalt, Total	ug/L	MW-38A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/12/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	10/14/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-38A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-38A	10/26/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	11/23/2009	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	12/17/2009	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-38A	04/13/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	06/21/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	07/09/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	08/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	10/18/2010	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/09/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	10/19/2011	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	04/24/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	10/25/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-38A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-38A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-38A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-38A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-38A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-38A	05/22/2023		10.0000	ND				
Copper, Total	ug/L	MW-38A	10/23/2023		11.1000					**
Copper, Total	ug/L	MW-38A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-38A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-38A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-38A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-38A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-38A	10/26/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	11/23/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	12/17/2009	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	04/13/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	06/21/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	07/09/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	08/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	10/18/2010	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/09/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	10/19/2011	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	04/24/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	10/25/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/07/2013	yes	10.0000	ND				

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, Total	ug/L	MW-38A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-38A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-38A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-38A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-38A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-38A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-38A	05/22/2023		10.0000	ND				
Lead, Total	ug/L	MW-38A	10/23/2023		10.0000	ND				
Lead, Total	ug/L	MW-38A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-38A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-38A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-38A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-38A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-38A	10/26/2009	yes	28.4000					
Nickel, Total	ug/L	MW-38A	11/23/2009	yes	31.1000					
Nickel, Total	ug/L	MW-38A	12/17/2009	yes	35.1000					
Nickel, Total	ug/L	MW-38A	04/13/2010	yes	27.8000					
Nickel, Total	ug/L	MW-38A	05/18/2010	yes	28.0000					
Nickel, Total	ug/L	MW-38A	06/21/2010	yes	28.2000					
Nickel, Total	ug/L	MW-38A	07/09/2010	yes	26.9000					
Nickel, Total	ug/L	MW-38A	08/18/2010	yes	32.6000					
Nickel, Total	ug/L	MW-38A	10/18/2010	yes	38.0000					
Nickel, Total	ug/L	MW-38A	05/09/2011	yes	26.0000					
Nickel, Total	ug/L	MW-38A	10/19/2011	yes	25.0000					
Nickel, Total	ug/L	MW-38A	04/24/2012	yes	27.0000					
Nickel, Total	ug/L	MW-38A	10/25/2012	yes	24.0000					
Nickel, Total	ug/L	MW-38A	05/07/2013	yes	25.0000					
Nickel, Total	ug/L	MW-38A	11/11/2013	yes	26.0000					
Nickel, Total	ug/L	MW-38A	05/13/2014	yes	19.0000					
Nickel, Total	ug/L	MW-38A	05/27/2015	yes	19.0000					
Nickel, Total	ug/L	MW-38A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-38A	06/16/2016	yes	10.0000					
Nickel, Total	ug/L	MW-38A	11/16/2016	yes	10.0000					
Nickel, Total	ug/L	MW-38A	05/30/2017	yes	13.0000					
Nickel, Total	ug/L	MW-38A	11/21/2017	yes	16.0000					
Nickel, Total	ug/L	MW-38A	05/31/2018	yes	17.0000					
Nickel, Total	ug/L	MW-38A	10/31/2018	yes	18.0000					
Nickel, Total	ug/L	MW-38A	05/28/2019	yes	18.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-38A	10/15/2019	yes	21.0000					
Nickel, Total	ug/L	MW-38A	06/03/2020	yes	26.5000					
Nickel, Total	ug/L	MW-38A	10/07/2020		30.9000			25.2401		
Nickel, Total	ug/L	MW-38A	05/03/2021		27.7000			24.0727		
Nickel, Total	ug/L	MW-38A	11/09/2021		29.6000			24.8054		
Nickel, Total	ug/L	MW-38A	05/17/2022		30.6000			26.5381		
Nickel, Total	ug/L	MW-38A	10/17/2022		36.1000			33.7707		
Nickel, Total	ug/L	MW-38A	05/22/2023		25.7000			30.6034		
Nickel, Total	ug/L	MW-38A	10/23/2023		28.8000			30.5361		
Nickel, Total	ug/L	MW-38A	05/20/2024		39.1000			40.7687		
Nickel, Total	ug/L	MW-38A	10/02/2024		31.6000			43.5014		
Nickel, Total	ug/L	MW-38A	05/12/2025		31.7000			46.3341		
Nickel, Total	ug/L	MW-38A	10/14/2025		31.5000			48.9667		
Nickel, Total	ug/L	MW-38A	05/27/2026		36.3000			56.3994		
Selenium, Total	ug/L	MW-38A	10/26/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	11/23/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	12/17/2009	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	04/13/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	06/21/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	07/09/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	08/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/18/2010	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/09/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/19/2011	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	04/24/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/30/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-38A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/22/2023		10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/23/2023		10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/02/2024		10.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-38A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-38A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-38A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-38A	10/26/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	11/23/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	12/17/2009	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	04/13/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	06/21/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	07/09/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	08/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	10/18/2010	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/09/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	10/19/2011	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	04/24/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-38A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-38A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-38A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-38A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-38A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-38A	05/22/2023		10.0000	ND				
Silver, Total	ug/L	MW-38A	10/23/2023		10.0000	ND				
Silver, Total	ug/L	MW-38A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-38A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-38A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-38A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-38A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-38A	10/26/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	11/23/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	12/17/2009	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	04/13/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	06/21/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	07/09/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	08/18/2010	yes	2.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-38A	10/18/2010	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/09/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/19/2011	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	04/24/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/13/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-38A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/22/2023		2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/23/2023		2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-38A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-38A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/26/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	11/23/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	12/17/2009	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	04/13/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	06/21/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	07/09/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	08/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/18/2010	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/09/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/19/2011	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	04/24/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/25/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	06/16/2016	yes	20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-38A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/22/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/23/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-38A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-38A	10/26/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	11/23/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	12/17/2009	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	04/13/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	06/21/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	07/09/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	08/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	10/18/2010	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/09/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	10/19/2011	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	04/24/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	10/25/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-38A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-38A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-38A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-38A	11/09/2021		50.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, Total	ug/L	MW-38A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-38A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-38A	05/22/2023		50.0000	ND				
Zinc, Total	ug/L	MW-38A	10/23/2023		50.0000	ND				
Zinc, Total	ug/L	MW-38A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-38A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-38A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-38A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-38A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-39A	08/06/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/25/2012	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/07/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	08/01/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	09/25/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	11/11/2013	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/13/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	08/11/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	11/21/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	06/03/2020	yes	6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-39A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/22/2023		6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-39A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-39A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/25/2012	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, Total	ug/L	MW-39A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/07/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/22/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	10/14/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-39A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-39A	08/06/2012	yes	290.0000					
Barium, Total	ug/L	MW-39A	10/25/2012	yes	490.0000					
Barium, Total	ug/L	MW-39A	05/07/2013	yes	300.0000					
Barium, Total	ug/L	MW-39A	08/01/2013	yes	290.0000					
Barium, Total	ug/L	MW-39A	09/25/2013	yes	290.0000					
Barium, Total	ug/L	MW-39A	11/11/2013	yes	310.0000					
Barium, Total	ug/L	MW-39A	05/13/2014	yes	270.0000					
Barium, Total	ug/L	MW-39A	08/11/2014	yes	300.0000					
Barium, Total	ug/L	MW-39A	11/12/2014	yes	330.0000					
Barium, Total	ug/L	MW-39A	05/27/2015	yes	290.0000					
Barium, Total	ug/L	MW-39A	11/18/2015	yes	310.0000					
Barium, Total	ug/L	MW-39A	06/16/2016	yes	250.0000					
Barium, Total	ug/L	MW-39A	11/16/2016	yes	340.0000					
Barium, Total	ug/L	MW-39A	05/30/2017	yes	260.0000					
Barium, Total	ug/L	MW-39A	11/21/2017	yes	320.0000					
Barium, Total	ug/L	MW-39A	05/31/2018	yes	220.0000					
Barium, Total	ug/L	MW-39A	10/31/2018	yes	280.0000					
Barium, Total	ug/L	MW-39A	05/28/2019	yes	200.0000					
Barium, Total	ug/L	MW-39A	10/15/2019	yes	270.0000					
Barium, Total	ug/L	MW-39A	06/03/2020	yes	192.0000					
Barium, Total	ug/L	MW-39A	10/07/2020		267.0000			290.1000		
Barium, Total	ug/L	MW-39A	05/03/2021		286.0000			290.1000		
Barium, Total	ug/L	MW-39A	11/09/2021		390.0000			343.8298		
Barium, Total	ug/L	MW-39A	05/17/2022		251.0000			290.1000		
Barium, Total	ug/L	MW-39A	10/17/2022		325.0000			290.1000		
Barium, Total	ug/L	MW-39A	05/22/2023		208.0000			290.1000		
Barium, Total	ug/L	MW-39A	10/05/2023		301.0000			290.1000		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-39A	05/20/2024		167.0000			290.1000		
Barium, Total	ug/L	MW-39A	10/02/2024		253.0000			290.1000		
Barium, Total	ug/L	MW-39A	05/12/2025		275.0000			290.1000		
Barium, Total	ug/L	MW-39A	10/14/2025		267.0000			290.1000		
Barium, Total	ug/L	MW-39A	05/27/2026		232.0000			290.1000		
Beryllium, Total	ug/L	MW-39A	08/06/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/25/2012	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/07/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	08/01/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	09/25/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	11/11/2013	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/13/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	08/11/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/22/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/12/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-39A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-39A	08/06/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/25/2012	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/07/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	08/01/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	09/25/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	11/11/2013	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/13/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	08/11/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	11/16/2016	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, Total	ug/L	MW-39A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/22/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-39A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/25/2012	yes	22.0000		yes			*
Chromium, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-39A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/22/2023		10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-39A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-39A	10/14/2025		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-39A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	10/25/2012	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	05/27/2015	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	11/18/2015	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	06/16/2016	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	11/16/2016	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	05/30/2017	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	11/21/2017	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	05/31/2018	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	10/31/2018	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-39A	05/28/2019	yes	2.1000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	10/15/2019	yes	2.1000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	06/03/2020	yes	2.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-39A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-39A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	11/09/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	05/22/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	10/05/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	05/20/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	05/12/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	10/14/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-39A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	10/25/2012	yes	17.0000		yes			*
Copper, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	10/31/2018	yes	10.0000	ND				

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-39A	05/28/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-39A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-39A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-39A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-39A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-39A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-39A	05/22/2023		10.0000	ND				
Copper, Total	ug/L	MW-39A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-39A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-39A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-39A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-39A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-39A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	10/25/2012	yes	24.0000		yes			*
Lead, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-39A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-39A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-39A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-39A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-39A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-39A	05/22/2023		10.0000	ND				
Lead, Total	ug/L	MW-39A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-39A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-39A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-39A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-39A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-39A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/25/2012	yes	30.0000		yes			*
Nickel, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/27/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	06/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	11/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/30/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	11/21/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/28/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/15/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	06/03/2020	yes	10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/07/2020		10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/03/2021		10.0000	ND				
Nickel, Total	ug/L	MW-39A	11/09/2021		10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/22/2023		10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/05/2023		10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/20/2024		10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/02/2024		10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/12/2025		10.0000	ND				
Nickel, Total	ug/L	MW-39A	10/14/2025		10.0000	ND				
Nickel, Total	ug/L	MW-39A	05/27/2026		10.0000	ND				
Selenium, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/25/2012	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/30/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/07/2020		10.0000	ND				

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, Total	ug/L	MW-39A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-39A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/22/2023		10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-39A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-39A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-39A	08/06/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	10/25/2012	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	05/07/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	08/01/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	09/25/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	11/11/2013	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	05/13/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	08/11/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-39A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-39A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-39A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-39A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-39A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-39A	05/22/2023		10.0000	ND				
Silver, Total	ug/L	MW-39A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-39A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-39A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-39A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-39A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-39A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-39A	08/06/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/25/2012	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/07/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	08/01/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	09/25/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	11/11/2013	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/13/2014	yes	2.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-39A	08/11/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-39A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/22/2023		2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/20/2024		2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-39A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-39A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-39A	08/06/2012	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/25/2012	yes	50.0000		yes			*
Vanadium, Total	ug/L	MW-39A	05/07/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	08/01/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	09/25/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	11/11/2013	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/13/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	08/11/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/17/2022		20.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, Total	ug/L	MW-39A	05/22/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-39A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-39A	08/06/2012	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	10/25/2012	yes	55.0000		yes			*
Zinc, Total	ug/L	MW-39A	05/07/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	08/01/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	09/25/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	11/11/2013	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	05/13/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	08/11/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	11/12/2014	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-39A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-39A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-39A	05/03/2021		50.0000	ND				
Zinc, Total	ug/L	MW-39A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-39A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-39A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-39A	05/22/2023		50.0000	ND				
Zinc, Total	ug/L	MW-39A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-39A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-39A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-39A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-39A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-39A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-40A	11/12/2014	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	03/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/27/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	08/20/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	11/18/2015	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	04/25/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	06/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	08/17/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	11/16/2016	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/30/2017	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	11/21/2017	yes	6.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, Total	ug/L	MW-40A	05/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	10/31/2018	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/28/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	10/15/2019	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	06/03/2020	yes	6.0000	ND				
Antimony, Total	ug/L	MW-40A	10/07/2020		6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/03/2021		6.0000	ND				
Antimony, Total	ug/L	MW-40A	11/09/2021		6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-40A	10/17/2022		6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/22/2023		6.0000	ND				
Antimony, Total	ug/L	MW-40A	10/05/2023		6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/20/2024		6.0000	ND				
Antimony, Total	ug/L	MW-40A	10/02/2024		6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/12/2025		6.0000	ND				
Antimony, Total	ug/L	MW-40A	10/14/2025		6.0000	ND				
Antimony, Total	ug/L	MW-40A	05/27/2026		6.0000	ND				
Arsenic, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	03/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/27/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	11/18/2015	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	06/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	11/16/2016	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/30/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	11/21/2017	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	10/31/2018	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/28/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	10/15/2019	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	06/03/2020	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-40A	10/07/2020		12.0000					**
Arsenic, Total	ug/L	MW-40A	12/17/2020		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/03/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	11/09/2021		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	10/17/2022		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/22/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	10/05/2023		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/20/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	10/02/2024		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/12/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	10/14/2025		10.0000	ND				
Arsenic, Total	ug/L	MW-40A	05/27/2026		10.0000	ND				
Barium, Total	ug/L	MW-40A	11/12/2014	yes	250.0000					
Barium, Total	ug/L	MW-40A	03/18/2015	yes	240.0000					
Barium, Total	ug/L	MW-40A	05/27/2015	yes	190.0000					
Barium, Total	ug/L	MW-40A	08/20/2015	yes	190.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, Total	ug/L	MW-40A	11/18/2015	yes	240.0000					
Barium, Total	ug/L	MW-40A	04/25/2016	yes	290.0000					
Barium, Total	ug/L	MW-40A	06/16/2016	yes	290.0000					
Barium, Total	ug/L	MW-40A	08/17/2016	yes	310.0000					
Barium, Total	ug/L	MW-40A	11/16/2016	yes	290.0000					
Barium, Total	ug/L	MW-40A	05/30/2017	yes	300.0000					
Barium, Total	ug/L	MW-40A	11/21/2017	yes	340.0000					
Barium, Total	ug/L	MW-40A	05/31/2018	yes	290.0000					
Barium, Total	ug/L	MW-40A	10/31/2018	yes	300.0000					
Barium, Total	ug/L	MW-40A	05/28/2019	yes	290.0000					
Barium, Total	ug/L	MW-40A	10/15/2019	yes	270.0000					
Barium, Total	ug/L	MW-40A	06/03/2020	yes	293.0000					
Barium, Total	ug/L	MW-40A	10/07/2020		305.0000			273.9838		
Barium, Total	ug/L	MW-40A	05/03/2021		236.0000			273.3125		
Barium, Total	ug/L	MW-40A	11/09/2021		245.0000			273.3125		
Barium, Total	ug/L	MW-40A	05/17/2022		220.0000			273.3125		
Barium, Total	ug/L	MW-40A	10/17/2022		259.0000			273.3125		
Barium, Total	ug/L	MW-40A	05/22/2023		263.0000			273.3125		
Barium, Total	ug/L	MW-40A	10/05/2023		314.0000			282.9838		
Barium, Total	ug/L	MW-40A	05/20/2024		251.0000			273.3125		
Barium, Total	ug/L	MW-40A	10/02/2024		272.0000			273.3125		
Barium, Total	ug/L	MW-40A	05/12/2025		221.0000			273.3125		
Barium, Total	ug/L	MW-40A	10/14/2025		274.0000			273.3125		
Barium, Total	ug/L	MW-40A	05/27/2026		224.0000			273.3125		
Beryllium, Total	ug/L	MW-40A	11/12/2014	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	03/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/27/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	08/20/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	11/18/2015	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	04/25/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	06/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	08/17/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	11/16/2016	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/30/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	11/21/2017	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	10/31/2018	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/28/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	10/15/2019	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	06/03/2020	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-40A	10/07/2020		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/03/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	11/09/2021		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	10/17/2022		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/22/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	10/05/2023		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/20/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	10/02/2024		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/12/2025		4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, Total	ug/L	MW-40A	10/14/2025		4.0000	ND				
Beryllium, Total	ug/L	MW-40A	05/27/2026		4.0000	ND				
Cadmium, Total	ug/L	MW-40A	11/12/2014	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	03/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/27/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	08/20/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	11/18/2015	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	04/25/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	06/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	08/17/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	11/16/2016	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/30/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	11/21/2017	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	10/31/2018	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/28/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	10/15/2019	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	06/03/2020	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-40A	10/07/2020		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/03/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	11/09/2021		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	10/17/2022		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/22/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	10/05/2023		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/20/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	10/02/2024		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/12/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	10/14/2025		5.0000	ND				
Cadmium, Total	ug/L	MW-40A	05/27/2026		5.0000	ND				
Chromium, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	03/18/2015	yes	11.0000					
Chromium, Total	ug/L	MW-40A	05/27/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	11/18/2015	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	06/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	11/16/2016	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/30/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	11/21/2017	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	10/31/2018	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/28/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	10/15/2019	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	06/03/2020	yes	10.0000	ND				
Chromium, Total	ug/L	MW-40A	10/07/2020		10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/03/2021		10.0000	ND				
Chromium, Total	ug/L	MW-40A	11/09/2021		10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/17/2022		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-40A	10/17/2022		10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/22/2023		10.0000	ND				
Chromium, Total	ug/L	MW-40A	10/05/2023		10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/20/2024		10.0000	ND				
Chromium, Total	ug/L	MW-40A	10/02/2024		10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/12/2025		10.0000	ND				
Chromium, Total	ug/L	MW-40A	10/14/2025		10.0000	ND				
Chromium, Total	ug/L	MW-40A	05/27/2026		10.0000	ND				
Cobalt, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	03/18/2015	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	05/27/2015	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	11/18/2015	yes	6.4000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	06/16/2016	yes	6.4000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	11/16/2016	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-40A	05/30/2017	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-40A	11/21/2017	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-40A	05/31/2018	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-40A	10/31/2018	yes	2.8000	ND				
Cobalt, Total	ug/L	MW-40A	05/28/2019	yes	2.1000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	10/15/2019	yes	2.1000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	06/03/2020	yes	2.0000	ND			2.8000	***
Cobalt, Total	ug/L	MW-40A	10/07/2020		2.1000	ND				
Cobalt, Total	ug/L	MW-40A	05/03/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	11/09/2021		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	05/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	10/17/2022		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	05/22/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	10/05/2023		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	05/20/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	10/02/2024		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	05/12/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	10/14/2025		2.0000	ND				
Cobalt, Total	ug/L	MW-40A	05/27/2026		2.0000	ND				
Copper, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	03/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	05/27/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	11/18/2015	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	06/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	11/16/2016	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	05/30/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	11/21/2017	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	05/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	10/31/2018	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	05/28/2019	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Copper, Total	ug/L	MW-40A	10/15/2019	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	06/03/2020	yes	10.0000	ND				
Copper, Total	ug/L	MW-40A	10/07/2020		10.0000	ND				
Copper, Total	ug/L	MW-40A	05/03/2021		10.0000	ND				
Copper, Total	ug/L	MW-40A	11/09/2021		10.0000	ND				
Copper, Total	ug/L	MW-40A	05/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-40A	10/17/2022		10.0000	ND				
Copper, Total	ug/L	MW-40A	05/22/2023		10.0000	ND				
Copper, Total	ug/L	MW-40A	10/05/2023		10.0000	ND				
Copper, Total	ug/L	MW-40A	05/20/2024		10.0000	ND				
Copper, Total	ug/L	MW-40A	10/02/2024		10.0000	ND				
Copper, Total	ug/L	MW-40A	05/12/2025		10.0000	ND				
Copper, Total	ug/L	MW-40A	10/14/2025		10.0000	ND				
Copper, Total	ug/L	MW-40A	05/27/2026		10.0000	ND				
Lead, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	03/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	05/27/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	11/18/2015	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	06/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	11/16/2016	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	05/30/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	11/21/2017	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	05/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	10/31/2018	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	05/28/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	10/15/2019	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	06/03/2020	yes	10.0000	ND				
Lead, Total	ug/L	MW-40A	10/07/2020		10.0000	ND				
Lead, Total	ug/L	MW-40A	05/03/2021		10.0000	ND				
Lead, Total	ug/L	MW-40A	11/09/2021		10.0000	ND				
Lead, Total	ug/L	MW-40A	05/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-40A	10/17/2022		10.0000	ND				
Lead, Total	ug/L	MW-40A	05/22/2023		10.0000	ND				
Lead, Total	ug/L	MW-40A	10/05/2023		10.0000	ND				
Lead, Total	ug/L	MW-40A	05/20/2024		10.0000	ND				
Lead, Total	ug/L	MW-40A	10/02/2024		10.0000	ND				
Lead, Total	ug/L	MW-40A	05/12/2025		10.0000	ND				
Lead, Total	ug/L	MW-40A	10/14/2025		10.0000	ND				
Lead, Total	ug/L	MW-40A	05/27/2026		10.0000	ND				
Nickel, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	03/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/27/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	11/18/2015	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	06/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, Total	ug/L	MW-40A	11/16/2016	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/30/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	11/21/2017	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	10/31/2018	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/28/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	10/15/2019	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	06/03/2020	yes	10.0000	ND				
Nickel, Total	ug/L	MW-40A	10/07/2020		10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/03/2021		10.0000	ND				
Nickel, Total	ug/L	MW-40A	11/09/2021		10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-40A	10/17/2022		10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/22/2023		10.0000	ND				
Nickel, Total	ug/L	MW-40A	10/05/2023		23.4000					**
Nickel, Total	ug/L	MW-40A	05/20/2024		10.0000	ND				
Nickel, Total	ug/L	MW-40A	10/02/2024		10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/12/2025		10.0000	ND				
Nickel, Total	ug/L	MW-40A	10/14/2025		10.0000	ND				
Nickel, Total	ug/L	MW-40A	05/27/2026		10.0000	ND				
Selenium, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	03/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/27/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	11/18/2015	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	06/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	11/16/2016	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/30/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	11/21/2017	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	10/31/2018	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/28/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	10/15/2019	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	06/03/2020	yes	10.0000	ND				
Selenium, Total	ug/L	MW-40A	10/07/2020		10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/03/2021		10.0000	ND				
Selenium, Total	ug/L	MW-40A	11/09/2021		10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-40A	10/17/2022		10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/22/2023		10.0000	ND				
Selenium, Total	ug/L	MW-40A	10/05/2023		10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/20/2024		10.0000	ND				
Selenium, Total	ug/L	MW-40A	10/02/2024		10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/12/2025		10.0000	ND				
Selenium, Total	ug/L	MW-40A	10/14/2025		10.0000	ND				
Selenium, Total	ug/L	MW-40A	05/27/2026		10.0000	ND				
Silver, Total	ug/L	MW-40A	11/12/2014	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	03/18/2015	yes	10.0000	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, Total	ug/L	MW-40A	05/27/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	08/20/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	11/18/2015	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	04/25/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	06/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	08/17/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	11/16/2016	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	05/30/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	11/21/2017	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	05/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	10/31/2018	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	05/28/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	10/15/2019	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	06/03/2020	yes	10.0000	ND				
Silver, Total	ug/L	MW-40A	10/07/2020		10.0000	ND				
Silver, Total	ug/L	MW-40A	05/03/2021		10.0000	ND				
Silver, Total	ug/L	MW-40A	11/09/2021		10.0000	ND				
Silver, Total	ug/L	MW-40A	05/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-40A	10/17/2022		10.0000	ND				
Silver, Total	ug/L	MW-40A	05/22/2023		10.0000	ND				
Silver, Total	ug/L	MW-40A	10/05/2023		10.0000	ND				
Silver, Total	ug/L	MW-40A	05/20/2024		10.0000	ND				
Silver, Total	ug/L	MW-40A	10/02/2024		10.0000	ND				
Silver, Total	ug/L	MW-40A	05/12/2025		10.0000	ND				
Silver, Total	ug/L	MW-40A	10/14/2025		10.0000	ND				
Silver, Total	ug/L	MW-40A	05/27/2026		10.0000	ND				
Thallium, Total	ug/L	MW-40A	11/12/2014	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	03/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/27/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	08/20/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	11/18/2015	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	04/25/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	06/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	08/17/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	11/16/2016	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/30/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	11/21/2017	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	10/31/2018	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/28/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	10/15/2019	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	06/03/2020	yes	2.0000	ND				
Thallium, Total	ug/L	MW-40A	10/07/2020		2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/03/2021		2.0000	ND				
Thallium, Total	ug/L	MW-40A	11/09/2021		2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-40A	10/17/2022		2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/22/2023		2.0000	ND				
Thallium, Total	ug/L	MW-40A	10/05/2023		2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/20/2024		2.0000	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-40A	10/02/2024		2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/12/2025		2.0000	ND				
Thallium, Total	ug/L	MW-40A	10/14/2025		2.0000	ND				
Thallium, Total	ug/L	MW-40A	05/27/2026		2.0000	ND				
Vanadium, Total	ug/L	MW-40A	11/12/2014	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	03/18/2015	yes	20.0000					
Vanadium, Total	ug/L	MW-40A	05/27/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	08/20/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	11/18/2015	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	04/25/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	06/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	08/17/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	11/16/2016	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/30/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	11/21/2017	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	10/31/2018	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/28/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	10/15/2019	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	06/03/2020	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-40A	10/07/2020		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/03/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	11/09/2021		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	10/17/2022		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/22/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	10/05/2023		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/20/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	10/02/2024		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/12/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	10/14/2025		20.0000	ND				
Vanadium, Total	ug/L	MW-40A	05/27/2026		20.0000	ND				
Zinc, Total	ug/L	MW-40A	11/12/2014	yes	25.0000					
Zinc, Total	ug/L	MW-40A	03/18/2015	yes	27.0000					
Zinc, Total	ug/L	MW-40A	05/27/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	08/20/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	11/18/2015	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	04/25/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	06/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	08/17/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	11/16/2016	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	05/30/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	11/21/2017	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	05/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	10/31/2018	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	05/28/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	10/15/2019	yes	20.0000	ND				
Zinc, Total	ug/L	MW-40A	06/03/2020	yes	50.0000	ND			20.0000	***
Zinc, Total	ug/L	MW-40A	10/07/2020		50.0000	ND				
Zinc, Total	ug/L	MW-40A	05/03/2021		50.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, Total	ug/L	MW-40A	11/09/2021		50.0000	ND				
Zinc, Total	ug/L	MW-40A	05/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-40A	10/17/2022		50.0000	ND				
Zinc, Total	ug/L	MW-40A	05/22/2023		50.0000	ND				
Zinc, Total	ug/L	MW-40A	10/05/2023		50.0000	ND				
Zinc, Total	ug/L	MW-40A	05/20/2024		50.0000	ND				
Zinc, Total	ug/L	MW-40A	10/02/2024		50.0000	ND				
Zinc, Total	ug/L	MW-40A	05/12/2025		50.0000	ND				
Zinc, Total	ug/L	MW-40A	10/14/2025		50.0000	ND				
Zinc, Total	ug/L	MW-40A	05/27/2026		50.0000	ND				
Antimony, Total	ug/L	MW-41A	10/14/2025	yes	6.0000	ND				
Antimony, Total	ug/L	MW-41A	11/24/2025	yes	6.0000	ND				
Antimony, Total	ug/L	MW-41A	12/22/2025	yes	6.0000	ND				
Antimony, Total	ug/L	MW-41A	01/21/2026	yes	6.0000	ND				
Antimony, Total	ug/L	MW-41A	03/03/2026	yes	6.0000	ND				
Antimony, Total	ug/L	MW-41A	04/15/2026	yes	6.0000	ND				
Antimony, Total	ug/L	MW-41A	05/27/2026	yes	6.0000	ND				
Arsenic, Total	ug/L	MW-41A	10/14/2025	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-41A	11/24/2025	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-41A	12/22/2025	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-41A	01/21/2026	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-41A	03/03/2026	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-41A	04/15/2026	yes	10.0000	ND				
Arsenic, Total	ug/L	MW-41A	05/27/2026	yes	10.0000	ND				
Barium, Total	ug/L	MW-41A	10/14/2025	yes	91.2000					
Barium, Total	ug/L	MW-41A	11/24/2025	yes	101.0000					
Barium, Total	ug/L	MW-41A	12/22/2025	yes	95.9000					
Barium, Total	ug/L	MW-41A	01/21/2026	yes	88.6000					
Barium, Total	ug/L	MW-41A	03/03/2026	yes	82.3000					
Barium, Total	ug/L	MW-41A	04/15/2026	yes	85.5000					
Barium, Total	ug/L	MW-41A	05/27/2026	yes	105.0000					
Beryllium, Total	ug/L	MW-41A	10/14/2025	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-41A	11/24/2025	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-41A	12/22/2025	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-41A	01/21/2026	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-41A	03/03/2026	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-41A	04/15/2026	yes	4.0000	ND				
Beryllium, Total	ug/L	MW-41A	05/27/2026	yes	4.0000	ND				
Cadmium, Total	ug/L	MW-41A	10/14/2025	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-41A	11/24/2025	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-41A	12/22/2025	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-41A	01/21/2026	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-41A	03/03/2026	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-41A	04/15/2026	yes	5.0000	ND				
Cadmium, Total	ug/L	MW-41A	05/27/2026	yes	5.0000	ND				
Chromium, Total	ug/L	MW-41A	10/14/2025	yes	10.0000	ND				
Chromium, Total	ug/L	MW-41A	11/24/2025	yes	10.0000	ND				
Chromium, Total	ug/L	MW-41A	12/22/2025	yes	10.0000	ND				
Chromium, Total	ug/L	MW-41A	01/21/2026	yes	10.0000	ND				
Chromium, Total	ug/L	MW-41A	03/03/2026	yes	10.0000	ND				

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**** - ND value replaced with manual RL.
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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, Total	ug/L	MW-41A	04/15/2026	yes	10.0000	ND				
Chromium, Total	ug/L	MW-41A	05/27/2026	yes	10.0000	ND				
Cobalt, Total	ug/L	MW-41A	10/14/2025	yes	2.0000	ND				
Cobalt, Total	ug/L	MW-41A	11/24/2025	yes	2.0000	ND				
Cobalt, Total	ug/L	MW-41A	12/22/2025	yes	2.0000	ND				
Cobalt, Total	ug/L	MW-41A	01/21/2026	yes	2.0000	ND				
Cobalt, Total	ug/L	MW-41A	03/03/2026	yes	2.0000	ND				
Cobalt, Total	ug/L	MW-41A	04/15/2026	yes	2.4600					
Cobalt, Total	ug/L	MW-41A	05/27/2026	yes	3.4700					
Copper, Total	ug/L	MW-41A	10/14/2025	yes	10.0000	ND				
Copper, Total	ug/L	MW-41A	11/24/2025	yes	10.0000	ND				
Copper, Total	ug/L	MW-41A	12/22/2025	yes	10.0000	ND				
Copper, Total	ug/L	MW-41A	01/21/2026	yes	10.0000	ND				
Copper, Total	ug/L	MW-41A	03/03/2026	yes	10.0000	ND				
Copper, Total	ug/L	MW-41A	04/15/2026	yes	10.0000	ND				
Copper, Total	ug/L	MW-41A	05/27/2026	yes	10.0000	ND				
Lead, Total	ug/L	MW-41A	10/14/2025	yes	10.0000	ND				
Lead, Total	ug/L	MW-41A	11/24/2025	yes	10.0000	ND				
Lead, Total	ug/L	MW-41A	12/22/2025	yes	10.0000	ND				
Lead, Total	ug/L	MW-41A	01/21/2026	yes	10.0000	ND				
Lead, Total	ug/L	MW-41A	03/03/2026	yes	10.0000	ND				
Lead, Total	ug/L	MW-41A	04/15/2026	yes	10.0000	ND				
Lead, Total	ug/L	MW-41A	05/27/2026	yes	10.0000	ND				
Nickel, Total	ug/L	MW-41A	10/14/2025	yes	10.0000	ND				
Nickel, Total	ug/L	MW-41A	11/24/2025	yes	10.0000	ND				
Nickel, Total	ug/L	MW-41A	12/22/2025	yes	10.0000	ND				
Nickel, Total	ug/L	MW-41A	01/21/2026	yes	10.0000	ND				
Nickel, Total	ug/L	MW-41A	03/03/2026	yes	10.0000	ND				
Nickel, Total	ug/L	MW-41A	04/15/2026	yes	10.0000	ND				
Nickel, Total	ug/L	MW-41A	05/27/2026	yes	10.0000	ND				
Selenium, Total	ug/L	MW-41A	10/14/2025	yes	10.0000	ND				
Selenium, Total	ug/L	MW-41A	11/24/2025	yes	10.0000	ND				
Selenium, Total	ug/L	MW-41A	12/22/2025	yes	10.0000	ND				
Selenium, Total	ug/L	MW-41A	01/21/2026	yes	10.0000	ND				
Selenium, Total	ug/L	MW-41A	03/03/2026	yes	10.0000	ND				
Selenium, Total	ug/L	MW-41A	04/15/2026	yes	10.0000	ND				
Selenium, Total	ug/L	MW-41A	05/27/2026	yes	10.0000	ND				
Silver, Total	ug/L	MW-41A	10/14/2025	yes	10.0000	ND				
Silver, Total	ug/L	MW-41A	11/24/2025	yes	10.0000	ND				
Silver, Total	ug/L	MW-41A	12/22/2025	yes	10.0000	ND				
Silver, Total	ug/L	MW-41A	01/21/2026	yes	10.0000	ND				
Silver, Total	ug/L	MW-41A	03/03/2026	yes	10.0000	ND				
Silver, Total	ug/L	MW-41A	04/15/2026	yes	10.0000	ND				
Silver, Total	ug/L	MW-41A	05/27/2026	yes	10.0000	ND				
Thallium, Total	ug/L	MW-41A	10/14/2025	yes	2.0000	ND				
Thallium, Total	ug/L	MW-41A	11/24/2025	yes	2.0000	ND				
Thallium, Total	ug/L	MW-41A	12/22/2025	yes	2.0000	ND				
Thallium, Total	ug/L	MW-41A	01/21/2026	yes	2.0000	ND				
Thallium, Total	ug/L	MW-41A	03/03/2026	yes	2.0000	ND				
Thallium, Total	ug/L	MW-41A	04/15/2026	yes	2.0000	ND				

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, Total	ug/L	MW-41A	05/27/2026	yes	2.0000	ND				
Vanadium, Total	ug/L	MW-41A	10/14/2025	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-41A	11/24/2025	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-41A	12/22/2025	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-41A	01/21/2026	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-41A	03/03/2026	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-41A	04/15/2026	yes	20.0000	ND				
Vanadium, Total	ug/L	MW-41A	05/27/2026	yes	20.0000	ND				
Zinc, Total	ug/L	MW-41A	10/14/2025	yes	50.0000	ND				
Zinc, Total	ug/L	MW-41A	11/24/2025	yes	50.0000	ND				
Zinc, Total	ug/L	MW-41A	12/22/2025	yes	50.0000	ND				
Zinc, Total	ug/L	MW-41A	01/21/2026	yes	50.0000	ND				
Zinc, Total	ug/L	MW-41A	03/03/2026	yes	50.0000	ND				
Zinc, Total	ug/L	MW-41A	04/15/2026	yes	50.0000	ND				
Zinc, Total	ug/L	MW-41A	05/27/2026	yes	50.0000	ND				

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 4

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Selenium, Total	ug/L	MW-11A	11/18/2015	44.0000		04/24/2008-06/03/2020	25	0.4893
Copper, Total	ug/L	MW-12A	04/27/2009	60.0000	< 60.0000	04/24/2008-06/03/2020	30	0.4556
Cobalt, Total	ug/L	MW-23A	05/27/2015	2.8000	< 2.8000	04/27/2009-11/18/2015	17	0.5973
Cobalt, Total	ug/L	MW-23A	11/18/2015	2.8000	< 2.8000	04/27/2009-11/18/2015	17	0.5973

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-11A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5508.0** / **26** = **211.846**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.22**x**10^6** - **3.03**x**10^7**/**26**) / (**26**-1))^{½} = **43.962**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **211.846** + **6.5** * **43.962** = **497.596**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **26** * (**26**-1) / 2 = **325**	Number of sample pairs during trend detection period.
5	S = **3.261**	Sen's estimator of trend.
6	var(S) = **2029.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**325** - **2.326** * **2029.333**^{½}) / 2 = **110.109**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **0.0**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **13.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **11.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **15.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **13.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **25.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **33.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-11A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **34.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-12A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **6806.5** / **30** = **226.883**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.56**x**10^6** - **4.63**x**10^7**/**30**) / (**30**-1))^{½} = **23.869**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **226.883** + **6.5** * **23.869** = **382.03**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **30** * (**30**-1) / 2 = **435**	Number of sample pairs during trend detection period.
5	S = **3.248**	Sen's estimator of trend.
6	var(S) = **3100.0**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**435** - **2.326** * **3100.0**^{½}) / 2 = **152.747**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **1.044**	One-sided lower confidence limit for slope.
9	LCL(S) > 0	**Significant increasing trend.**

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **10.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **11.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-12A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-13A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **6662.0** / **29** = **229.724**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.62**x**10^6** - **4.44**x**10^7**/**29**) / (**29**-1))^{½} = **56.16**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **229.724** + **6.5** * **56.16** = **594.767**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **29** * (**29**-1) / 2 = **406**	Number of sample pairs during trend detection period.
5	S = **13.071**	Sen's estimator of trend.
6	var(S) = **2830.667**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**406** - **2.326** * **2830.667**^{½}) / 2 = **141.124**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **9.648**	One-sided lower confidence limit for slope.
9	LCL(S) > 0	**Significant increasing trend.**

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-13A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-19A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **4554.0** / **30** = **151.8**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**705216.0** - **2.07**x**10^7**/**30**) / (**30**-1))^{½} = **21.908**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **151.8** + **6.5** * **21.908** = **294.202**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **30** * (**30**-1) / 2 = **435**	Number of sample pairs during trend detection period.
5	S = **0.937**	Sen's estimator of trend.
6	var(S) = **3064.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**435** - **2.326** * **3064.333**^{½}) / 2 = **153.12**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **-1.304**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **10.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-19A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **428.8** / **30** = **14.293**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**6420.3** - **183869.44**/**30**) / (**30**-1))^{½} = **3.169**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **14.293** + **6.5** * **3.169** = **34.895**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **30** * (**30**-1) / 2 = **435**	Number of sample pairs during trend detection period.
5	S = **0.181**	Sen's estimator of trend.
6	var(S) = **3111.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**435** - **2.326** * **3111.333**^{½}) / 2 = **152.629**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **-0.151**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **22.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-19A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-21A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **6926.0** / **29** = **238.828**	Compute background mean.
2	S = (((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = (((**1.69**x**10^6** - **4.80**x**10^7**/**29**) / (**29**-1))^{½} = **33.802**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **238.828** + **6.5** * **33.802** = **458.541**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **29** * (**29**-1) / 2 = **406**	Number of sample pairs during trend detection period.
5	S = **6.515**	Sen's estimator of trend.
6	var(S) = **2803.0**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**406** - **2.326** * **2803.0**^{½}) / 2 = **141.427**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **2.617**	One-sided lower confidence limit for slope.
9	LCL(S) > 0	**Significant increasing trend.**

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-21A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-23A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2768.0** / **17** = **162.824**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**475168.0** - **7.66**x**10^6**/**17**) / (**17**-1))^{½} = **39.109**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **162.824** + **6.5** * **39.109** = **417.033**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **17** * (**17**-1) / 2 = **136**	Number of sample pairs during trend detection period.
5	S = **15.66**	Sen's estimator of trend.
6	var(S) = **587.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**136** - **2.326** * **587.333**^{½}) / 2 = **39.815**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **5.819**	One-sided lower confidence limit for slope.
9	LCL(S) > 0	**Significant increasing trend.**

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **10.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-23A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-34A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2023.6** / **27** = **74.948**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**303118.94** - **4.09**x**10**^{6}/**27**) / (**27**-1))^{½} = **76.323**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **74.948** + **6.5** * **76.323** = **571.045**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **27** * (**27**-1) / 2 = **351**	Number of sample pairs during trend detection period.
5	S = **1.409**	Sen's estimator of trend.
6	var(S) = **2297.0**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**351** - **2.326** * **2297.0**^{½}) / 2 = **119.761**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **-0.257**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **21.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **25.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-34A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **12.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-37A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **3906.0** / **18** = **217.0**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.01**x**10^6** - **1.53**x**10^7**/**18**) / (**18**-1))^{½} = **97.185**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **217.0** + **6.5** * **97.185** = **848.703**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **18** * (**18**-1) / 2 = **153**	Number of sample pairs during trend detection period.
5	S = **49.167**	Sen's estimator of trend.
6	var(S) = **694.0**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**153** - **2.326** * **694.0**^{½}) / 2 = **45.862**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **38.21**	One-sided lower confidence limit for slope.
9	LCL(S) > 0	**Significant increasing trend.**

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **12.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-37A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **186.3** / **18** = **10.35**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1966.89** - **34707.69**/**18**) / (**18**-1))^{½} = **1.509**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **10.35** + **6.5** * **1.509** = **20.155**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **18** * (**18**-1) / 2 = **153**	Number of sample pairs during trend detection period.
5	S = **0.0**	Sen's estimator of trend.
6	var(S) = **362.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**153** - **2.326** * **362.333**^{½}) / 2 = **54.362**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **0.0**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **13.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-37A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **884.5** / **18** = **49.139**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**47844.23** - **782340.25**/**18**) / (**18**-1))^{½} = **16.053**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **49.139** + **6.5** * **16.053** = **153.483**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **18** * (**18**-1) / 2 = **153**	Number of sample pairs during trend detection period.
5	S = **5.842**	Sen's estimator of trend.
6	var(S) = **696.0**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**153** - **2.326** * **696.0**^{½}) / 2 = **45.818**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **3.184**	One-sided lower confidence limit for slope.
9	LCL(S) > 0	**Significant increasing trend.**

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-37A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **24.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-38A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5757.0** / **27** = **213.222**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.24**x**10^6** - **3.31**x**10^7**/**27**) / (**27**-1))^{½} = **18.344**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **213.222** + **6.5** * **18.344** = **332.456**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **27** * (**27**-1) / 2 = **351**	Number of sample pairs during trend detection period.
5	S = **2.544**	Sen's estimator of trend.
6	var(S) = **2266.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**351** - **2.326** * **2266.333**^{½}) / 2 = **120.134**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **0.0**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-38A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **626.6** / **27** = **23.207**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**16022.48** - **392627.56**/**27**) / (**27**-1))^{½} = **7.547**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **23.207** + **6.5** * **7.547** = **72.26**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **27** * (**27**-1) / 2 = **351**	Number of sample pairs during trend detection period.
5	S = **-1.499**	Sen's estimator of trend.
6	var(S) = **2293.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**351** - **2.326** * **2293.333**^{½}) / 2 = **119.805**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **-2.263**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-38A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-39A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5802.0** / **20** = **290.1**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.76**x**10^6** - **3.37**x**10^7**/**20**) / (**20**-1))^{½} = **61.56**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **290.1** + **6.5** * **61.56** = **690.242**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **20** * (**20**-1) / 2 = **190**	Number of sample pairs during trend detection period.
5	S = **-12.267**	Sen's estimator of trend.
6	var(S) = **938.333**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**190** - **2.326** * **938.333**^{½}) / 2 = **59.375**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **-20.598**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.8**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-39A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **20.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **6.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-40A
Normal Control Limit

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **4373.0** / **16** = **273.313**	Compute background mean.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.22**x**10^6** - **1.91**x**10^7**/**16**) / (**16**-1))^{½} = **41.355**	Compute background sd.
3	SCL = $\overline{\mathbf{X}}$ + **F** * **S** = **273.313** + **6.5** * **41.355** = **542.119**	Compute combined Shewhart-CUSUM normal control limit.
4	N' = **N** * (**N**-1) / 2 = **16** * (**16**-1) / 2 = **120**	Number of sample pairs during trend detection period.
5	S = **11.472**	Sen's estimator of trend.
6	var(S) = **473.667**	Variance estimate for slope.
7	M_1(S) = (**N'** - **Z**$_{.99}$ * **var(S)**^{½}) / 2 = (**120** - **2.326** * **473.667**^{½}) / 2 = **34.689**	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	LCL(S) = **0.0**	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **4.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **5.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **11.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.8**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **10.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **2.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **20.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-40A
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **27.0**	Compute nonparametric prediction limit as largest background measurement.
2	Conf = **0.99**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Antimony, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Arsenic, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Barium, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Beryllium, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cadmium, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Chromium, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Cobalt, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Copper, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Lead, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Nickel, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Silver, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Thallium, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Vanadium, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Zinc, Total (ug/L) at MW-41A

Insufficient data to perform analysis

Attachment E

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-Dichloroethane	GU-B/GU-C	4/24/2008		16.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	5/21/2008		17.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	6/18/2008		16.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	8/13/2008		19.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	9/24/2008		21.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	4/27/2009		15.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	10/26/2009		5.6	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	12/17/2009		15.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	12/17/2009		14.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	4/13/2010		21.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	7/09/2010		16.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	10/18/2010		16.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	5/09/2011		29.0	1.0	ug/L
1,1-Dichloroethane	GU-B/GU-C	4/24/2012		24.0	1.0	ug/L
Acetone	GU-B/GU-C	4/13/2010		10	5	ug/L
Benzene	GU-B/GU-C	4/13/2010		1.3	1.0	ug/L
Benzene	GU-B/GU-C	5/09/2011		1.8	1.0	ug/L
Benzene	GU-B/GU-C	4/24/2012		1.7	1.0	ug/L
Bromomethane	GU-B/GU-C	5/21/2008		1	1	ug/L
Chloroethane	GU-B/GU-C	4/24/2008		9.4	1.0	ug/L
Chloroethane	GU-B/GU-C	5/21/2008		12.0	1.0	ug/L
Chloroethane	GU-B/GU-C	6/18/2008		8.0	1.0	ug/L
Chloroethane	GU-B/GU-C	8/13/2008		24.0	1.0	ug/L
Chloroethane	GU-B/GU-C	9/24/2008		23.0	1.0	ug/L
Chloroethane	GU-B/GU-C	4/27/2009		9.6	1.0	ug/L
Chloroethane	GU-B/GU-C	10/26/2009		2.4	1.0	ug/L
Chloroethane	GU-B/GU-C	12/17/2009		7.1	1.0	ug/L
Chloroethane	GU-B/GU-C	12/17/2009		8.5	1.0	ug/L
Chloroethane	GU-B/GU-C	4/13/2010		28.0	1.0	ug/L
Chloroethane	GU-B/GU-C	7/09/2010		8.1	1.0	ug/L
Chloroethane	GU-B/GU-C	10/18/2010		8.0	1.0	ug/L
Chloroethane	GU-B/GU-C	5/09/2011		12.0	1.0	ug/L
Chloroethane	GU-B/GU-C	4/24/2012		16.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	4/24/2008		33.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	5/21/2008		37.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	6/18/2008		36.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	8/13/2008		36.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	9/24/2008		40.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	4/27/2009		23.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	10/26/2009		9.6	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	12/17/2009		24.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	12/17/2009		24.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	4/13/2010		33.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	7/09/2010		21.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	10/18/2010		25.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	5/09/2011		38.0	1.0	ug/L
cis-1,2-Dichloroethene	GU-B/GU-C	4/24/2012		28.0	1.0	ug/L
Iodomethane	GU-B/GU-C	5/21/2008		3.8	1.0	ug/L
Methyl Ethyl Ketone	GU-B/GU-C	4/13/2010		13	5	ug/L
Methylene chloride	GU-B/GU-C	7/09/2010		3.2	1.0	ug/L
Methylene chloride	GU-B/GU-C	10/18/2010		1.8	1.0	ug/L
Methylene chloride	GU-B/GU-C	4/24/2012		1.2	1.0	ug/L
Phenol	GU-B/GU-C	7/09/2010		20	5	ug/L
Trichloroethene	GU-B/GU-C	4/24/2008		8.7	1.0	ug/L
Trichloroethene	GU-B/GU-C	5/21/2008		11.0	1.0	ug/L
Trichloroethene	GU-B/GU-C	6/18/2008		7.3	1.0	ug/L
Trichloroethene	GU-B/GU-C	8/13/2008		10.0	1.0	ug/L
Trichloroethene	GU-B/GU-C	9/24/2008		9.1	1.0	ug/L
Trichloroethene	GU-B/GU-C	4/27/2009		4.6	1.0	ug/L
Trichloroethene	GU-B/GU-C	10/26/2009		1.5	1.0	ug/L
Trichloroethene	GU-B/GU-C	12/17/2009		3.4	1.0	ug/L
Trichloroethene	GU-B/GU-C	12/17/2009		3.4	1.0	ug/L
Trichloroethene	GU-B/GU-C	4/13/2010		4.4	1.0	ug/L
Trichloroethene	GU-B/GU-C	7/09/2010		6.0	1.0	ug/L
Trichloroethene	GU-B/GU-C	10/18/2010		3.6	1.0	ug/L
Trichloroethene	GU-B/GU-C	5/09/2011		4.5	1.0	ug/L
Trichloroethene	GU-B/GU-C	4/24/2012		3.1	1.0	ug/L
Vinyl chloride	GU-B/GU-C	4/24/2008		9.6	1.0	ug/L
Vinyl chloride	GU-B/GU-C	5/21/2008		12.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	6/18/2008		10.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	8/13/2008		14.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	9/24/2008		16.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	4/27/2009		11.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	10/26/2009		1.6	1.0	ug/L
Vinyl chloride	GU-B/GU-C	12/17/2009		8.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	12/17/2009		6.5	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl chloride	GU-B/GU-C	4/13/2010		17.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	7/09/2010		5.8	1.0	ug/L
Vinyl chloride	GU-B/GU-C	10/18/2010		7.4	1.0	ug/L
Vinyl chloride	GU-B/GU-C	5/09/2011		11.0	1.0	ug/L
Vinyl chloride	GU-B/GU-C	4/24/2012		8.7	1.0	ug/L
1,1-Dichloroethane	GW HOLDING POND	12/04/2012		2.3	1.0	ug/L
Chloroethane	GW HOLDING POND	12/04/2012		1.2	1.0	ug/L
cis-1,2-Dichloroethene	GW HOLDING POND	12/04/2012		2.6	1.0	ug/L
1,1-Dichloroethane	Holding Pond	8/29/2013		1.20	1.00	ug/L
1,1-Dichloroethane	Holding Pond	11/16/2016		1.80	1.00	ug/L
1,1-Dichloroethane	Holding Pond	1/23/2017		7.90	1.00	ug/L
1,1-Dichloroethane	Holding Pond	11/21/2017		1.00	1.00	ug/L
1,1-Dichloroethane	Holding Pond	10/15/2019		1.00	1.00	ug/L
1,1-Dichloroethane	Holding Pond	10/07/2020		1.77	1.00	ug/L
1,1-Dichloroethane	Holding Pond	11/09/2021		2.02	1.00	ug/L
1,1-Dichloroethane	Holding Pond	10/05/2023		1.69	1.00	ug/L
Acetone	Holding Pond	3/07/2001		6.5	5.0	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/13/2000		6.10	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/18/2000		8.40	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/25/2000		4.20	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	11/01/2000		2.30	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	11/09/2000		1.30	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	12/20/2000		9.00	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	1/04/2001		11.00	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	2/07/2001		7.40	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	3/07/2001		8.50	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	4/17/2001		1.90	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	6/06/2001		2.00	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	7/09/2001		1.60	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	8/08/2001		1.80	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/02/2001		1.80	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	1/09/2002		11.00	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	1/31/2002		5.80	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	2/25/2002		2.80	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	3/25/2002		3.60	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	4/22/2002		1.60	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	5/24/2002		1.30	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	8/12/2002		1.40	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	9/18/2002		1.20	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/10/2002		1.10	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	1/07/2003		3.00	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	2/27/2003		7.50	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	3/18/2003		2.70	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	5/27/2003		1.20	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	8/13/2003		1.10	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	9/02/2003		1.10	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/15/2003		1.20	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	8/29/2013		1.10	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	11/16/2016		1.90	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	1/23/2017		9.00	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	11/21/2017		1.00	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/15/2019		1.60	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	6/03/2020		1.05	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/07/2020		2.96	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	11/09/2021		2.75	1.00	ug/L
cis-1,2-Dichloroethene	Holding Pond	10/05/2023		2.66	1.00	ug/L
Methylene chloride	Holding Pond	8/13/2003		1.8	1.0	ug/L
Phenolics, Total	Holding Pond	5/29/2001		.006	.005	mg/L
Toluene	Holding Pond	8/01/2013		2	1	ug/L
Trichloroethene	Holding Pond	10/13/2000		5.6	1.0	ug/L
Trichloroethene	Holding Pond	10/18/2000		7.1	1.0	ug/L
Trichloroethene	Holding Pond	10/25/2000		4.3	1.0	ug/L
Trichloroethene	Holding Pond	11/01/2000		2.7	1.0	ug/L
Trichloroethene	Holding Pond	11/09/2000		1.5	1.0	ug/L
Trichloroethene	Holding Pond	12/20/2000		6.8	1.0	ug/L
Trichloroethene	Holding Pond	1/04/2001		7.0	1.0	ug/L
Trichloroethene	Holding Pond	2/07/2001		4.1	1.0	ug/L
Trichloroethene	Holding Pond	3/07/2001		5.5	1.0	ug/L
Trichloroethene	Holding Pond	4/17/2001		1.4	1.0	ug/L
Trichloroethene	Holding Pond	6/06/2001		1.3	1.0	ug/L
Trichloroethene	Holding Pond	7/09/2001		1.1	1.0	ug/L
Trichloroethene	Holding Pond	8/08/2001		1.4	1.0	ug/L
Trichloroethene	Holding Pond	10/02/2001		1.4	1.0	ug/L
Trichloroethene	Holding Pond	1/09/2002		8.3	1.0	ug/L
Trichloroethene	Holding Pond	1/31/2002		4.5	1.0	ug/L
Trichloroethene	Holding Pond	2/25/2002		1.6	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethene	Holding Pond	3/25/2002		2.5	1.0	ug/L
Trichloroethene	Holding Pond	4/22/2002		1.3	1.0	ug/L
Trichloroethene	Holding Pond	5/24/2002		1.2	1.0	ug/L
Trichloroethene	Holding Pond	8/12/2002		1.2	1.0	ug/L
Trichloroethene	Holding Pond	1/07/2003		2.4	1.0	ug/L
Trichloroethene	Holding Pond	2/27/2003		5.0	1.0	ug/L
Trichloroethene	Holding Pond	3/18/2003		2.0	1.0	ug/L
Vinyl chloride	Holding Pond	10/13/2000		.29	1.00	ug/L
Vinyl chloride	Holding Pond	1/09/2002		1.10	1.00	ug/L
Vinyl chloride	Holding Pond	3/25/2002		.35	1.00	ug/L
1,1-Dichloroethane	MW-12A	10/21/1996		96.0	5.0	ug/L
1,1-Dichloroethane	MW-12A	4/24/2008		120.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	5/21/2008		140.0	4.0	ug/L
1,1-Dichloroethane	MW-12A	6/18/2008		120.0	4.0	ug/L
1,1-Dichloroethane	MW-12A	8/13/2008		120.0	4.0	ug/L
1,1-Dichloroethane	MW-12A	9/24/2008		120.0	4.0	ug/L
1,1-Dichloroethane	MW-12A	4/27/2009		110.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	10/26/2009		97.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/26/2009		94.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	12/17/2009		85.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	12/17/2009		93.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	4/13/2010		70.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	7/09/2010		90.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	10/18/2010		81.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	5/09/2011		64.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/19/2011		70.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	4/24/2012		81.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	10/25/2012		75.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	5/07/2013		83.0	2.0	ug/L
1,1-Dichloroethane	MW-12A	11/11/2013		61.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/13/2014		71.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	11/12/2014		64.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/27/2015		67.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	11/18/2015		57.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	6/16/2016		35.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	11/16/2016		33.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/30/2017		33.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	11/21/2017		42.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/31/2018		40.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/31/2018		44.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/28/2019		32.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/15/2019		26.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	6/03/2020		32.9	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/07/2020		27.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/03/2021		17.6	1.0	ug/L
1,1-Dichloroethane	MW-12A	11/09/2021		25.8	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/17/2022		21.5	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/17/2022		24.5	1.0	ug/L
1,1-Dichloroethane	MW-12A	6/08/2023		20.1	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/05/2023		28.7	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/20/2024		14.6	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/02/2024		18.2	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/12/2025		27.0	1.0	ug/L
1,1-Dichloroethane	MW-12A	10/14/2025		21.4	1.0	ug/L
1,1-Dichloroethane	MW-12A	5/27/2026		14.4	1.0	ug/L
1,2-Dichloroethane	MW-12A	4/27/2001		.4	.4	ug/L
1,2-Dichloroethane	MW-12A	10/11/2001		.5	.4	ug/L
1,2-Dichloroethane	MW-12A	4/22/2002		.6	.4	ug/L
1,2-Dichloropropane	MW-12A	4/24/2008		5.30	2.00	ug/L
1,2-Dichloropropane	MW-12A	5/21/2008		6.40	1.00	ug/L
1,2-Dichloropropane	MW-12A	4/27/2009		5.60	2.00	ug/L
1,2-Dichloropropane	MW-12A	10/26/2009		5.00	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/26/2009		4.90	1.00	ug/L
1,2-Dichloropropane	MW-12A	12/17/2009		5.70	2.00	ug/L
1,2-Dichloropropane	MW-12A	12/17/2009		4.80	2.00	ug/L
1,2-Dichloropropane	MW-12A	4/13/2010		5.90	2.00	ug/L
1,2-Dichloropropane	MW-12A	7/09/2010		6.40	2.00	ug/L
1,2-Dichloropropane	MW-12A	10/18/2010		5.80	2.00	ug/L
1,2-Dichloropropane	MW-12A	5/09/2011		4.90	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/19/2011		4.80	1.00	ug/L
1,2-Dichloropropane	MW-12A	4/24/2012		5.30	2.00	ug/L
1,2-Dichloropropane	MW-12A	10/25/2012		5.10	2.00	ug/L
1,2-Dichloropropane	MW-12A	5/07/2013		5.10	2.00	ug/L
1,2-Dichloropropane	MW-12A	11/11/2013		4.70	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/13/2014		4.70	1.00	ug/L
1,2-Dichloropropane	MW-12A	11/12/2014		4.60	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,2-Dichloropropane	MW-12A	5/27/2015		4.70	1.00	ug/L
1,2-Dichloropropane	MW-12A	11/18/2015		4.40	1.00	ug/L
1,2-Dichloropropane	MW-12A	6/16/2016		3.70	1.00	ug/L
1,2-Dichloropropane	MW-12A	11/16/2016		3.10	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/30/2017		3.00	1.00	ug/L
1,2-Dichloropropane	MW-12A	11/21/2017		3.10	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/31/2018		2.80	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/31/2018		2.90	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/28/2019		2.20	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/15/2019		2.30	1.00	ug/L
1,2-Dichloropropane	MW-12A	6/03/2020		1.99	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/07/2020		1.89	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/03/2021		1.33	1.00	ug/L
1,2-Dichloropropane	MW-12A	11/09/2021		1.76	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/17/2022		1.47	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/17/2022		1.66	1.00	ug/L
1,2-Dichloropropane	MW-12A	6/08/2023		1.35	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/05/2023		1.81	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/20/2024		1.02	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/02/2024		1.17	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/12/2025		1.75	1.00	ug/L
1,2-Dichloropropane	MW-12A	10/14/2025		1.41	1.00	ug/L
1,2-Dichloropropane	MW-12A	5/27/2026		1.17	1.00	ug/L
Acetone	MW-12A	5/17/2022		85.2	25.0	ug/L
Acetone	MW-12A	6/08/2023		48.5	25.0	ug/L
Alpha-chlordane	MW-12A	5/03/2021		.17	.05	ug/L
Benzene	MW-12A	5/31/1996		5.00	5.00	ug/L
Benzene	MW-12A	10/21/1996		11.00	5.00	ug/L
Benzene	MW-12A	5/13/1998		6.00	3.00	ug/L
Benzene	MW-12A	7/26/1999		2.00	1.00	ug/L
Benzene	MW-12A	10/13/2000		1.00	1.00	ug/L
Benzene	MW-12A	4/27/2001		2.00	1.00	ug/L
Benzene	MW-12A	10/11/2001		3.00	1.00	ug/L
Benzene	MW-12A	4/22/2002		3.00	1.00	ug/L
Benzene	MW-12A	10/02/2002		3.00	1.00	ug/L
Benzene	MW-12A	4/24/2003		2.00	1.00	ug/L
Benzene	MW-12A	10/15/2003		2.00	1.00	ug/L
Benzene	MW-12A	4/27/2004		2.00	1.00	ug/L
Benzene	MW-12A	10/05/2004		3.00	2.00	ug/L
Benzene	MW-12A	4/20/2005		2.00	1.00	ug/L
Benzene	MW-12A	10/05/2006		4.00	1.00	ug/L
Benzene	MW-12A	4/18/2007		3.00	1.00	ug/L
Benzene	MW-12A	10/03/2007		3.00	1.00	ug/L
Benzene	MW-12A	4/24/2008		2.60	2.00	ug/L
Benzene	MW-12A	5/21/2008		2.60	1.00	ug/L
Benzene	MW-12A	4/27/2009		2.00	2.00	ug/L
Benzene	MW-12A	10/26/2009		1.90	1.00	ug/L
Benzene	MW-12A	10/26/2009		1.80	1.00	ug/L
Benzene	MW-12A	4/13/2010		2.70	2.00	ug/L
Benzene	MW-12A	7/09/2010		2.10	2.00	ug/L
Benzene	MW-12A	5/09/2011		1.70	1.00	ug/L
Benzene	MW-12A	10/19/2011		1.10	1.00	ug/L
Benzene	MW-12A	11/11/2013		1.10	1.00	ug/L
Benzene	MW-12A	5/13/2014		1.00	1.00	ug/L
Benzene	MW-12A	11/12/2014		1.20	1.00	ug/L
Benzene	MW-12A	5/27/2015		1.20	1.00	ug/L
Benzene	MW-12A	11/18/2015		1.30	1.00	ug/L
Benzene	MW-12A	6/16/2016		1.20	1.00	ug/L
Benzene	MW-12A	11/16/2016		1.20	1.00	ug/L
Benzene	MW-12A	5/30/2017		1.10	1.00	ug/L
Benzene	MW-12A	11/21/2017		1.40	1.00	ug/L
Benzene	MW-12A	5/31/2018		1.60	1.00	ug/L
Benzene	MW-12A	10/31/2018		1.60	1.00	ug/L
Benzene	MW-12A	5/28/2019		1.80	1.00	ug/L
Benzene	MW-12A	10/15/2019		1.70	1.00	ug/L
Benzene	MW-12A	6/03/2020		1.44	1.00	ug/L
Benzene	MW-12A	10/07/2020		1.63	1.00	ug/L
Benzene	MW-12A	5/03/2021		1.57	1.00	ug/L
Benzene	MW-12A	11/09/2021		2.10	1.00	ug/L
Benzene	MW-12A	5/17/2022		1.88	1.00	ug/L
Benzene	MW-12A	10/17/2022		1.75	1.00	ug/L
Benzene	MW-12A	6/08/2023		2.63	1.00	ug/L
Benzene	MW-12A	10/05/2023		2.29	1.00	ug/L
Benzene	MW-12A	5/20/2024		2.94	1.00	ug/L
Benzene	MW-12A	10/02/2024		1.38	1.00	ug/L
Benzene	MW-12A	5/12/2025		1.42	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-12A	10/14/2025		1.28	1.00	ug/L
Benzene	MW-12A	5/27/2026		1.79	1.00	ug/L
Chlordane	MW-12A	5/03/2021		3.11	.50	ug/L
Chloroethane	MW-12A	10/21/1996		19.00	10.00	ug/L
Chloroethane	MW-12A	4/24/2008		22.00	2.00	ug/L
Chloroethane	MW-12A	5/21/2008		29.00	1.00	ug/L
Chloroethane	MW-12A	6/18/2008		23.00	4.00	ug/L
Chloroethane	MW-12A	8/13/2008		47.00	4.00	ug/L
Chloroethane	MW-12A	4/27/2009		26.00	2.00	ug/L
Chloroethane	MW-12A	10/26/2009		61.00	1.00	ug/L
Chloroethane	MW-12A	10/26/2009		34.00	1.00	ug/L
Chloroethane	MW-12A	12/17/2009		24.00	2.00	ug/L
Chloroethane	MW-12A	12/17/2009		24.00	2.00	ug/L
Chloroethane	MW-12A	4/13/2010		62.00	2.00	ug/L
Chloroethane	MW-12A	7/09/2010		24.00	2.00	ug/L
Chloroethane	MW-12A	10/18/2010		20.00	2.00	ug/L
Chloroethane	MW-12A	5/09/2011		21.00	1.00	ug/L
Chloroethane	MW-12A	10/19/2011		18.00	1.00	ug/L
Chloroethane	MW-12A	4/24/2012		38.00	2.00	ug/L
Chloroethane	MW-12A	10/25/2012		23.00	2.00	ug/L
Chloroethane	MW-12A	5/07/2013		21.00	2.00	ug/L
Chloroethane	MW-12A	11/11/2013		21.00	1.00	ug/L
Chloroethane	MW-12A	5/13/2014		11.00	1.00	ug/L
Chloroethane	MW-12A	11/12/2014		29.00	1.00	ug/L
Chloroethane	MW-12A	5/27/2015		27.00	1.00	ug/L
Chloroethane	MW-12A	11/18/2015		33.00	1.00	ug/L
Chloroethane	MW-12A	6/16/2016		32.00	1.00	ug/L
Chloroethane	MW-12A	11/16/2016		35.00	1.00	ug/L
Chloroethane	MW-12A	5/30/2017		25.00	1.00	ug/L
Chloroethane	MW-12A	11/21/2017		27.00	1.00	ug/L
Chloroethane	MW-12A	5/31/2018		21.00	1.00	ug/L
Chloroethane	MW-12A	10/31/2018		28.00	1.00	ug/L
Chloroethane	MW-12A	5/28/2019		24.00	1.00	ug/L
Chloroethane	MW-12A	10/15/2019		29.00	1.00	ug/L
Chloroethane	MW-12A	6/03/2020		17.50	2.50	ug/L
Chloroethane	MW-12A	10/07/2020		18.30	2.50	ug/L
Chloroethane	MW-12A	5/03/2021		14.20	2.50	ug/L
Chloroethane	MW-12A	11/09/2021		18.80	2.50	ug/L
Chloroethane	MW-12A	5/17/2022		18.40	2.50	ug/L
Chloroethane	MW-12A	10/17/2022		23.90	2.50	ug/L
Chloroethane	MW-12A	6/08/2023		11.80	2.50	ug/L
Chloroethane	MW-12A	10/05/2023		13.80	2.50	ug/L
Chloroethane	MW-12A	5/20/2024		9.20	2.50	ug/L
Chloroethane	MW-12A	10/02/2024		8.82	2.50	ug/L
Chloroethane	MW-12A	5/12/2025		13.70	2.50	ug/L
Chloroethane	MW-12A	10/14/2025		9.75	2.50	ug/L
Chloroethane	MW-12A	5/27/2026		11.50	2.50	ug/L
cis-1,2-Dichloroethene	MW-12A	10/21/1996		2600.00	5.00	ug/L
cis-1,2-Dichloroethene	MW-12A	4/24/2008		170.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/21/2008		200.00	4.00	ug/L
cis-1,2-Dichloroethene	MW-12A	6/18/2008		210.00	4.00	ug/L
cis-1,2-Dichloroethene	MW-12A	8/13/2008		190.00	4.00	ug/L
cis-1,2-Dichloroethene	MW-12A	9/24/2008		190.00	4.00	ug/L
cis-1,2-Dichloroethene	MW-12A	4/27/2009		180.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/26/2009		150.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/26/2009		120.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	12/17/2009		160.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	12/17/2009		170.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	4/13/2010		130.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	7/09/2010		180.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/18/2010		160.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/09/2011		110.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/19/2011		150.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	4/24/2012		170.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/25/2012		120.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/07/2013		130.00	2.00	ug/L
cis-1,2-Dichloroethene	MW-12A	11/11/2013		12.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/13/2014		44.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	11/12/2014		27.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/27/2015		55.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	11/18/2015		54.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	6/16/2016		16.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	11/16/2016		19.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/30/2017		12.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	11/21/2017		36.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/31/2018		35.00	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-12A	10/31/2018		42.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/28/2019		18.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/15/2019		24.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	6/03/2020		23.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/07/2020		28.30	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/03/2021		8.42	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	11/09/2021		19.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/17/2022		24.90	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/17/2022		23.60	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	6/08/2023		16.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/05/2023		38.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/20/2024		13.90	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/02/2024		22.60	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/12/2025		30.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	10/14/2025		26.50	1.00	ug/L
cis-1,2-Dichloroethene	MW-12A	5/27/2026		12.10	1.00	ug/L
Methylene chloride	MW-12A	10/21/1996		32.0	5.0	ug/L
Methylene chloride	MW-12A	4/24/2008		2.4	2.0	ug/L
Methylene chloride	MW-12A	10/26/2009		1.5	1.0	ug/L
Methylene chloride	MW-12A	10/18/2010		2.3	2.0	ug/L
Methylene chloride	MW-12A	5/09/2011		1.2	1.0	ug/L
Methylene chloride	MW-12A	10/19/2011		1.1	1.0	ug/L
Methylene chloride	MW-12A	4/24/2012		2.2	2.0	ug/L
Methylene chloride	MW-12A	10/25/2012		2.1	2.0	ug/L
Methylene chloride	MW-12A	5/07/2013		2.1	2.0	ug/L
Methylene chloride	MW-12A	5/13/2014		1.3	1.0	ug/L
Methylene chloride	MW-12A	11/12/2014		1.5	1.0	ug/L
Toluene	MW-12A	4/13/2010		2.4	2.0	ug/L
Toluene	MW-12A	11/12/2014		1.0	1.0	ug/L
Total Xylenes	MW-12A	10/21/1996		17	10	ug/L
trans-1,2-Dichloroethene	MW-12A	10/21/1996		7.70	5.00	ug/L
trans-1,2-Dichloroethene	MW-12A	4/24/2008		9.70	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/21/2008		9.40	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	6/18/2008		8.90	4.00	ug/L
trans-1,2-Dichloroethene	MW-12A	8/13/2008		8.00	4.00	ug/L
trans-1,2-Dichloroethene	MW-12A	9/24/2008		8.00	4.00	ug/L
trans-1,2-Dichloroethene	MW-12A	4/27/2009		8.80	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/26/2009		8.30	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/26/2009		8.00	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	12/17/2009		6.80	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	12/17/2009		7.70	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	4/13/2010		7.30	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	7/09/2010		8.80	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/18/2010		6.80	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/09/2011		7.90	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/19/2011		8.40	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	4/24/2012		11.00	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/25/2012		7.20	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/07/2013		9.00	2.00	ug/L
trans-1,2-Dichloroethene	MW-12A	11/11/2013		2.70	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/13/2014		4.80	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	11/12/2014		7.20	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/27/2015		8.80	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	11/18/2015		8.40	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	6/16/2016		5.30	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	11/16/2016		5.30	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/30/2017		3.50	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	11/21/2017		5.00	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/31/2018		5.20	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/31/2018		6.40	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/28/2019		4.40	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/15/2019		4.40	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	6/03/2020		4.95	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/07/2020		4.34	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/03/2021		2.86	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	11/09/2021		3.78	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/17/2022		4.32	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/17/2022		4.39	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	6/08/2023		2.27	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/05/2023		4.18	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/20/2024		1.95	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/02/2024		2.57	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/12/2025		3.88	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	10/14/2025		3.18	1.00	ug/L
trans-1,2-Dichloroethene	MW-12A	5/27/2026		2.06	1.00	ug/L
Trichloroethene	MW-12A	5/31/1996		94.0	5.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethene	MW-12A	10/21/1996		130.0	5.0	ug/L
Trichloroethene	MW-12A	5/13/1998		91.0	3.0	ug/L
Trichloroethene	MW-12A	5/13/1998		9.1	3.2	ug/L
Trichloroethene	MW-12A	10/08/1998		14.0	3.0	ug/L
Trichloroethene	MW-12A	4/29/1999		15.0	3.0	ug/L
Trichloroethene	MW-12A	7/26/1999		17.0	1.0	ug/L
Trichloroethene	MW-12A	4/27/2000		15.0	1.0	ug/L
Trichloroethene	MW-12A	10/13/2000		16.0	1.0	ug/L
Trichloroethene	MW-12A	4/27/2001		12.0	1.0	ug/L
Trichloroethene	MW-12A	10/11/2001		14.0	1.0	ug/L
Trichloroethene	MW-12A	4/22/2002		12.0	1.0	ug/L
Trichloroethene	MW-12A	10/02/2002		9.0	1.0	ug/L
Trichloroethene	MW-12A	4/24/2003		7.0	1.0	ug/L
Trichloroethene	MW-12A	10/15/2003		4.0	1.0	ug/L
Trichloroethene	MW-12A	4/27/2004		3.0	1.0	ug/L
Trichloroethene	MW-12A	10/05/2004		4.0	2.0	ug/L
Trichloroethene	MW-12A	4/20/2005		3.0	1.0	ug/L
Trichloroethene	MW-12A	10/05/2006		2.0	1.0	ug/L
Trichloroethene	MW-12A	4/18/2007		2.0	1.0	ug/L
Trichloroethene	MW-12A	10/03/2007		1.0	1.0	ug/L
Trichloroethene	MW-12A	5/21/2008		1.2	1.0	ug/L
Vinyl chloride	MW-12A	10/21/1996		640.00	2.00	ug/L
Vinyl chloride	MW-12A	4/24/2008		62.00	2.00	ug/L
Vinyl chloride	MW-12A	5/21/2008		72.00	1.00	ug/L
Vinyl chloride	MW-12A	6/18/2008		72.00	4.00	ug/L
Vinyl chloride	MW-12A	8/13/2008		55.00	4.00	ug/L
Vinyl chloride	MW-12A	9/24/2008		52.00	4.00	ug/L
Vinyl chloride	MW-12A	4/27/2009		68.00	2.00	ug/L
Vinyl chloride	MW-12A	10/26/2009		67.00	1.00	ug/L
Vinyl chloride	MW-12A	10/26/2009		92.00	1.00	ug/L
Vinyl chloride	MW-12A	12/17/2009		29.00	2.00	ug/L
Vinyl chloride	MW-12A	12/17/2009		39.00	2.00	ug/L
Vinyl chloride	MW-12A	4/13/2010		79.00	2.00	ug/L
Vinyl chloride	MW-12A	7/09/2010		49.00	2.00	ug/L
Vinyl chloride	MW-12A	10/18/2010		40.00	2.00	ug/L
Vinyl chloride	MW-12A	5/09/2011		41.00	1.00	ug/L
Vinyl chloride	MW-12A	10/19/2011		29.00	1.00	ug/L
Vinyl chloride	MW-12A	4/24/2012		56.00	2.00	ug/L
Vinyl chloride	MW-12A	10/25/2012		81.00	2.00	ug/L
Vinyl chloride	MW-12A	5/07/2013		68.00	2.00	ug/L
Vinyl chloride	MW-12A	11/11/2013		43.00	1.00	ug/L
Vinyl chloride	MW-12A	5/13/2014		73.00	1.00	ug/L
Vinyl chloride	MW-12A	11/12/2014		19.00	1.00	ug/L
Vinyl chloride	MW-12A	5/27/2015		33.00	1.00	ug/L
Vinyl chloride	MW-12A	11/18/2015		30.00	1.00	ug/L
Vinyl chloride	MW-12A	6/16/2016		34.00	1.00	ug/L
Vinyl chloride	MW-12A	11/16/2016		56.00	1.00	ug/L
Vinyl chloride	MW-12A	5/30/2017		49.00	1.00	ug/L
Vinyl chloride	MW-12A	11/21/2017		52.00	1.00	ug/L
Vinyl chloride	MW-12A	5/31/2018		44.00	1.00	ug/L
Vinyl chloride	MW-12A	10/31/2018		34.00	1.00	ug/L
Vinyl chloride	MW-12A	5/28/2019		36.00	1.00	ug/L
Vinyl chloride	MW-12A	10/15/2019		28.00	1.00	ug/L
Vinyl chloride	MW-12A	6/03/2020		36.00	1.00	ug/L
Vinyl chloride	MW-12A	10/07/2020		24.30	1.00	ug/L
Vinyl chloride	MW-12A	5/03/2021		20.80	1.00	ug/L
Vinyl chloride	MW-12A	11/09/2021		29.40	1.00	ug/L
Vinyl chloride	MW-12A	5/17/2022		18.40	1.00	ug/L
Vinyl chloride	MW-12A	10/17/2022		34.40	1.00	ug/L
Vinyl chloride	MW-12A	6/08/2023		24.30	1.00	ug/L
Vinyl chloride	MW-12A	10/05/2023		22.80	1.00	ug/L
Vinyl chloride	MW-12A	5/20/2024		9.67	1.00	ug/L
Vinyl chloride	MW-12A	10/02/2024		16.40	1.00	ug/L
Vinyl chloride	MW-12A	5/12/2025		25.10	1.00	ug/L
Vinyl chloride	MW-12A	10/14/2025		20.40	1.00	ug/L
Vinyl chloride	MW-12A	5/27/2026		11.90	1.00	ug/L
Acetone	MW-13A	11/18/2015		65.0	10.0	ug/L
Acetone	MW-13A	6/08/2023		92.9	25.0	ug/L
Benzene	MW-13A	3/27/1998		4.2	3.1	ug/L
Bromomethane	MW-13A	5/21/2008		1.1	1.0	ug/L
1,1-Dichloroethane	MW-19A	5/21/2008		2.30	1.00	ug/L
1,1-Dichloroethane	MW-19A	6/18/2008		4.10	1.00	ug/L
1,1-Dichloroethane	MW-19A	8/13/2008		2.70	1.00	ug/L
1,1-Dichloroethane	MW-19A	9/24/2008		1.50	1.00	ug/L
1,1-Dichloroethane	MW-19A	4/27/2009		2.20	1.00	ug/L
1,1-Dichloroethane	MW-19A	10/26/2009		1.40	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-Dichloroethane	MW-19A	10/26/2009		1.30	1.00	ug/L
1,1-Dichloroethane	MW-19A	4/13/2010		1.40	1.00	ug/L
1,1-Dichloroethane	MW-19A	7/09/2010		3.00	1.00	ug/L
1,1-Dichloroethane	MW-19A	10/18/2010		1.30	1.00	ug/L
1,1-Dichloroethane	MW-19A	5/09/2011		1.80	1.00	ug/L
1,1-Dichloroethane	MW-19A	5/07/2013		1.80	1.00	ug/L
1,1-Dichloroethane	MW-19A	11/11/2013		1.40	1.00	ug/L
1,1-Dichloroethane	MW-19A	5/30/2017		1.80	1.00	ug/L
1,1-Dichloroethane	MW-19A	5/31/2018		2.40	1.00	ug/L
1,1-Dichloroethane	MW-19A	5/28/2019		1.00	1.00	ug/L
1,1-Dichloroethane	MW-19A	6/03/2020		1.36	1.00	ug/L
Bromomethane	MW-19A	5/21/2008		1.5	1.0	ug/L
Chloroethane	MW-19A	5/21/2008		3.6	1.0	ug/L
Chloroethane	MW-19A	6/18/2008		4.5	1.0	ug/L
Chloroethane	MW-19A	8/13/2008		5.0	1.0	ug/L
Chloroethane	MW-19A	4/27/2009		3.1	1.0	ug/L
Chloroethane	MW-19A	10/26/2009		2.9	1.0	ug/L
Chloroethane	MW-19A	10/26/2009		3.5	1.0	ug/L
Chloroethane	MW-19A	12/17/2009		1.6	1.0	ug/L
Chloroethane	MW-19A	12/17/2009		1.9	1.0	ug/L
Chloroethane	MW-19A	4/13/2010		4.0	1.0	ug/L
Chloroethane	MW-19A	7/09/2010		2.2	1.0	ug/L
Chloroethane	MW-19A	10/18/2010		1.4	1.0	ug/L
Chloroethane	MW-19A	5/09/2011		1.4	1.0	ug/L
Chloroethane	MW-19A	4/24/2012		1.1	1.0	ug/L
Chloroethane	MW-19A	5/07/2013		1.9	1.0	ug/L
cis-1,2-Dichloroethene	MW-19A	5/21/2008		1.2	1.0	ug/L
cis-1,2-Dichloroethene	MW-19A	6/18/2008		3.6	1.0	ug/L
cis-1,2-Dichloroethene	MW-19A	8/13/2008		2.5	1.0	ug/L
cis-1,2-Dichloroethene	MW-19A	7/09/2010		1.2	1.0	ug/L
cis-1,2-Dichloroethene	MW-19A	5/31/2018		1.0	1.0	ug/L
Phenolics, Total	MW-19A	10/13/2000		.006	.005	mg/L
Toluene	MW-19A	8/27/1996		12.0	5.0	ug/L
Toluene	MW-19A	10/09/1997		3.5	2.5	ug/L
Vinyl chloride	MW-19A	6/18/2008		2.3	1.0	ug/L
Vinyl chloride	MW-19A	8/13/2008		1.2	1.0	ug/L
Bromomethane	MW-21A	5/21/2008		1.6	1.0	ug/L
1,2-Dichlorobenzene	MW-23A	7/09/2010		10.0	9.7	ug/L
Acetone	MW-23A	5/28/2019		71.0	10.0	ug/L
Acetone	MW-23A	10/14/2025		40.8	25.0	ug/L
Benzene	MW-23A	11/18/2015		2.30	1.00	ug/L
Benzene	MW-23A	6/16/2016		2.10	1.00	ug/L
Benzene	MW-23A	11/16/2016		1.30	1.00	ug/L
Benzene	MW-23A	5/31/2018		1.60	1.00	ug/L
Benzene	MW-23A	5/28/2019		3.50	1.00	ug/L
Benzene	MW-23A	10/15/2019		1.40	1.00	ug/L
Benzene	MW-23A	10/02/2024		1.15	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	4/27/2009		3.60	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/26/2009		4.50	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	12/17/2009		3.90	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	4/13/2010		2.90	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/18/2010		2.60	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	6/21/2010		4.10	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	7/09/2010		4.50	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	8/18/2010		3.60	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/18/2010		5.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/09/2011		1.50	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/19/2011		9.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	4/24/2012		7.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/25/2012		6.40	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/07/2013		4.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	11/11/2013		4.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/13/2014		4.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	11/12/2014		4.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/27/2015		5.10	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	11/18/2015		4.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	6/16/2016		1.90	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	11/16/2016		3.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/30/2017		2.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	11/21/2017		3.70	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/31/2018		2.30	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/31/2018		3.40	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/28/2019		2.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/15/2019		3.30	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	6/03/2020		2.64	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/07/2020		3.93	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-23A	5/03/2021		3.15	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	11/09/2021		3.96	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/17/2022		3.18	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/17/2022		4.15	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	6/08/2023		2.06	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/05/2023		2.63	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/20/2024		1.16	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	10/02/2024		2.10	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/12/2025		1.35	1.00	ug/L
cis-1,2-Dichloroethene	MW-23A	5/27/2026		1.00	1.00	ug/L
Phenolics, Total	MW-23A	10/04/1999		.011	.005	mg/L
Trichloroethene	MW-23A	10/04/1999		81.00	1.00	ug/L
Trichloroethene	MW-23A	1/19/2000		65.00	1.00	ug/L
Trichloroethene	MW-23A	4/27/2000		48.00	1.00	ug/L
Trichloroethene	MW-23A	7/26/2000		98.00	1.00	ug/L
Trichloroethene	MW-23A	7/26/2000		96.00	1.00	ug/L
Trichloroethene	MW-23A	10/13/2000		88.00	1.00	ug/L
Trichloroethene	MW-23A	1/31/2001		69.00	1.00	ug/L
Trichloroethene	MW-23A	4/27/2001		47.00	1.00	ug/L
Trichloroethene	MW-23A	7/26/2001		75.00	1.00	ug/L
Trichloroethene	MW-23A	10/11/2001		100.00	1.00	ug/L
Trichloroethene	MW-23A	4/22/2002		83.00	1.00	ug/L
Trichloroethene	MW-23A	10/02/2002		120.00	1.00	ug/L
Trichloroethene	MW-23A	4/24/2003		77.00	1.00	ug/L
Trichloroethene	MW-23A	10/15/2003		72.00	1.00	ug/L
Trichloroethene	MW-23A	4/27/2004		47.00	1.00	ug/L
Trichloroethene	MW-23A	10/05/2004		30.00	1.00	ug/L
Trichloroethene	MW-23A	4/20/2005		15.00	1.00	ug/L
Trichloroethene	MW-23A	10/05/2005		21.00	1.00	ug/L
Trichloroethene	MW-23A	10/05/2006		19.00	1.00	ug/L
Trichloroethene	MW-23A	4/18/2007		4.00	1.00	ug/L
Trichloroethene	MW-23A	10/03/2007		17.00	1.00	ug/L
Trichloroethene	MW-23A	4/27/2009		9.80	1.00	ug/L
Trichloroethene	MW-23A	10/26/2009		8.20	1.00	ug/L
Trichloroethene	MW-23A	12/17/2009		11.00	1.00	ug/L
Trichloroethene	MW-23A	4/13/2010		7.60	1.00	ug/L
Trichloroethene	MW-23A	5/18/2010		7.00	1.00	ug/L
Trichloroethene	MW-23A	6/21/2010		10.00	1.00	ug/L
Trichloroethene	MW-23A	7/09/2010		10.00	1.00	ug/L
Trichloroethene	MW-23A	8/18/2010		8.80	1.00	ug/L
Trichloroethene	MW-23A	10/18/2010		12.00	1.00	ug/L
Trichloroethene	MW-23A	5/09/2011		4.50	1.00	ug/L
Trichloroethene	MW-23A	10/19/2011		18.00	1.00	ug/L
Trichloroethene	MW-23A	4/24/2012		14.00	1.00	ug/L
Trichloroethene	MW-23A	10/25/2012		13.00	1.00	ug/L
Trichloroethene	MW-23A	5/07/2013		10.00	1.00	ug/L
Trichloroethene	MW-23A	11/11/2013		13.00	1.00	ug/L
Trichloroethene	MW-23A	5/13/2014		10.00	1.00	ug/L
Trichloroethene	MW-23A	11/12/2014		13.00	1.00	ug/L
Trichloroethene	MW-23A	5/27/2015		13.00	1.00	ug/L
Trichloroethene	MW-23A	11/18/2015		15.00	1.00	ug/L
Trichloroethene	MW-23A	6/16/2016		8.10	1.00	ug/L
Trichloroethene	MW-23A	11/16/2016		10.00	1.00	ug/L
Trichloroethene	MW-23A	5/30/2017		6.70	1.00	ug/L
Trichloroethene	MW-23A	11/21/2017		8.80	1.00	ug/L
Trichloroethene	MW-23A	5/31/2018		3.70	1.00	ug/L
Trichloroethene	MW-23A	10/31/2018		6.50	1.00	ug/L
Trichloroethene	MW-23A	5/28/2019		3.40	1.00	ug/L
Trichloroethene	MW-23A	10/15/2019		5.30	1.00	ug/L
Trichloroethene	MW-23A	6/03/2020		4.38	1.00	ug/L
Trichloroethene	MW-23A	10/07/2020		5.06	1.00	ug/L
Trichloroethene	MW-23A	5/03/2021		4.49	1.00	ug/L
Trichloroethene	MW-23A	11/09/2021		6.41	1.00	ug/L
Trichloroethene	MW-23A	5/17/2022		6.19	1.00	ug/L
Trichloroethene	MW-23A	10/17/2022		7.01	1.00	ug/L
Trichloroethene	MW-23A	6/08/2023		3.88	1.00	ug/L
Trichloroethene	MW-23A	10/05/2023		5.05	1.00	ug/L
Trichloroethene	MW-23A	5/20/2024		2.85	1.00	ug/L
Trichloroethene	MW-23A	10/02/2024		4.07	1.00	ug/L
Trichloroethene	MW-23A	5/12/2025		3.02	1.00	ug/L
Trichloroethene	MW-23A	10/14/2025		2.69	1.00	ug/L
Trichloroethene	MW-23A	5/27/2026		2.62	1.00	ug/L
Benzene	MW-37A	5/30/2017		1.3	1.0	ug/L
Chloroethane	MW-37A	10/26/2009		3.00	1.00	ug/L
Chloroethane	MW-37A	11/23/2009		9.80	1.00	ug/L
Chloroethane	MW-37A	12/17/2009		2.90	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-37A	4/13/2010		7.90	1.00	ug/L
Chloroethane	MW-37A	5/18/2010		3.60	1.00	ug/L
Chloroethane	MW-37A	6/21/2010		5.20	1.00	ug/L
Chloroethane	MW-37A	7/09/2010		4.30	1.00	ug/L
Chloroethane	MW-37A	8/18/2010		4.00	1.00	ug/L
Chloroethane	MW-37A	10/18/2010		3.60	1.00	ug/L
Chloroethane	MW-37A	5/09/2011		4.40	1.00	ug/L
Chloroethane	MW-37A	10/19/2011		4.10	1.00	ug/L
Chloroethane	MW-37A	4/24/2012		6.40	1.00	ug/L
Chloroethane	MW-37A	10/25/2012		4.20	1.00	ug/L
Chloroethane	MW-37A	5/07/2013		5.10	1.00	ug/L
Chloroethane	MW-37A	11/11/2013		5.30	1.00	ug/L
Chloroethane	MW-37A	5/13/2014		3.60	1.00	ug/L
Chloroethane	MW-37A	5/27/2015		5.60	1.00	ug/L
Chloroethane	MW-37A	11/18/2015		5.00	1.00	ug/L
Chloroethane	MW-37A	6/16/2016		6.40	1.00	ug/L
Chloroethane	MW-37A	11/16/2016		5.30	1.00	ug/L
Chloroethane	MW-37A	5/30/2017		5.10	1.00	ug/L
Chloroethane	MW-37A	11/21/2017		2.70	1.00	ug/L
Chloroethane	MW-37A	5/31/2018		4.40	4.00	ug/L
Chloroethane	MW-37A	10/31/2018		5.20	5.00	ug/L
Chloroethane	MW-37A	6/03/2020		3.00	2.50	ug/L
Chloroethane	MW-37A	10/07/2020		4.12	2.50	ug/L
Chloroethane	MW-37A	5/03/2021		5.32	2.50	ug/L
Chloroethane	MW-37A	11/09/2021		7.70	2.50	ug/L
Chloroethane	MW-37A	5/17/2022		5.62	2.50	ug/L
Chloroethane	MW-37A	10/17/2022		7.07	2.50	ug/L
Chloroethane	MW-37A	6/08/2023		4.51	2.50	ug/L
Chloroethane	MW-37A	10/05/2023		4.02	2.50	ug/L
Chloroethane	MW-37A	5/20/2024		3.18	2.50	ug/L
Chloroethane	MW-37A	10/02/2024		2.63	2.50	ug/L
Chloroethane	MW-37A	5/12/2025		3.41	2.50	ug/L
Chloroethane	MW-37A	10/14/2025		2.84	2.50	ug/L
Chloroethane	MW-37A	5/27/2026		3.86	2.50	ug/L
Methylene chloride	MW-37A	5/31/2018		6.9	4.0	ug/L
Vinyl chloride	MW-37A	4/13/2010		1.8	1.0	ug/L
Vinyl chloride	MW-37A	5/18/2010		1.0	1.0	ug/L
Vinyl chloride	MW-37A	5/09/2011		2.5	1.0	ug/L
Vinyl chloride	MW-37A	4/24/2012		2.6	1.0	ug/L
Vinyl chloride	MW-37A	5/13/2014		1.3	1.0	ug/L
1,1-Dichloroethane	MW-38A	4/13/2010		3.50	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/18/2010		3.70	1.00	ug/L
1,1-Dichloroethane	MW-38A	6/21/2010		2.00	1.00	ug/L
1,1-Dichloroethane	MW-38A	7/09/2010		1.70	1.00	ug/L
1,1-Dichloroethane	MW-38A	8/18/2010		1.40	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/09/2011		3.40	1.00	ug/L
1,1-Dichloroethane	MW-38A	10/19/2011		1.20	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/07/2013		5.90	1.00	ug/L
1,1-Dichloroethane	MW-38A	11/11/2013		1.30	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/13/2014		1.50	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/27/2015		1.10	1.00	ug/L
1,1-Dichloroethane	MW-38A	11/18/2015		1.30	1.00	ug/L
1,1-Dichloroethane	MW-38A	11/21/2017		1.20	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/31/2018		1.50	1.00	ug/L
1,1-Dichloroethane	MW-38A	10/31/2018		1.80	1.00	ug/L
1,1-Dichloroethane	MW-38A	6/03/2020		2.26	1.00	ug/L
1,1-Dichloroethane	MW-38A	10/07/2020		1.80	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/03/2021		1.83	1.00	ug/L
1,1-Dichloroethane	MW-38A	11/09/2021		2.53	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/17/2022		2.32	1.00	ug/L
1,1-Dichloroethane	MW-38A	10/17/2022		2.42	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/22/2023		1.75	1.00	ug/L
1,1-Dichloroethane	MW-38A	10/23/2023		1.33	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/20/2024		1.16	1.00	ug/L
1,1-Dichloroethane	MW-38A	10/02/2024		1.61	1.00	ug/L
1,1-Dichloroethane	MW-38A	5/12/2025		1.82	1.00	ug/L
Chloroethane	MW-38A	4/13/2010		5.9	1.0	ug/L
Chloroethane	MW-38A	5/18/2010		1.5	1.0	ug/L
Chloroethane	MW-38A	4/24/2012		1.0	1.0	ug/L
Chloroethane	MW-38A	5/07/2013		2.9	1.0	ug/L
Chloroethane	MW-38A	11/18/2015		1.1	1.0	ug/L
cis-1,2-Dichloroethene	MW-38A	4/13/2010		2.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-38A	5/18/2010		3.40	1.00	ug/L
cis-1,2-Dichloroethene	MW-38A	6/21/2010		2.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-38A	7/09/2010		2.10	1.00	ug/L
cis-1,2-Dichloroethene	MW-38A	8/18/2010		1.50	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-38A	5/09/2011		3.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-38A	5/07/2013		2.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-38A	11/09/2021		1.05	1.00	ug/L
cis-1,2-Dichloroethene	MW-38A	5/12/2025		1.31	1.00	ug/L
Vinyl chloride	MW-38A	4/13/2010		2.3	1.0	ug/L
Vinyl chloride	MW-38A	5/18/2010		1.4	1.0	ug/L
Vinyl chloride	MW-38A	5/07/2013		1.8	1.0	ug/L
Toluene	MW-39A	5/27/2026		1.34	1.00	ug/L
Vinyl chloride	MW-39A	11/11/2013		1.1	1.0	ug/L
Vinyl chloride	MW-39A	5/13/2014		1.0	1.0	ug/L
Toluene	MW-41A	5/27/2026		1.49	1.00	ug/L
Acetone	Stormwater	7/05/2018		12	10	ug/L
Acetone	Stormwater Pond	4/22/2010		45	5	ug/L
Acrolein	Stormwater Pond	4/22/2010		39	20	ug/L
Methyl Ethyl Ketone	Stormwater Pond	4/22/2010		25	5	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

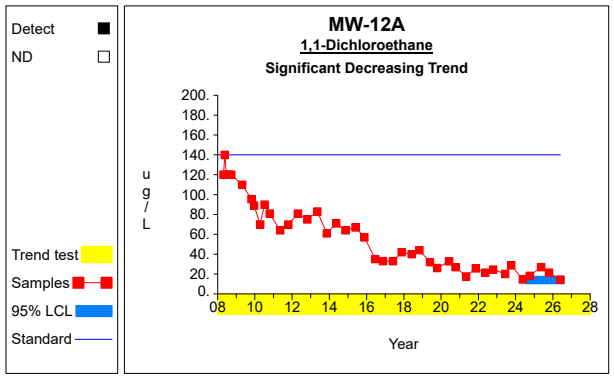
Table 1

Confidence Intervals for Comparing the Mean of the Last 4 Measurements to an Assessment Monitoring Standard

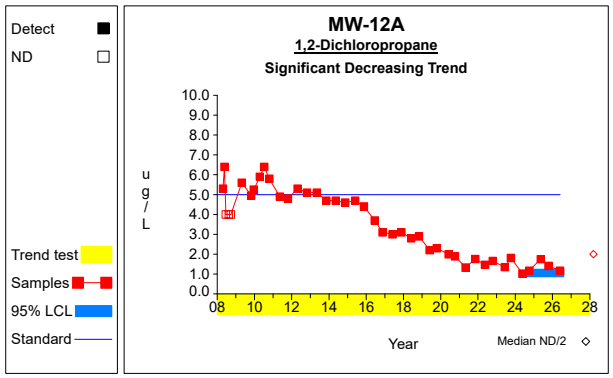
Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
1,1-Dichloroethane	ug/L	MW-12A	4	20.250	5.333	1.176	13.977	26.523	140.000	dec	
1,2-Dichloropropane	ug/L	MW-12A	4	1.375	0.274	1.176	1.052	1.698	5.000	dec	
Acetone	ug/L	MW-12A	4	5.000	0.000	1.176	5.000	5.000	6300.000		
Benzene	ug/L	MW-12A	4	1.468	0.223	1.176	1.205	1.730	5.000		
Chloroethane	ug/L	MW-12A	4	10.942	2.148	1.176	8.416	13.469	2800.000	dec	
cis-1,2-Dichloroethene	ug/L	MW-12A	4	22.850	7.810	1.176	13.664	32.036	70.000	dec	
trans-1,2-Dichloroethene	ug/L	MW-12A	4	2.923	0.786	1.176	1.998	3.847	100.000	dec	
Trichloroethene	ug/L	MW-12A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-12A	4	18.450	5.631	1.176	11.826	25.074	2.000	dec	**
1,1-Dichloroethane	ug/L	MW-23A	4	0.500	0.000	1.176	0.500	0.500	140.000		
1,2-Dichloropropane	ug/L	MW-23A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Acetone	ug/L	MW-23A	4	13.950	17.900	1.176	0.000	35.006	6300.000		
Benzene	ug/L	MW-23A	4	0.663	0.325	1.176	0.280	1.045	5.000		
Chloroethane	ug/L	MW-23A	4	0.500	0.000	1.176	0.500	0.500	2800.000		
cis-1,2-Dichloroethene	ug/L	MW-23A	4	1.238	0.673	1.176	0.446	2.029	70.000	dec	
trans-1,2-Dichloroethene	ug/L	MW-23A	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethene	ug/L	MW-23A	4	3.100	0.670	1.176	2.312	3.888	5.000	dec	
Vinyl chloride	ug/L	MW-23A	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,1-Dichloroethane	ug/L	MW-37A	4	0.500	0.000	1.176	0.500	0.500	140.000		
1,2-Dichloropropane	ug/L	MW-37A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Acetone	ug/L	MW-37A	4	5.000	0.000	1.176	5.000	5.000	6300.000		
Benzene	ug/L	MW-37A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Chloroethane	ug/L	MW-37A	4	3.185	0.558	1.176	2.529	3.841	2800.000		
cis-1,2-Dichloroethene	ug/L	MW-37A	4	0.500	0.000	1.176	0.500	0.500	70.000		
trans-1,2-Dichloroethene	ug/L	MW-37A	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethene	ug/L	MW-37A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-37A	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,1-Dichloroethane	ug/L	MW-38A	4	1.108	0.707	1.176	0.276	1.939	140.000		
1,2-Dichloropropane	ug/L	MW-38A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Acetone	ug/L	MW-38A	4	5.000	0.000	1.176	5.000	5.000	6300.000		
Benzene	ug/L	MW-38A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Chloroethane	ug/L	MW-38A	4	0.500	0.000	1.176	0.500	0.500	2800.000		
cis-1,2-Dichloroethene	ug/L	MW-38A	4	0.703	0.405	1.176	0.226	1.179	70.000		
trans-1,2-Dichloroethene	ug/L	MW-38A	4	0.500	0.000	1.176	0.500	0.500	100.000		
Trichloroethene	ug/L	MW-38A	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl chloride	ug/L	MW-38A	4	0.500	0.000	1.176	0.500	0.500	2.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

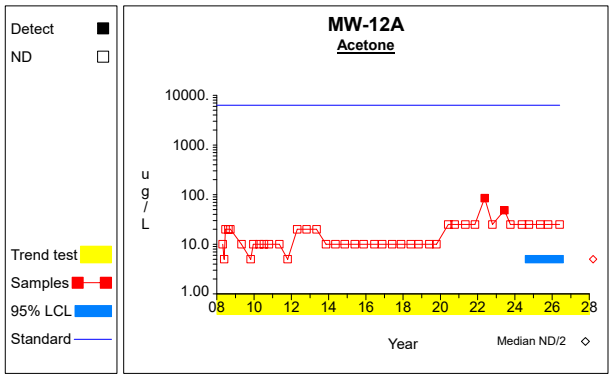
Confidence Limits (Assessment)



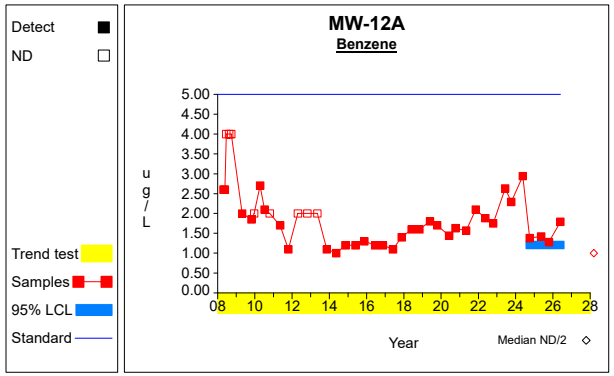
Graph 1



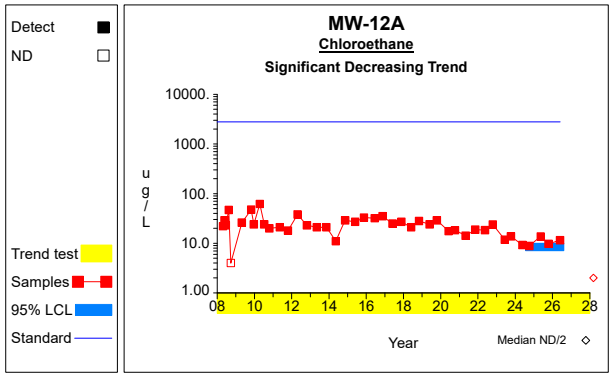
Graph 2



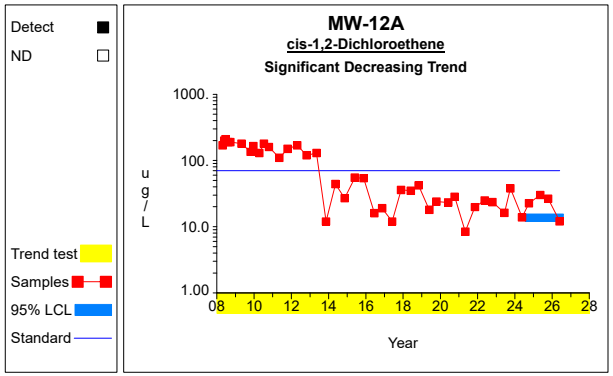
Graph 3



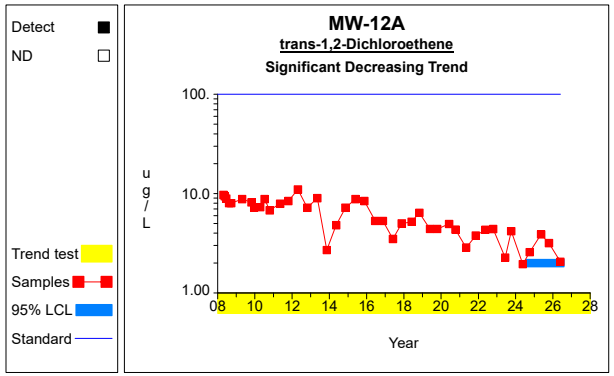
Graph 4



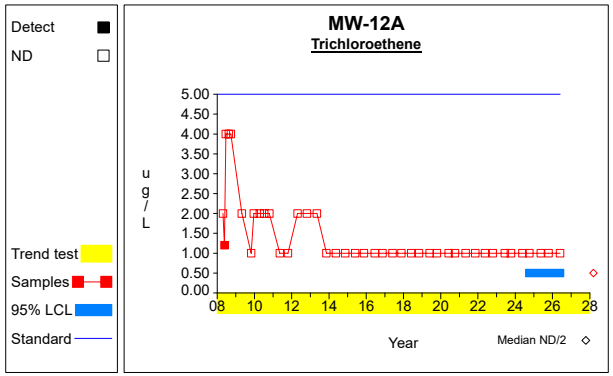
Graph 5



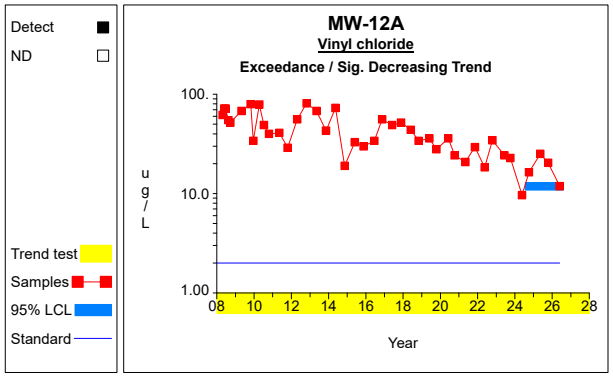
Graph 6



Graph 7



Graph 8



Graph 9

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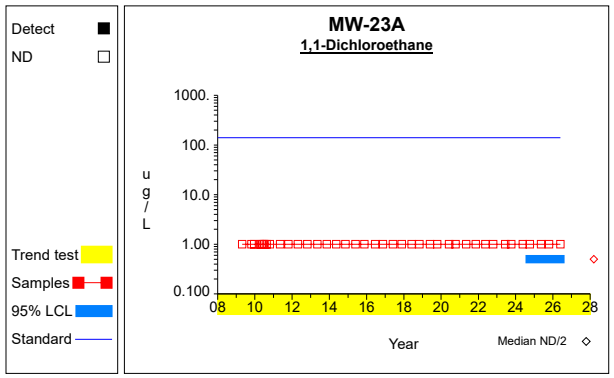
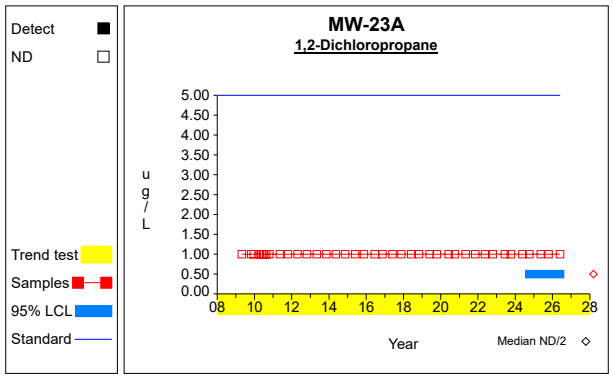
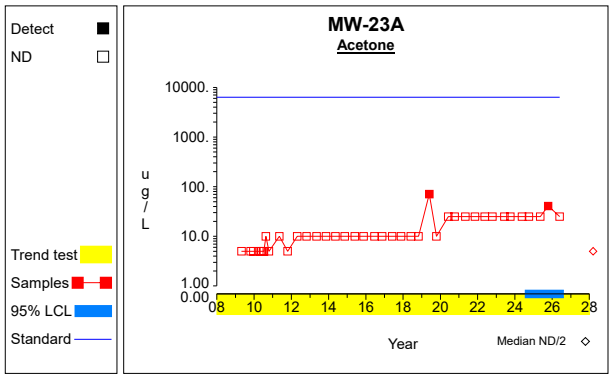
Confidence Limits (Assessment)



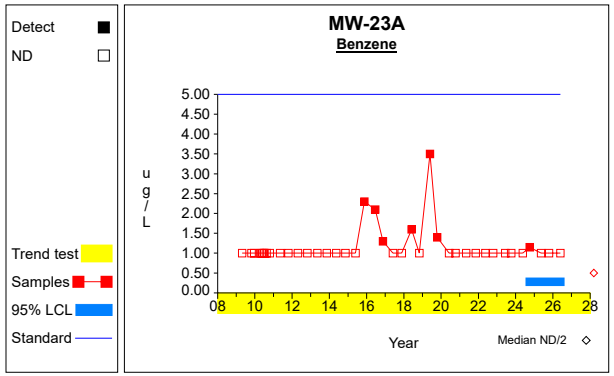
Graph 10



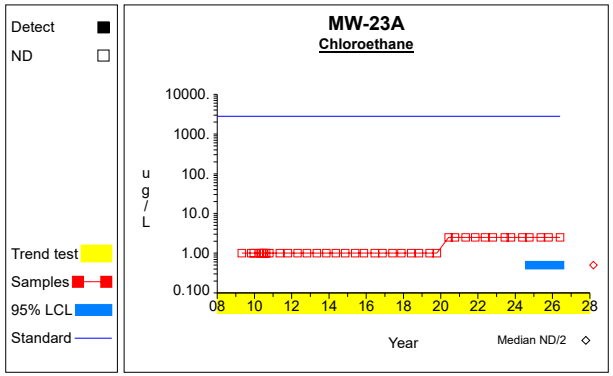
Graph 11



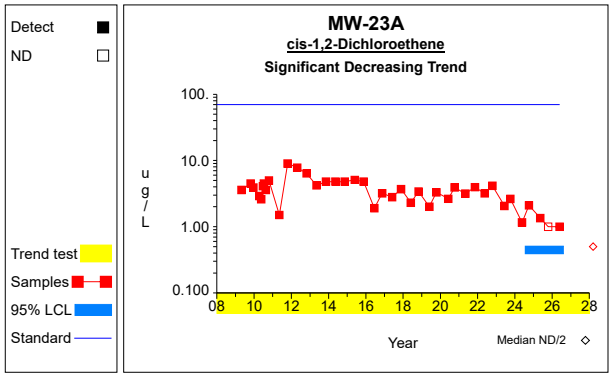
Graph 12



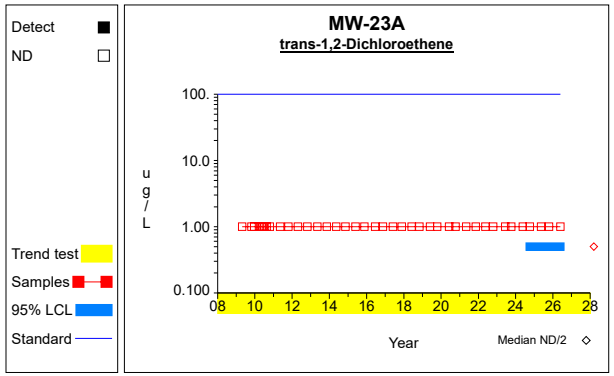
Graph 13



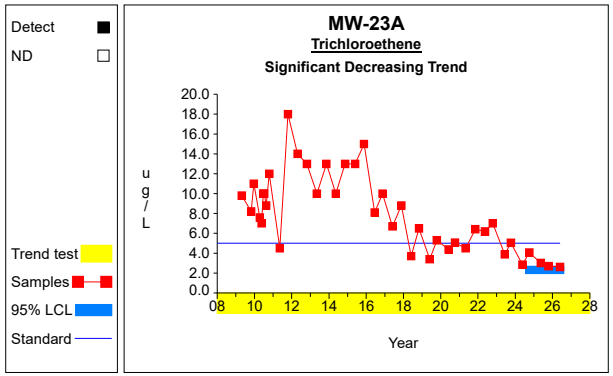
Graph 14



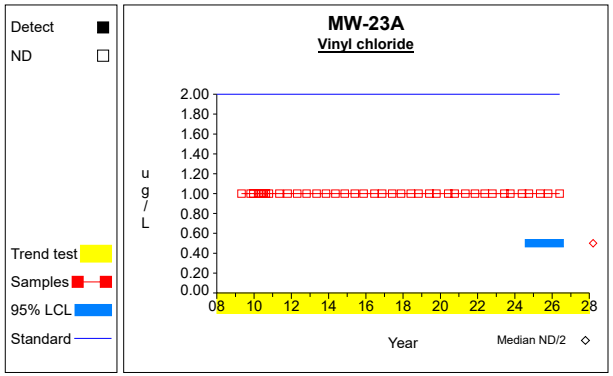
Graph 15



Graph 16



Graph 17



Graph 18

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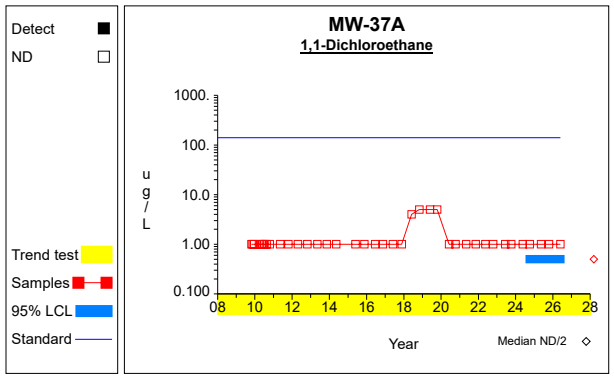
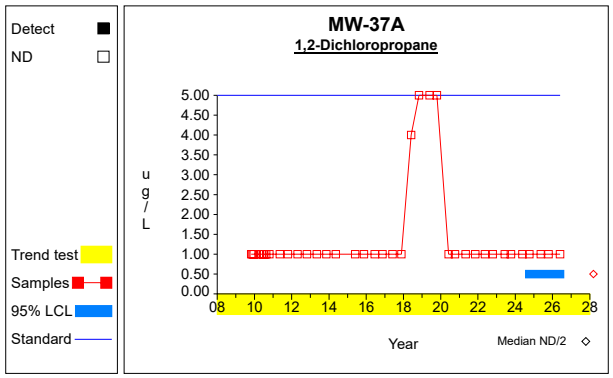
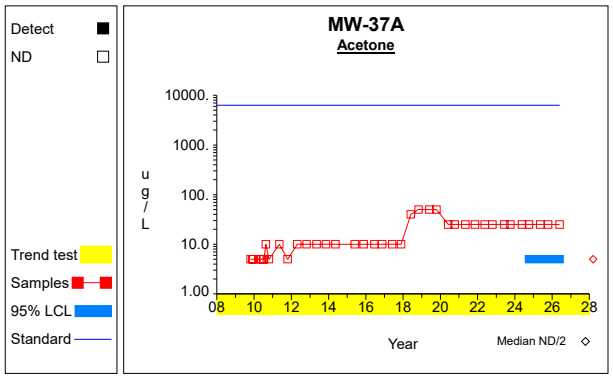
Confidence Limits (Assessment)



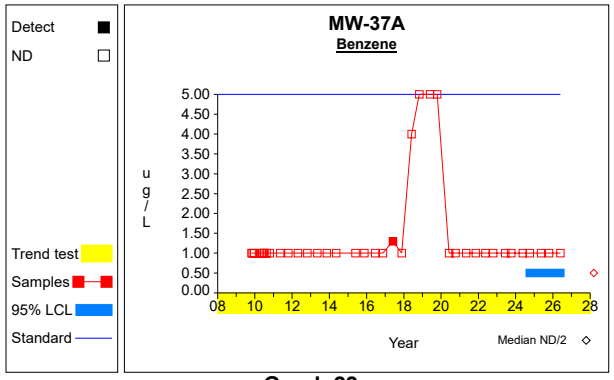
Graph 19



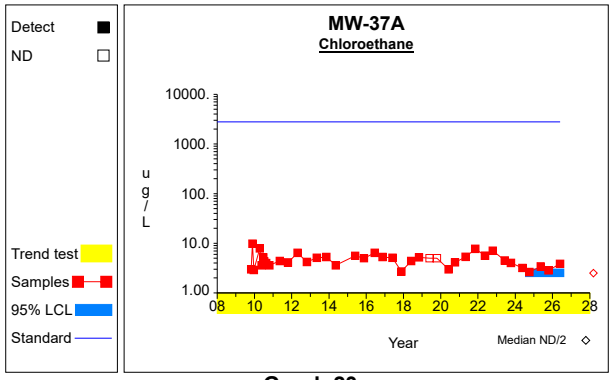
Graph 20



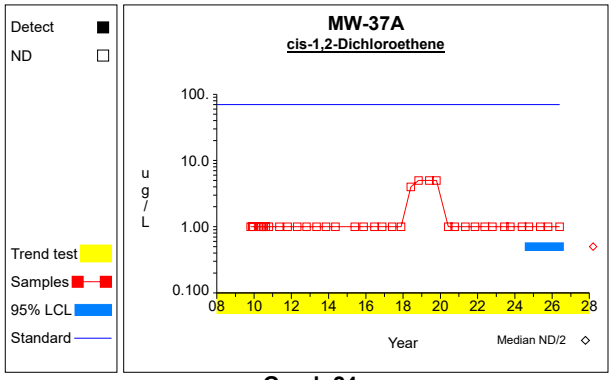
Graph 21



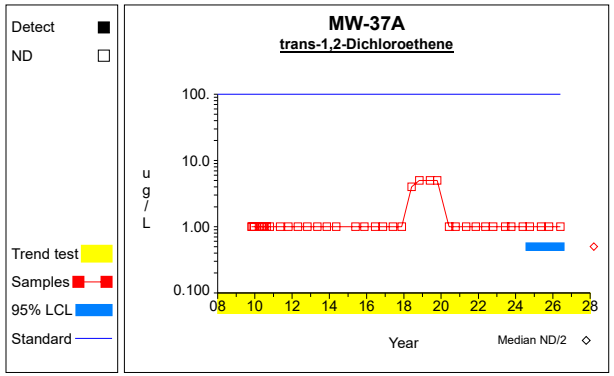
Graph 22



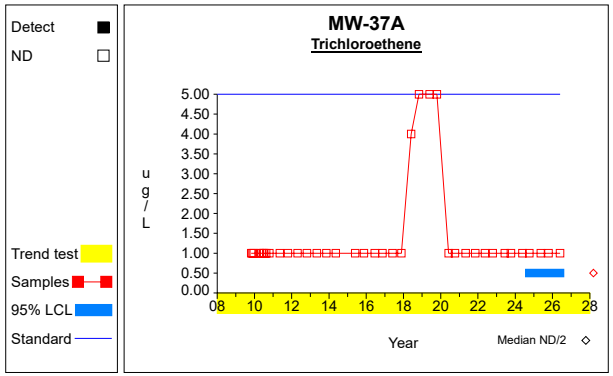
Graph 23



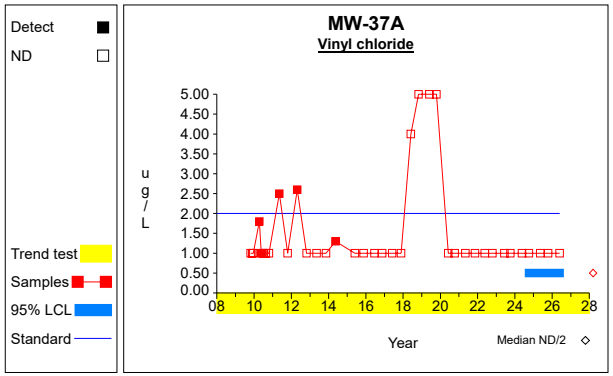
Graph 24



Graph 25



Graph 26



Graph 27

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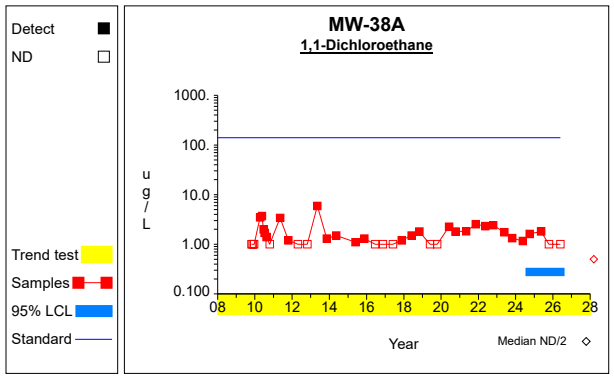
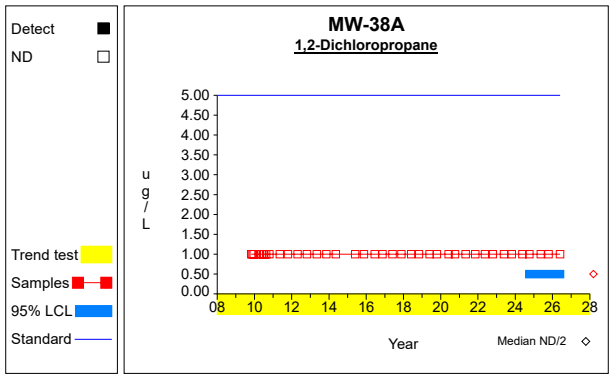
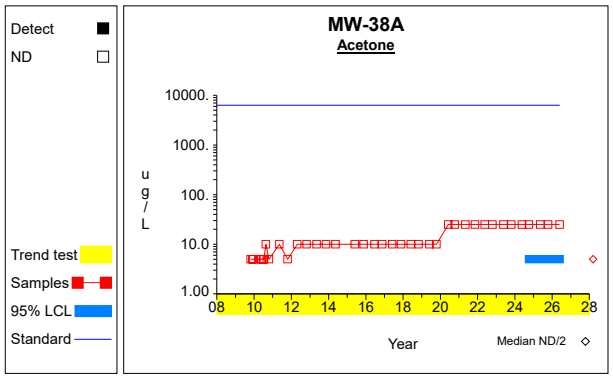
Confidence Limits (Assessment)



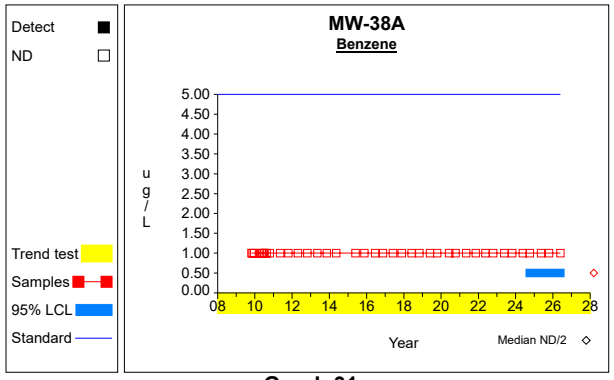
Graph 28



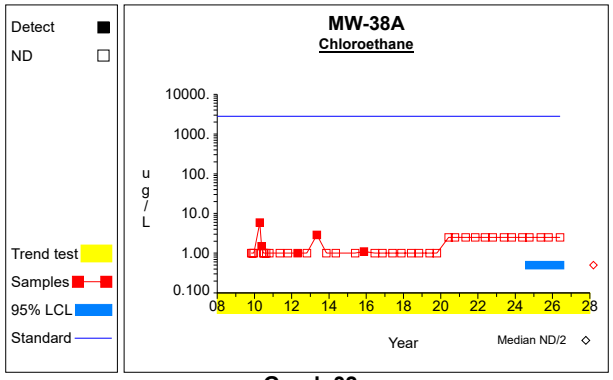
Graph 29



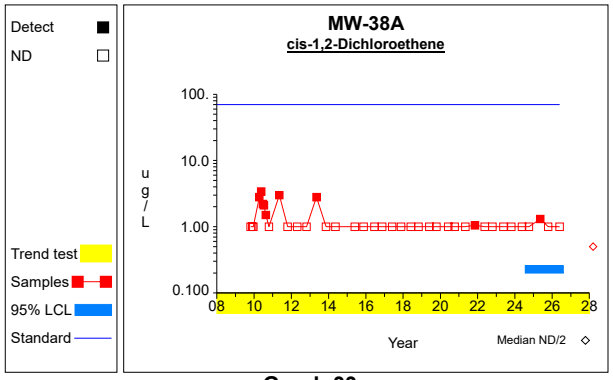
Graph 30



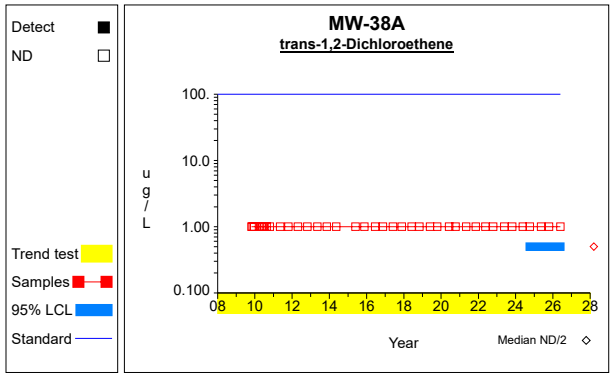
Graph 31



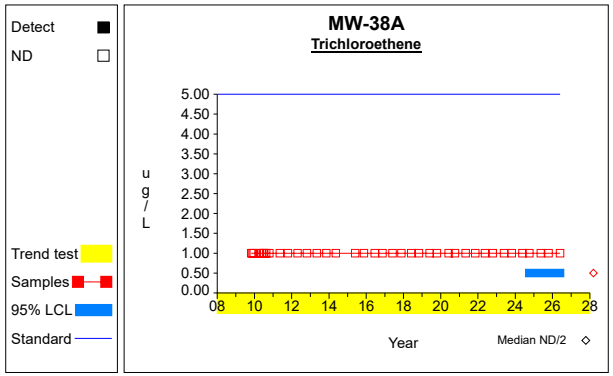
Graph 32



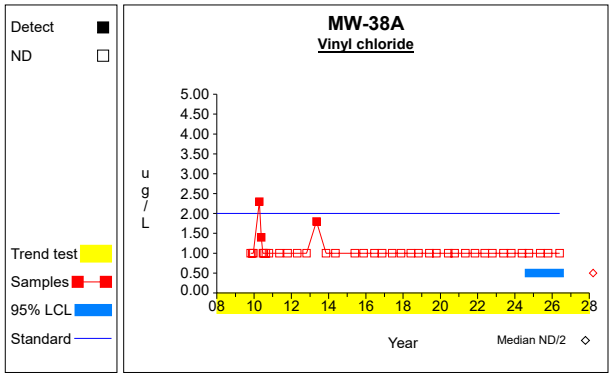
Graph 33



Graph 34



Graph 35



Graph 36

Prepared by: Otter Creek Environmental

Worksheet 6 - Assessment Monitoring
1,1-Dichloroethane (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **81.0** / **4** = **20.25**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1725.56** - **6561.0**/**4**) / (**4**-1))^{½} = **5.333**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **20.25** - **2.353** * **5.333**/**4**^{½} = **13.977**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **20.25** + **2.353** * **5.333**/**4**^{½} = **26.523**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **-5.596**	Sen's estimator of trend.
7	var(S) = **8500.667**	Variance estimate for slope.
8	M(S) = (**N**' ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8500.667**^{½}) / 2 = [**311.748**, **549.252**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-6.768**, **-4.498**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
1,2-Dichloropropane (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5.5** / **4** = **1.375**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**7.788** - **30.25**/**4**) / (**4**-1))^{½} = **0.274**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1.375** - **2.353** * **0.274**/**4**^{½} = **1.052**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1.375** + **2.353** * **0.274**/**4**^{½} = **1.698**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **-0.28**	Sen's estimator of trend.
7	var(S) = **8502.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8502.0**^{½}) / 2 = [**311.738**, **549.262**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.329**, **-0.227**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
Acetone (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **1147.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **1147.667**^{½}) / 2 = [**386.866**, **474.134**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Benzene (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **5.87** / **4** = **1.468**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**8.763** - **34.457**/**4**) / (**4**-1))^{½} = **0.223**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1.468** - **2.353** * **0.223**/**4**^{½} = **1.205**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1.468** + **2.353** * **0.223**/**4**^{½} = **1.73**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.03**	Sen's estimator of trend.
7	var(S) = **8406.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8406.0**^{½}) / 2 = [**312.411**, **548.589**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.062**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Chloroethane (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **43.77** / **4** = **10.943**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**492.795** - **1915.813**/**4**) / (**4**-1))^{½} = **2.148**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **10.943** - **2.353** * **2.148**/**4**^{½} = **8.416**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **10.943** + **2.353** * **2.148**/**4**^{½} = **13.469**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **-0.871**	Sen's estimator of trend.
7	var(S) = **8496.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8496.333**^{½}) / 2 = [**311.778**, **549.222**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-1.819**, **-0.295**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
cis-1,2-Dichloroethene (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **91.4** / **4** = **22.85**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**2271.46** - **8353.96**/**4**) / (**4**-1))^{½} = **7.81**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **22.85** - **2.353** * **7.81**/**4**^{½} = **13.664**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **22.85** + **2.353** * **7.81**/**4**^{½} = **32.036**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **-10.065**	Sen's estimator of trend.
7	var(S) = **8509.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8509.333**^{½}) / 2 = [**311.687**, **549.313**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-13.053**, **-5.691**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
trans-1,2-Dichloroethene (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **11.69** / **4** = **2.923**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**36.015** - **136.656**/**4**) / (**4**-1))^{½} = **0.786**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **2.923** - **2.353** * **0.786**/**4**^{½} = **1.998**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **2.923** + **2.353** * **0.786**/**4**^{½} = **3.847**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **-0.357**	Sen's estimator of trend.
7	var(S) = **8505.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8505.667**^{½}) / 2 = [**311.713**, **549.287**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.447**, **-0.281**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
Trichloroethene (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **587.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **587.667**^{½}) / 2 = [**399.277**, **461.723**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Vinyl chloride (ug/L) at MW-12A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **73.8** / **4** = **18.45**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1456.74** - **5446.44**/**4**) / (**4**-1))^{½} = **5.631**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **18.45** - **2.353** * **5.631**/**4**^{½} = **11.826**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **18.45** + **2.353** * **5.631**/**4**^{½} = **25.074**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **42** * (**42**-1) / 2 = **861**	Number of sample pairs during trend detection period.
6	S = **-2.692**	Sen's estimator of trend.
7	var(S) = **8503.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**861** ± **2.576** * **8503.667**^{½}) / 2 = [**311.727**, **549.273**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-3.855**, **-1.69**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
1,1-Dichloroethane (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **0.0**^{½}) / 2 = [**390.0**, **390.0**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
1,2-Dichloropropane (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **0.0**^{½}) / 2 = [**390.0**, **390.0**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Acetone (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **55.8** / **4** = **13.95**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1739.64** - **3113.64**/**4**) / (**4**-1))^{½} = **17.9**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **13.95** - **2.353** * **17.9**/**4**^{½} = **0.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **13.95** + **2.353** * **17.9**/**4**^{½} = **35.006**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **1039.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **1039.667**^{½}) / 2 = [**348.47**, **431.53**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Benzene (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.65** / **4** = **0.663**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**2.073** - **7.023**/**4**) / (**4**-1))^{½} = **0.325**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.663** - **2.353** * **0.325**/**4**^{½} = **0.28**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.663** + **2.353** * **0.325**/**4**^{½} = **1.045**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **3201.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **3201.333**^{½}) / 2 = [**317.125**, **462.875**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Chloroethane (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **0.0**^{½}) / 2 = [**390.0**, **390.0**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
cis-1,2-Dichloroethene (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **4.95** / **4** = **1.238**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**7.483** - **24.503**/**4**) / (**4**-1))^{½} = **0.673**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1.238** - **2.353** * **0.673**/**4**^{½} = **0.446**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1.238** + **2.353** * **0.673**/**4**^{½} = **2.029**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **-0.157**	Sen's estimator of trend.
7	var(S) = **7356.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **7356.0**^{½}) / 2 = [**279.532**, **500.468**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.282**, **-0.049**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
trans-1,2-Dichloroethene (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **0.0**^{½}) / 2 = [**390.0**, **390.0**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Trichloroethene (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **12.4** / **4** = **3.1**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**39.786** - **153.76**/**4**) / (**4**-1))^{½} = **0.67**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **3.1** - **2.353** * **0.67**/**4**^{½} = **2.312**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **3.1** + **2.353** * **0.67**/**4**^{½} = **3.888**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **-0.466**	Sen's estimator of trend.
7	var(S) = **7340.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **7340.333**^{½}) / 2 = [**279.65**, **500.35**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.723**, **-0.269**]	Two-sided confidence interval for slope.
10	UCL(S) < 0	**Significant decreasing trend.**

Worksheet 6 - Assessment Monitoring
Vinyl chloride (ug/L) at MW-23A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **40** * (**40**-1) / 2 = **780**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**780** ± **2.576** * **0.0**^{½}) / 2 = [**390.0**, **390.0**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
1,1-Dichloroethane (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
1,2-Dichloropropane (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Acetone (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Benzene (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **506.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **506.667**^{½}) / 2 = [**341.508**, **399.492**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Chloroethane (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **12.74** / **4** = **3.185**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**41.51** - **162.308**/**4**) / (**4**-1))^{½} = **0.558**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **3.185** - **2.353** * **0.558**/**4**^{½} = **2.529**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **3.185** + **2.353** * **0.558**/**4**^{½} = **3.841**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **-0.04**	Sen's estimator of trend.
7	var(S) = **6823.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6823.0**^{½}) / 2 = [**264.109**, **476.891**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.18**, **0.091**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
cis-1,2-Dichloroethene (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
trans-1,2-Dichloroethene (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Trichloroethene (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Vinyl chloride (ug/L) at MW-37A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **2283.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **2283.333**^{½}) / 2 = [**308.954**, **432.046**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the M^{th} largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
1,1-Dichloroethane (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **4.43** / **4** = **1.108**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**6.405** - **19.625**/**4**) / (**4**-1))^{½} = **0.707**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **1.108** - **2.353** * **0.707**/**4**^{½} = **0.276**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **1.108** + **2.353** * **0.707**/**4**^{½} = **1.939**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **6561.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **6561.0**^{½}) / 2 = [**266.172**, **474.828**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**-0.067**, **0.079**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
1,2-Dichloropropane (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Acetone (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **20.0** / **4** = **5.0**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**100.0** - **400.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **5.0** - **2.353** * **0.0**/**4**^{½} = **5.0**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **5.0** + **2.353** * **0.0**/**4**^{½} = **5.0**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Benzene (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Chloroethane (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **2283.333**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **2283.333**^{½}) / 2 = [**308.954**, **432.046**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
cis-1,2-Dichloroethene (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.81** / **4** = **0.703**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**2.466** - **7.896**/**4**) / (**4**-1))^{½} = **0.405**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.703** - **2.353** * **0.405**/**4**^{½} = **0.226**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.703** + **2.353** * **0.405**/**4**^{½} = **1.179**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **3691.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **3691.0**^{½}) / 2 = [**292.249**, **448.751**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
trans-1,2-Dichloroethene (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))$^{1/2}$ = ((**1.0** - **4.0**/**4**) / (**4**-1))$^{1/2}$ = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**$^{1/2}$ = **0.5** - **2.353** * **0.0**/**4**$^{1/2}$ = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**$^{1/2}$ = **0.5** + **2.353** * **0.0**/**4**$^{1/2}$ = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**$^{1/2}$) / 2 = (**741** ± **2.576** * **0.0**$^{1/2}$) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Trichloroethene (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))^{½} = ((**1.0** - **4.0**/**4**) / (**4**-1))^{½} = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**^{½} = **0.5** - **2.353** * **0.0**/**4**^{½} = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**^{½} = **0.5** + **2.353** * **0.0**/**4**^{½} = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **0.0**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**^{½}) / 2 = (**741** ± **2.576** * **0.0**^{½}) / 2 = [**370.5**, **370.5**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Worksheet 6 - Assessment Monitoring
Vinyl chloride (ug/L) at MW-38A

Step	Equation	Description
1	$\overline{X}$ = **sum[X]** / **N** = **2.0** / **4** = **0.5**	Compute the mean of the last 4 measurements.
2	S = ((**sum[X^2]** - **sum[X]**^{2}/**N**) / (**N**-1))$^{1/2}$ = ((**1.0** - **4.0**/**4**) / (**4**-1))$^{1/2}$ = **0.0**	Compute sd of the last 4 measurements.
3	LCL = $\overline{\mathbf{X}}$ - **tS**/**N**$^{1/2}$ = **0.5** - **2.353** * **0.0**/**4**$^{1/2}$ = **0.5**	Compute lower confidence limit for the mean of the last 4 measurements.
4	UCL = $\overline{\mathbf{X}}$ + **tS**/**N**$^{1/2}$ = **0.5** + **2.353** * **0.0**/**4**$^{1/2}$ = **0.5**	Compute upper confidence limit for the mean of the last 4 measurements.
5	N' = **N** * (**N**-1) / 2 = **39** * (**39**-1) / 2 = **741**	Number of sample pairs during trend detection period.
6	S = **0.0**	Sen's estimator of trend.
7	var(S) = **1443.667**	Variance estimate for slope.
8	M(S) = (**N'** ± **Z**$_{.995}$ * **var(S)**$^{1/2}$) / 2 = (**741** ± **2.576** * **1443.667**$^{1/2}$) / 2 = [**321.562**, **419.438**]	Ordinal positions for two-sided lower confidence limits for slope. The LCL and UCL are the Mth largest slope estimates for the values shown. When the values are not integers, interpolation is used.
9	CL(S) = [**0.0**, **0.0**]	Two-sided confidence interval for slope.
10	the interval includes 0	There is no significant trend.

Attachment C – Spring 2026 Leachate Laboratory Analytical Report (Pace National)

ANALYTICAL REPORT

June 16, 2026

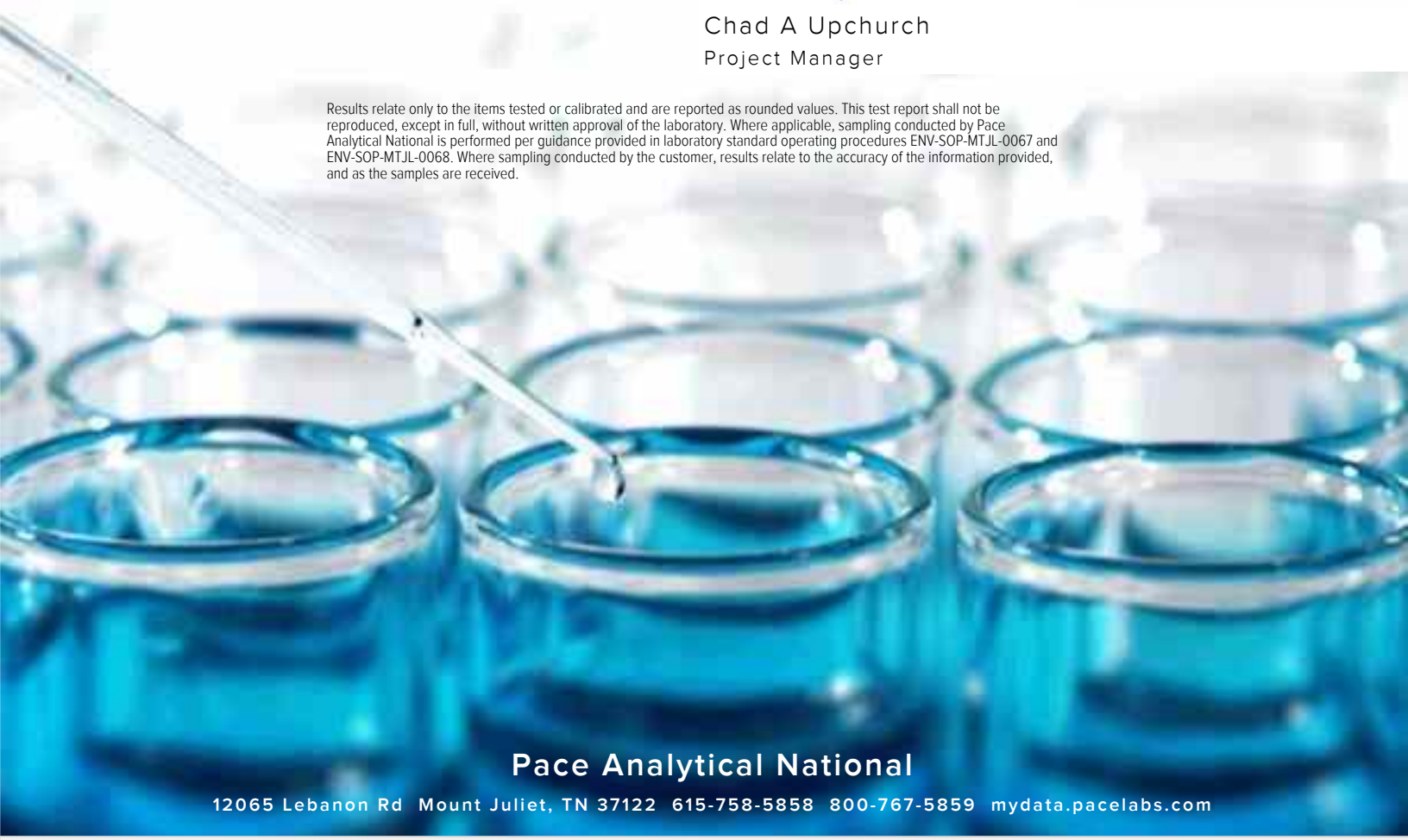
Dickinson Landfill

Sample Delivery Group:	L1978642
Samples Received:	05/28/2026
Project Number:	500
Description:	Leach Concurrent w/SA GW Detect (6)
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

LEACHATE (NEW POND) L1978642-01

Collected by: Jeff Noffman
Collected date/time: 05/27/26 12:00
Received date/time: 05/28/26 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763016	1	05/28/26 18:44	05/28/26 18:47	PNG	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2764549	1	06/01/26 08:10	06/01/26 08:10	BDP	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2763148	50	05/29/26 01:03	05/29/26 01:03	RTW	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2763047	20	05/28/26 15:10	05/31/26 11:15	KMB	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2764293	2	05/30/26 18:00	05/30/26 22:02	ARV	Mt. Juliet, TN
Wet Chemistry by Method 420.4	WG2765883	1	06/02/26 16:16	06/03/26 12:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 5210 B-2016	WG2762738	1	05/28/26 15:35	06/02/26 10:21	NAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2763050	50	05/29/26 04:42	05/29/26 04:42	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2763694	1	05/31/26 10:45	06/01/26 18:28	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763665	1	06/03/26 09:46	06/03/26 16:54	NMM	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763665	5	06/03/26 09:46	06/03/26 23:03	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2771473	5	06/10/26 12:42	06/11/26 19:57	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2768976	1	06/06/26 13:21	06/06/26 13:21	ADM	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

The laboratory analysis was performed from an unpreserved, insufficiently or inadequately preserved sample.

Batch	Method	Lab Sample ID
WG2763047	351.2	L1978642-01
WG2763148	350.1	L1978642-01
WG2764293	410.4	L1978642-01
WG2765883	420.4	L1978642-01

Wet Chemistry by Method 5210 B-2016

The blank depletion was greater than the recommended maximum depletion of 0.2mg/L.

Batch	Lab Sample ID
WG2762738	L1978642-01

Wet Chemistry by Method 9056A

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2763050	(DUP) R4380149-3	Sulfate
WG2763050	(MS) R4380149-5	Sulfate
WG2763050	(MSD) R4380149-6	Sulfate
WG2763050	(DUP) R4380149-7	Sulfate
WG2763050	(MS) R4380149-8	Sulfate
WG2763050	(MSD) R4380149-9	Sulfate

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2763050	(MS) R4380149-5, (MS) R4380149-8, (MSD) R4380149-6, (MSD) R4380149-9	Sulfate

Metals (ICP) by Method 6010C

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2763665	(MS) R4382436-4, (MSD) R4382436-5	Calcium, Iron and Magnesium

Volatile Organic Compounds (GC/MS) by Method 8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2768976	L1978642-01	1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK) and Trichlorofluoromethane

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2768976	(MSD) R4384220-5	Vinyl acetate

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.56	su
Specific Conductance (on site)	11659	umhos/cm
Temperature (on-site)	23.6	Deg. C
Turbidity (on-site)	36.1	NTU
Dissolved Oxygen (on-site)	3.81	mg/l
eH/ORP (On Site)	12.7	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	82.0		3.50	1	05/28/2026 18:47	WG2763016

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity,Bicarbonate	3300		20.0	1	06/01/2026 08:10	WG2764549
Alkalinity,Carbonate	240		20.0	1	06/01/2026 08:10	WG2764549

Sample Narrative:

L1978642-01 WG2764549: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	206		1.58	50	05/29/2026 01:03	WG2763148

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	299		0.700	20	05/31/2026 11:15	WG2763047

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	1040		10.0	2	05/30/2026 22:02	WG2764293

Wet Chemistry by Method 420.4

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Total Phenol by 4AAP	ND		0.0400	1	06/03/2026 12:29	WG2765883

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
CBOD	56.2	B1	10.0	1	06/02/2026 10:21	WG2762738

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1560		2.60	50	05/29/2026 04:42	WG2763050
Sulfate	508		5.00	50	05/29/2026 04:42	WG2763050

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.000200	1	06/01/2026 18:28	WG2763694

Metals (ICP) by Method 6010C

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0970		0.0100	1	06/03/2026 16:54	WG2763665
Barium	0.759		0.0200	1	06/03/2026 16:54	WG2763665
Beryllium	ND		0.00400	1	06/03/2026 16:54	WG2763665
Cadmium	ND		0.00500	1	06/03/2026 16:54	WG2763665
Calcium	71.7		1.00	1	06/03/2026 16:54	WG2763665
Chromium	0.0776		0.0100	1	06/03/2026 16:54	WG2763665
Copper	ND		0.0100	1	06/03/2026 16:54	WG2763665
Iron	2.61		0.100	1	06/03/2026 16:54	WG2763665
Lead	ND		0.0100	1	06/03/2026 16:54	WG2763665
Magnesium	160		1.00	1	06/03/2026 16:54	WG2763665
Nickel	0.304		0.0100	1	06/03/2026 16:54	WG2763665
Potassium	379		1.00	1	06/03/2026 16:54	WG2763665
Silver	ND		0.0100	1	06/03/2026 16:54	WG2763665
Sodium	2130		1.00	5	06/03/2026 23:03	WG2763665
Vanadium	0.0783		0.0200	1	06/03/2026 16:54	WG2763665
Zinc	ND		0.0500	1	06/03/2026 16:54	WG2763665

Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Cobalt	0.0371		0.00210	5	06/11/2026 19:57	WG2771473
Antimony	ND		0.00600	5	06/11/2026 19:57	WG2771473
Selenium	ND		0.0100	5	06/11/2026 19:57	WG2771473
Thallium	ND		0.00200	5	06/11/2026 19:57	WG2771473

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,1,1-Trichloroethane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,1,2-Trichloroethane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,1-Dichloroethane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,1-Dichloroethene	ND		1.00	1	06/06/2026 13:21	WG2768976
1,2,3-Trichloropropane	ND		2.50	1	06/06/2026 13:21	WG2768976
1,2-Dibromo-3-Chloropropane	ND	C3	2.50	1	06/06/2026 13:21	WG2768976
1,2-Dibromoethane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,2-Dichlorobenzene	ND		1.00	1	06/06/2026 13:21	WG2768976
1,2-Dichloroethane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,2-Dichloropropane	ND		1.00	1	06/06/2026 13:21	WG2768976
1,4-Dichlorobenzene	ND		1.00	1	06/06/2026 13:21	WG2768976
2-Butanone (MEK)	ND	C3	10.0	1	06/06/2026 13:21	WG2768976
2-Hexanone	ND		5.00	1	06/06/2026 13:21	WG2768976
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/06/2026 13:21	WG2768976
Acetone	ND		25.0	1	06/06/2026 13:21	WG2768976
Acrylonitrile	ND		5.00	1	06/06/2026 13:21	WG2768976
Benzene	ND		1.00	1	06/06/2026 13:21	WG2768976
Bromochloromethane	ND		1.00	1	06/06/2026 13:21	WG2768976
Bromodichloromethane	ND		1.00	1	06/06/2026 13:21	WG2768976
Bromoform	ND		1.00	1	06/06/2026 13:21	WG2768976

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Bromomethane	ND		2.50	1	06/06/2026 13:21	WG2768976
Carbon disulfide	ND		1.00	1	06/06/2026 13:21	WG2768976
Carbon tetrachloride	ND		1.00	1	06/06/2026 13:21	WG2768976
Chlorobenzene	ND		1.00	1	06/06/2026 13:21	WG2768976
Chloroethane	ND		2.50	1	06/06/2026 13:21	WG2768976
Chloroform	ND		1.00	1	06/06/2026 13:21	WG2768976
Chloromethane	ND		1.25	1	06/06/2026 13:21	WG2768976
Dibromochloromethane	ND		1.00	1	06/06/2026 13:21	WG2768976
Dibromomethane	ND		1.00	1	06/06/2026 13:21	WG2768976
Ethylbenzene	ND		1.00	1	06/06/2026 13:21	WG2768976
Iodomethane	ND		5.00	1	06/06/2026 13:21	WG2768976
Methylene Chloride	ND		2.50	1	06/06/2026 13:21	WG2768976
Styrene	ND		1.00	1	06/06/2026 13:21	WG2768976
Tetrachloroethene	ND		1.00	1	06/06/2026 13:21	WG2768976
Toluene	ND		1.00	1	06/06/2026 13:21	WG2768976
Trichloroethene	ND		1.00	1	06/06/2026 13:21	WG2768976
Trichlorofluoromethane	ND	C3	2.50	1	06/06/2026 13:21	WG2768976
Vinyl acetate	ND		5.00	1	06/06/2026 13:21	WG2768976
Vinyl chloride	ND		1.00	1	06/06/2026 13:21	WG2768976
Xylenes, Total	ND		3.00	1	06/06/2026 13:21	WG2768976
cis-1,2-Dichloroethene	ND		1.00	1	06/06/2026 13:21	WG2768976
cis-1,3-Dichloropropene	ND		1.00	1	06/06/2026 13:21	WG2768976
trans-1,2-Dichloroethene	ND		1.00	1	06/06/2026 13:21	WG2768976
trans-1,3-Dichloropropene	ND		1.00	1	06/06/2026 13:21	WG2768976
trans-1,4-Dichloro-2-butene	ND		5.00	1	06/06/2026 13:21	WG2768976
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*	*06/06/2026 13:21*	WG2768976
(S) Toluene-d8	*94.5*			*80.0-120*	*06/06/2026 13:21*	WG2768976
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*	*06/06/2026 13:21*	WG2768976

Method Blank (MB)

(MB) R4380317-1 05/28/26 18:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1978603-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978603-01 05/28/26 18:47 • (DUP) R4380317-3 05/28/26 18:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	1090	1110	1	1.73		10

L1978616-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978616-01 05/28/26 18:47 • (DUP) R4380317-4 05/28/26 18:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	109	105	1	3.12		10

Laboratory Control Sample (LCS)

(LCS) R4380317-2 05/28/26 18:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	854	110	85.0-115	

Method Blank (MB)

(MB) R4381021-2 06/01/26 07:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1978895-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978895-01 06/01/26 08:14 • (DUP) R4381021-3 06/01/26 08:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	676	664	1	1.76		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1979277-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1979277-01 06/01/26 08:59 • (DUP) R4381021-4 06/01/26 09:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity,Bicarbonate	156	158	1	1.58		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R4380055-1 05/28/26 23:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1978563-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978563-01 05/29/26 00:01 • (DUP) R4380055-3 05/29/26 00:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		10

L1978817-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1978817-02 05/29/26 00:36 • (DUP) R4380055-6 05/29/26 00:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	2.60		10

Laboratory Control Sample (LCS)

(LCS) R4380055-2 05/28/26 23:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.40	98.6	90.0-110	

L1978563-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978563-01 05/29/26 00:01 • (MS) R4380055-4 05/29/26 00:04 • (MSD) R4380055-5 05/29/26 00:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.85	4.74	97.0	94.8	1	90.0-110			2.34	10

L1978817-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1978817-02 05/29/26 00:36 • (MS) R4380055-7 05/29/26 00:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.76	93.7	1	90.0-110	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4380766-1 05/31/26 10:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Kjeldahl Nitrogen, TKN	0.109	J	0.0350	0.250

Laboratory Control Sample (LCS)

(LCS) R4380766-2 05/31/26 11:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	12.1	13.1	108	90.0-110	

L1978563-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978563-01 05/31/26 11:09 • (MS) R4380766-3 05/31/26 11:11 • (MSD) R4380766-4 05/31/26 11:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	5.00	ND	5.44	5.34	109	107	1	90.0-110			1.80	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

QUALITY CONTROL SUMMARY

L1978642-01

Method Blank (MB)

(MB) R4380701-1 05/30/26 21:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
COD	3.87	J	3.00	10.0

Laboratory Control Sample (LCS)

(LCS) R4380701-2 05/30/26 21:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
COD	500	522	104	90.0-110	

L1978470-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978470-01 05/30/26 21:56 • (MS) R4380701-3 05/30/26 21:57 • (MSD) R4380701-4 05/30/26 21:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
COD	500	17.2	516	518	99.8	100	1	90.0-110			0.358	20

L1978472-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978472-01 05/30/26 21:57 • (MS) R4380701-5 05/30/26 21:57 • (MSD) R4380701-6 05/30/26 21:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
COD	500	10.7	508	507	102	101	1	90.0-110			0.181	20

Method Blank (MB)

(MB) R4382248-1 06/03/26 12:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Total Phenol by 4AAP	ND		0.00830	0.0400

Laboratory Control Sample (LCS)

(LCS) R4382248-2 06/03/26 12:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Phenol by 4AAP	1.00	0.992	99.2	90.0-110	

L1979025-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979025-02 06/03/26 12:32 • (MS) R4382248-3 06/03/26 12:36 • (MSD) R4382248-4 06/03/26 12:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Total Phenol by 4AAP	1.00	ND	0.988	1.03	98.8	103	1	90.0-110			4.26	20

L1979291-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979291-02 06/03/26 13:34 • (MS) R4382248-5 06/03/26 13:37 • (MSD) R4382248-6 06/03/26 13:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Total Phenol by 4AAP	1.00	ND	0.982	0.989	98.2	98.9	1	90.0-110			0.710	20

Method Blank (MB)

(MB) R4381642-3 06/02/26 09:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
CBOD	0.250	B1	0.200	0.200

L1978293-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1978293-02 06/02/26 09:56 • (DUP) R4381642-4 06/02/26 09:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
CBOD	ND	ND	1	0	K1	30

Laboratory Control Sample (LCS)

(LCS) R4381642-2 06/02/26 08:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
CBOD	198	200	101	84.6-115	

Laboratory Control Sample (LCS)

(LCS) R4381642-5 06/02/26 10:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
CBOD	198	209	106	84.6-115	

Method Blank (MB)

(MB) R4380149-1 05/28/26 20:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.253	J	0.0519	1.00
Sulfate	0.387	J	0.0774	5.00

L1976692-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1976692-04 05/28/26 22:27 • (DUP) R4380149-3 05/28/26 23:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14.2	14.1	1	0.732		15
Sulfate	2100	2070	1	1.41	E	15

L1976692-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1976692-04 05/28/26 23:00 • (DUP) R4380149-4 05/28/26 23:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	1790	1880	20	5.21		15

L1976703-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1976703-01 05/29/26 01:01 • (DUP) R4380149-7 05/29/26 01:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	35.6	35.4	1	0.511		15
Sulfate	201	199	1	1.14	E	15

L1976703-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1976703-01 05/29/26 15:20 • (DUP) R4380823-1 05/29/26 15:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	191	187	5	1.86		15

Laboratory Control Sample (LCS)

(LCS) R4380149-2 05/28/26 20:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.9	97.3	80.0-120	
Sulfate	40.0	39.2	98.0	80.0-120	

L1976692-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1976692-04 05/28/26 22:27 • (MS) R4380149-5 05/28/26 23:33 • (MSD) R4380149-6 05/28/26 23:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	14.2	53.8	52.3	99.0	95.3	1	80.0-120			2.75	15
Sulfate	40.0	2100	1670	1620	0.000	0.000	1	80.0-120	E V	E V	3.37	15

L1976703-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1976703-01 05/29/26 01:01 • (MS) R4380149-8 05/29/26 01:24 • (MSD) R4380149-9 05/29/26 01:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	35.6	69.4	69.7	84.4	85.2	1	80.0-120			0.463	15
Sulfate	40.0	201	196	196	0.000	0.000	1	80.0-120	E V	E V	0.0459	15

Method Blank (MB)

(MB) R4381256-1 06/01/26 17:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	ND		0.0000490	0.000200

Laboratory Control Sample (LCS)

(LCS) R4381256-6 06/01/26 19:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00358	119	80.0-120	

L1978698-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978698-01 06/01/26 17:44 • (MS) R4381256-4 06/01/26 17:50 • (MSD) R4381256-5 06/01/26 17:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00352	0.00370	117	123	1	75.0-125			4.92	20

Method Blank (MB)

(MB) R4382436-1 06/03/26 15:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Cadmium	ND		0.000700	0.00200
Calcium	ND		0.0463	1.00
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Iron	ND		0.0141	0.100
Lead	ND		0.00190	0.00500
Magnesium	ND		0.0111	1.00
Nickel	ND		0.00490	0.0100
Potassium	ND		0.102	1.00
Silver	ND		0.00280	0.00500
Sodium	0.0261	J	0.0111	1.00
Vanadium	ND		0.00240	0.0200
Zinc	ND		0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4382436-2 06/03/26 15:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1.00	0.899	89.9	80.0-120	
Barium	1.00	0.976	97.6	80.0-120	
Beryllium	1.00	0.945	94.5	80.0-120	
Cadmium	1.00	0.905	90.5	80.0-120	
Calcium	10.0	9.65	96.5	80.0-120	
Chromium	1.00	0.908	90.8	80.0-120	
Copper	1.00	0.960	96.0	80.0-120	
Iron	10.0	9.54	95.4	80.0-120	
Lead	1.00	0.888	88.8	80.0-120	
Magnesium	10.0	9.59	95.9	80.0-120	
Nickel	1.00	0.880	88.0	80.0-120	
Potassium	10.0	9.19	91.9	80.0-120	
Silver	0.200	0.191	95.4	80.0-120	
Sodium	10.0	9.46	94.6	80.0-120	
Vanadium	1.00	0.932	93.2	80.0-120	
Zinc	1.00	0.927	92.7	80.0-120	

L1978466-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978466-06 06/03/26 15:36 • (MS) R4382436-4 06/03/26 15:42 • (MSD) R4382436-5 06/03/26 15:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1.00	0.107	1.08	1.10	97.4	99.0	1	75.0-125			1.46	20
Barium	1.00	0.499	1.46	1.47	96.4	97.5	1	75.0-125			0.757	20
Beryllium	1.00	ND	0.969	0.970	96.8	96.9	1	75.0-125			0.0810	20
Cadmium	1.00	ND	0.967	0.984	96.7	98.4	1	75.0-125			1.72	20
Calcium	10.0	288	283	285	0.000	0.000	1	75.0-125	V	V	0.474	20
Chromium	1.00	0.0211	0.995	1.03	97.4	101	1	75.0-125			3.52	20
Copper	1.00	0.0422	1.05	1.08	101	104	1	75.0-125			2.75	20
Iron	10.0	72.1	77.5	75.9	54.3	38.1	1	75.0-125	V	V	2.11	20
Lead	1.00	0.0280	0.948	0.967	92.0	93.9	1	75.0-125			1.91	20
Magnesium	10.0	79.5	85.1	86.0	55.8	65.2	1	75.0-125	V	V	1.10	20
Nickel	1.00	0.0310	0.949	0.969	91.8	93.8	1	75.0-125			2.08	20
Potassium	10.0	10.8	19.7	19.5	89.8	87.6	1	75.0-125			1.11	20
Silver	0.200	ND	0.207	0.213	104	107	1	75.0-125			2.91	20
Sodium	10.0	48.5	56.3	56.7	77.7	81.3	1	75.0-125			0.632	20
Vanadium	1.00	0.0431	0.989	0.998	94.6	95.5	1	75.0-125			0.958	20
Zinc	1.00	0.105	1.03	1.05	92.8	95.0	1	75.0-125			2.02	20

Method Blank (MB)

(MB) R4386249-1 06/11/26 17:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	ND		0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4386249-2 06/11/26 17:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0506	101	80.0-120	
Antimony	0.0500	0.0474	94.8	80.0-120	
Selenium	0.0500	0.0483	96.6	80.0-120	
Thallium	0.0500	0.0455	91.0	80.0-120	

L1979488-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979488-08 06/11/26 19:47 • (MS) R4386249-7 06/11/26 19:52 • (MSD) R4386249-8 06/11/26 19:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	0.0135	0.0640	0.0618	101	96.7	10	75.0-125			3.39	20
Antimony	0.0500	ND	0.0535	0.0513	107	103	10	75.0-125			4.08	20
Selenium	0.0500	ND	0.0515	0.0505	103	101	10	75.0-125			2.12	20
Thallium	0.0500	ND	0.0476	0.0477	95.2	95.3	10	75.0-125			0.0684	20

Method Blank (MB)

(MB) R4384220-3 06/06/26 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.147	0.500
1,1,1-Trichloroethane	ND		0.149	0.500
1,1,2,2-Tetrachloroethane	ND		0.133	0.500
1,1,2-Trichloroethane	ND		0.158	0.500
1,1-Dichloroethane	ND		0.100	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,2,3-Trichloropropane	ND		0.237	2.50
1,2-Dibromo-3-Chloropropane	ND		0.276	2.50
1,2-Dibromoethane	ND		0.126	0.500
1,2-Dichlorobenzene	ND		0.107	0.500
1,2-Dichloroethane	ND		0.0819	0.500
1,2-Dichloropropane	ND		0.149	0.500
1,4-Dichlorobenzene	ND		0.120	0.500
2-Butanone (MEK)	ND		1.19	5.00
2-Hexanone	ND		0.787	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.478	5.00
Acetone	ND		11.3	25.0
Acrylonitrile	ND		0.671	5.00
Benzene	ND		0.0941	0.500
Bromochloromethane	ND		0.128	0.500
Bromodichloromethane	ND		0.136	0.500
Bromoform	ND		0.129	0.500
Bromomethane	ND		0.605	2.50
Carbon disulfide	ND		0.0962	0.500
Carbon tetrachloride	ND		0.128	0.500
Chlorobenzene	ND		0.117	0.500
Chloroethane	ND		0.192	2.50
Chloroform	ND		0.111	0.500
Chloromethane	ND		0.960	1.25
Dibromochloromethane	ND		0.140	0.500
Dibromomethane	ND		0.122	0.500
Ethylbenzene	ND		0.137	0.500
Iodomethane	ND		0.554	5.00
Methylene Chloride	ND		0.430	2.50
Styrene	ND		0.118	0.500
Tetrachloroethene	ND		0.300	0.500
Toluene	ND		0.278	0.500
Trichloroethene	ND		0.190	0.500
Trichlorofluoromethane	ND		0.160	2.50
Vinyl acetate	ND		0.692	5.00

Method Blank (MB)

(MB) R4384220-3 06/06/26 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.234	0.500
Xylenes, Total	ND		0.174	1.50
cis-1,2-Dichloroethene	ND		0.126	0.500
cis-1,3-Dichloropropene	ND		0.111	0.500
trans-1,2-Dichloroethene	ND		0.149	0.500
trans-1,3-Dichloropropene	ND		0.118	0.500
trans-1,4-Dichloro-2-butene	ND		0.467	5.00
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*
(S) Toluene-d8	*96.7*			*80.0-120*
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4384220-1 06/06/26 09:17 • (LCSD) R4384220-2 06/06/26 09:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	10.0	9.32	9.95	93.2	99.5	75.0-125			6.54	20
1,1,1-Trichloroethane	10.0	8.89	8.89	88.9	88.9	73.0-124			0.000	20
1,1,2,2-Tetrachloroethane	10.0	10.4	10.6	104	106	65.0-130			1.90	20
1,1,2-Trichloroethane	10.0	9.04	9.57	90.4	95.7	80.0-120			5.70	20
1,1-Dichloroethane	10.0	9.44	9.63	94.4	96.3	70.0-126			1.99	20
1,1-Dichloroethene	10.0	9.63	9.76	96.3	97.6	71.0-124			1.34	20
1,2,3-Trichloropropane	10.0	8.72	8.78	87.2	87.8	73.0-130			0.686	20
1,2-Dibromo-3-Chloropropane	10.0	7.75	8.23	77.5	82.3	58.0-134			6.01	20
1,2-Dibromoethane	10.0	8.70	9.04	87.0	90.4	80.0-122			3.83	20
1,2-Dichlorobenzene	10.0	9.53	9.97	95.3	99.7	79.0-121			4.51	20
1,2-Dichloroethane	10.0	8.99	9.13	89.9	91.3	70.0-128			1.55	20
1,2-Dichloropropane	10.0	10.6	10.9	106	109	77.0-125			2.79	20
1,4-Dichlorobenzene	10.0	9.12	9.76	91.2	97.6	79.0-120			6.78	20
2-Butanone (MEK)	50.0	38.6	39.1	77.2	78.2	44.0-160			1.29	20
2-Hexanone	50.0	42.9	46.6	85.8	93.2	67.0-149			8.27	20
4-Methyl-2-pentanone (MIBK)	50.0	50.5	54.0	101	108	68.0-142			6.70	20
Acetone	50.0	54.1	55.4	108	111	19.0-160			2.37	27
Acrylonitrile	50.0	48.0	48.4	96.0	96.8	55.0-149			0.830	20
Benzene	10.0	9.69	10.1	96.9	101	70.0-123			4.14	20
Bromochloromethane	10.0	9.16	8.85	91.6	88.5	76.0-122			3.44	20
Bromodichloromethane	10.0	9.01	9.20	90.1	92.0	75.0-120			2.09	20
Bromoform	10.0	8.15	8.47	81.5	84.7	68.0-132			3.85	20
Bromomethane	10.0	10.9	10.9	109	109	10.0-160			0.000	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4384220-1 06/06/26 09:17 • (LCSD) R4384220-2 06/06/26 09:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	10.0	9.84	9.99	98.4	99.9	61.0-128			1.51	20
Carbon tetrachloride	10.0	8.76	8.90	87.6	89.0	68.0-126			1.59	20
Chlorobenzene	10.0	8.95	9.36	89.5	93.6	80.0-121			4.48	20
Chloroethane	10.0	9.37	9.17	93.7	91.7	47.0-150			2.16	20
Chloroform	10.0	9.02	9.18	90.2	91.8	73.0-120			1.76	20
Chloromethane	10.0	9.25	9.40	92.5	94.0	41.0-142			1.61	20
Dibromochloromethane	10.0	8.79	9.44	87.9	94.4	77.0-125			7.13	20
Dibromomethane	10.0	9.03	9.11	90.3	91.1	80.0-120			0.882	20
Ethylbenzene	10.0	9.32	9.75	93.2	97.5	79.0-123			4.51	20
Iodomethane	50.0	43.4	44.5	86.8	89.0	33.0-147			2.50	26
Methylene Chloride	10.0	9.97	10.3	99.7	103	67.0-120			3.26	20
Styrene	10.0	9.14	9.61	91.4	96.1	73.0-130			5.01	20
Tetrachloroethene	10.0	9.21	9.61	92.1	96.1	72.0-132			4.25	20
Toluene	10.0	9.22	9.74	92.2	97.4	79.0-120			5.49	20
Trichloroethene	10.0	9.43	9.54	94.3	95.4	78.0-124			1.16	20
Trichlorofluoromethane	10.0	7.98	8.02	79.8	80.2	59.0-147			0.500	20
Vinyl acetate	50.0	65.4	67.2	131	134	11.0-160			2.71	20
Vinyl chloride	10.0	9.48	9.69	94.8	96.9	67.0-131			2.19	20
Xylenes, Total	30.0	27.4	28.8	91.3	96.0	79.0-123			4.98	20
cis-1,2-Dichloroethene	10.0	9.04	9.03	90.4	90.3	73.0-120			0.111	20
cis-1,3-Dichloropropene	10.0	10.0	9.98	100	99.8	80.0-123			0.200	20
trans-1,2-Dichloroethene	10.0	9.83	9.90	98.3	99.0	73.0-120			0.710	20
trans-1,3-Dichloropropene	10.0	9.38	9.80	93.8	98.0	78.0-124			4.38	20
trans-1,4-Dichloro-2-butene	10.0	11.3	9.64	113	96.4	33.0-144			15.9	20
(S) 4-Bromofluorobenzene				*92.4*	*92.4*	*77.0-126*				
(S) Toluene-d8				*97.0*	*98.6*	*80.0-120*				
(S) 1,2-Dichloroethane-d4				*90.3*	*85.4*	*70.0-130*				

L1979397-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979397-09 06/06/26 17:45 • (MS) R4384220-4 06/06/26 19:45 • (MSD) R4384220-5 06/06/26 20:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	10.0	ND	9.54	10.5	95.4	105	1	36.0-151			9.58	29
1,1,1-Trichloroethane	10.0	ND	8.22	8.55	82.2	85.5	1	23.0-160			3.94	28
1,1,2,2-Tetrachloroethane	10.0	ND	11.4	12.3	114	123	1	33.0-150			7.59	28
1,1,2-Trichloroethane	10.0	ND	9.32	9.81	93.2	98.1	1	35.0-147			5.12	27
1,1-Dichloroethane	10.0	ND	9.00	9.47	90.0	94.7	1	25.0-158			5.09	27
1,1-Dichloroethene	10.0	ND	8.29	8.52	73.2	75.5	1	11.0-160			2.74	29

L1979397-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979397-09 06/06/26 17:45 • (MS) R4384220-4 06/06/26 19:45 • (MSD) R4384220-5 06/06/26 20:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,3-Trichloropropane	10.0	ND	9.21	10.1	92.1	101	1	34.0-151			9.22	29
1,2-Dibromo-3-Chloropropane	10.0	ND	8.30	8.89	83.0	88.9	1	22.0-151			6.86	34
1,2-Dibromoethane	10.0	ND	8.30	9.05	83.0	90.5	1	34.0-147			8.65	27
1,2-Dichlorobenzene	10.0	ND	9.77	10.3	97.7	103	1	34.0-149			5.28	28
1,2-Dichloroethane	10.0	ND	9.16	9.86	91.6	98.6	1	29.0-151			7.36	27
1,2-Dichloropropane	10.0	ND	10.6	11.0	106	110	1	30.0-156			3.70	27
1,4-Dichlorobenzene	10.0	ND	9.33	9.63	93.3	96.3	1	35.0-142			3.16	27
2-Butanone (MEK)	50.0	ND	43.5	51.8	87.0	104	1	10.0-160			17.4	32
2-Hexanone	50.0	ND	48.6	51.6	97.2	103	1	21.0-160			5.99	29
4-Methyl-2-pentanone (MIBK)	50.0	ND	58.8	62.6	118	125	1	29.0-160			6.26	29
Acetone	50.0	ND	50.2	58.5	100	117	1	10.0-160			15.3	35
Acrylonitrile	50.0	ND	50.3	54.7	101	109	1	21.0-160			8.38	32
Benzene	10.0	ND	8.84	9.41	88.4	94.1	1	17.0-158			6.25	27
Bromochloromethane	10.0	ND	8.51	9.22	85.1	92.2	1	38.0-142			8.01	26
Bromodichloromethane	10.0	ND	9.38	9.62	93.8	96.2	1	31.0-150			2.53	27
Bromoform	10.0	ND	7.94	8.93	79.4	89.3	1	29.0-150			11.7	29
Bromomethane	10.0	ND	7.24	7.87	72.4	78.7	1	10.0-160			8.34	38
Carbon disulfide	10.0	ND	5.74	5.87	57.4	58.7	1	10.0-156			2.24	28
Carbon tetrachloride	10.0	ND	7.92	8.19	79.2	81.9	1	23.0-159			3.35	28
Chlorobenzene	10.0	ND	8.89	9.23	88.9	92.3	1	33.0-152			3.75	27
Chloroethane	10.0	ND	6.05	4.73	60.5	47.3	1	10.0-160			24.5	30
Chloroform	10.0	ND	8.47	9.09	84.7	90.9	1	29.0-154			7.06	28
Chloromethane	10.0	ND	7.10	7.18	71.0	71.8	1	10.0-160			1.12	29
Dibromochloromethane	10.0	ND	8.67	9.42	86.7	94.2	1	37.0-149			8.29	27
Dibromomethane	10.0	ND	8.91	9.44	89.1	94.4	1	30.0-151			5.78	27
Ethylbenzene	10.0	ND	8.97	9.20	89.7	92.0	1	30.0-155			2.53	27
Iodomethane	50.0	ND	32.0	34.7	64.0	69.4	1	10.0-160			8.10	40
Methylene Chloride	10.0	ND	9.18	9.74	91.8	97.4	1	23.0-144			5.92	28
Styrene	10.0	ND	9.21	9.57	92.1	95.7	1	33.0-155			3.83	28
Tetrachloroethene	10.0	ND	7.81	8.29	78.1	82.9	1	10.0-160			5.96	27
Toluene	10.0	ND	8.61	9.05	86.1	90.5	1	26.0-154			4.98	28
Trichloroethene	10.0	ND	8.73	8.99	80.7	83.3	1	10.0-160			2.93	25
Trichlorofluoromethane	10.0	ND	6.52	6.96	65.2	69.6	1	17.0-160			6.53	31
Vinyl acetate	50.0	ND	77.9	83.6	156	167	1	12.0-160		J5	7.06	31
Vinyl chloride	10.0	ND	7.18	7.54	71.8	75.4	1	10.0-160			4.89	27
Xylenes, Total	30.0	ND	27.0	27.6	90.0	92.0	1	29.0-154			2.20	28
cis-1,2-Dichloroethene	10.0	ND	9.35	9.81	85.4	90.0	1	10.0-160			4.80	27
cis-1,3-Dichloropropene	10.0	ND	9.39	10.0	93.9	100	1	34.0-149			6.29	28
trans-1,2-Dichloroethene	10.0	ND	8.20	8.27	82.0	82.7	1	17.0-153			0.850	27
trans-1,3-Dichloropropene	10.0	ND	8.83	9.69	88.3	96.9	1	32.0-149			9.29	28

L1979397-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1979397-09 06/06/26 17:45 • (MS) R4384220-4 06/06/26 19:45 • (MSD) R4384220-5 06/06/26 20:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,4-Dichloro-2-butene	10.0	ND	9.46	12.2	94.6	122	1	10.0-157			25.3	37
(S) 4-Bromofluorobenzene					*94.3*	*91.0*		*77.0-126*				
(S) Toluene-d8					*99.2*	*98.7*		*80.0-120*				
(S) 1,2-Dichloroethane-d4					*93.0*	*91.1*		*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B1	The blank depletion was greater than the recommended maximum depletion of 0.2mg/L.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
K1	The sample dilutions set-up for the BOD/CBOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Reported result is an estimated value.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
Leach Concurrent w/SA GW Detect (6)

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
500

Lab Project #
WMDICIA-00002

Collected by (print):
Jeff Hoffman

Site/Facility ID #
IA01

P.O. #

Collected by (signature):

Immediately Packed on Ice N___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1076642

F009

Acctnum: **WMDICIA**
Template: **T167669**
Prelogin: **P1215739**
PM: **3564 - Chad A Upchurch**
PB: 04/16/26GB
Shipped Via: **FedEx Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	ALK,Cl,S 250mlHDPE-NoPres	CBODLL 500mlHDPE-NoPres	COD, TKN 250mlHDPE-H2SO4	Metals 250mlHDPE-HNO3	NH3 250mlHDPENaThioH2SO4	PHT 250mlAmb-H2SO4	TSS 1L-HDPE NoPres	V8260LLC 40mlAmb-HCl			Remarks	Sample # (lab only)
LEACHATE (NEW POND)	Grab	GW		5-27-26	12:00	10		X	X	X	X	X	X	X	X				01

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7922 9765 1668

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5-27-26	1400			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				#1A84,8U,F-HCl0	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/28/26 Time: 900	Hold: Condition: NCF / OK

PH – 10BDH07251
TRC – 5090A93

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: Dickinson LF

Sample I.D.: Leachate Pond

Laboratory Use Only / Lab I.D.: L1978642

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: X (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other: whale)

Sample Type: [ ] Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
05/27/2024	1200	8.56	11659	23.6	36.1	3.8	12.7

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Chemical Color: brown Other:

Sheen Present (Y) or N Foam Present: (Y) or N Floating Solids: (Y) or N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: L+V Precipitation: Y or (N)

Specific Comments:

Date	Name	Signature	Company
5/27/24	JH		MWH
/ /			

Attachment D – MW-41A 2026 Background Monitoring Laboratory Analytical Reports (Pace National)

ANALYTICAL REPORT

February 04, 2026

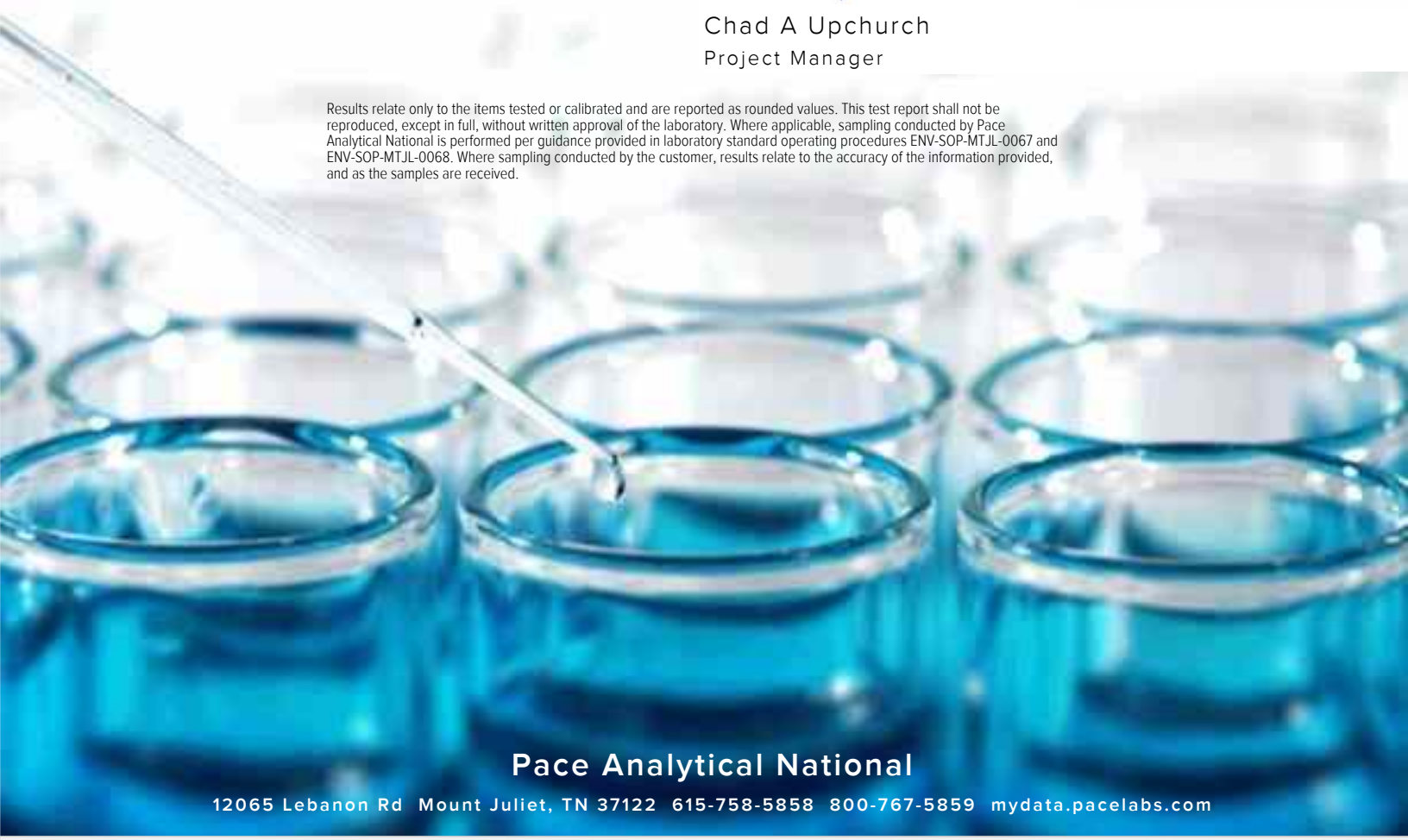
Dickinson Landfill

Sample Delivery Group:	L1938014
Samples Received:	01/22/2026
Project Number:	200
Description:	MW-41A Background
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-41A L1938014-01

Collected by: NICK M
Collected date/time: 01/21/26 10:28
Received date/time: 01/22/26 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2680255	1	01/23/26 12:08	01/23/26 12:51	AMG	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2680443	1	01/23/26 12:27	01/23/26 22:10	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2680455	1	01/27/26 08:49	01/28/26 18:18	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2680436	1	01/26/26 15:34	01/26/26 15:34	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2681669	1	01/28/26 01:56	01/28/26 01:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2682005	1	01/29/26 16:19	01/29/26 16:19	ACG	Mt. Juliet, TN

TRIP BLANK L1938014-02

Collected by: NICK M
Collected date/time: 01/21/26 10:28
Received date/time: 01/22/26 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2680436	1	01/26/26 15:12	01/26/26 15:12	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2681669	1	01/28/26 00:20	01/28/26 00:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2682005	1	01/29/26 16:39	01/29/26 16:39	ACG	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Volatile Organic Compounds (GC/MS) by Method 8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2681669	L1938014-01	1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 2-Butanone (MEK) and Acetone
WG2681669	L1938014-02	1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 2-Butanone (MEK) and Acetone

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2681669	(LCS) R4329084-1, L1938014-01, 02	1,1,1-Trichloroethane, Carbon tetrachloride and Iodomethane

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	24.33	ftmsl
pH (On Site)	6.86	su
Specific Conductance (on site)	1211	umhos/cm
Temperature (on-site)	10.5	Deg. C
Turbidity (on-site)	11.5	NTU
Dissolved Oxygen (on-site)	2.1	mg/l
eH/ORP (On Site)	109.6	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	37.6		2.50	1	01/23/2026 12:51	WG2680255

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	01/23/2026 22:10	WG2680443
Arsenic	ND		0.0100	1	01/23/2026 22:10	WG2680443
Barium	0.0886		0.0200	1	01/23/2026 22:10	WG2680443
Beryllium	ND		0.00400	1	01/23/2026 22:10	WG2680443
Cadmium	ND		0.00500	1	01/23/2026 22:10	WG2680443
Chromium	ND		0.0100	1	01/23/2026 22:10	WG2680443
Copper	ND		0.0100	1	01/23/2026 22:10	WG2680443
Nickel	ND		0.0100	1	01/23/2026 22:10	WG2680443
Lead	ND		0.0100	1	01/23/2026 22:10	WG2680443
Vanadium	ND		0.0200	1	01/23/2026 22:10	WG2680443
Zinc	ND		0.0500	1	01/23/2026 22:10	WG2680443

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	ND		0.00200	1	01/28/2026 18:18	WG2680455
Antimony	ND		0.00600	1	01/28/2026 18:18	WG2680455
Selenium	ND		0.0100	1	01/28/2026 18:18	WG2680455
Thallium	ND		0.00200	1	01/28/2026 18:18	WG2680455

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/28/2026 01:56	WG2681669
1,2,3-Trichloropropane	ND		0.00580	1	01/26/2026 15:34	WG2680436
1,1,1-Trichloroethane	ND	J4	1.00	1	01/28/2026 01:56	WG2681669
1,2-Dibromo-3-Chloropropane	ND		0.200	1	01/26/2026 15:34	WG2680436
1,1,2,2-Tetrachloroethane	ND	C3	0.300	1	01/28/2026 01:56	WG2681669
1,2-Dibromoethane	ND		0.0500	1	01/26/2026 15:34	WG2680436
1,1,2-Trichloroethane	ND	C3	1.00	1	01/28/2026 01:56	WG2681669
1,1-Dichloroethane	ND		1.00	1	01/28/2026 01:56	WG2681669
1,1-Dichloroethene	ND		1.00	1	01/28/2026 01:56	WG2681669
1,2-Dichlorobenzene	ND		1.00	1	01/28/2026 01:56	WG2681669
1,2-Dichloroethane	ND		1.00	1	01/28/2026 01:56	WG2681669
1,2-Dichloropropane	ND		1.00	1	01/28/2026 01:56	WG2681669
1,4-Dichlorobenzene	ND		1.00	1	01/28/2026 01:56	WG2681669
2-Butanone (MEK)	ND	C3	10.0	1	01/28/2026 01:56	WG2681669
2-Hexanone	ND		5.00	1	01/28/2026 01:56	WG2681669

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/28/2026 01:56	WG2681669
Acetone	ND	C3	25.0	1	01/28/2026 01:56	WG2681669
Acrylonitrile	ND		0.320	1	01/28/2026 01:56	WG2681669
Benzene	ND		1.00	1	01/28/2026 01:56	WG2681669
Bromochloromethane	ND		1.00	1	01/28/2026 01:56	WG2681669
Bromodichloromethane	ND		1.00	1	01/28/2026 01:56	WG2681669
Bromoform	ND		1.00	1	01/28/2026 01:56	WG2681669
Bromomethane	ND		2.50	1	01/28/2026 01:56	WG2681669
Carbon disulfide	ND		1.00	1	01/28/2026 01:56	WG2681669
Carbon tetrachloride	ND	J4	1.00	1	01/28/2026 01:56	WG2681669
Chlorobenzene	ND		1.00	1	01/28/2026 01:56	WG2681669
Chloroethane	ND		2.50	1	01/28/2026 01:56	WG2681669
Chloroform	ND		1.00	1	01/28/2026 01:56	WG2681669
Chloromethane	ND		1.25	1	01/28/2026 01:56	WG2681669
Dibromochloromethane	ND		1.00	1	01/28/2026 01:56	WG2681669
Dibromomethane	ND		1.00	1	01/28/2026 01:56	WG2681669
Ethylbenzene	ND		1.00	1	01/28/2026 01:56	WG2681669
Iodomethane	ND	J4	10.0	1	01/28/2026 01:56	WG2681669
Methylene Chloride	ND		2.50	1	01/28/2026 01:56	WG2681669
Styrene	ND		1.00	1	01/28/2026 01:56	WG2681669
Tetrachloroethene	ND		1.00	1	01/28/2026 01:56	WG2681669
Toluene	ND		1.00	1	01/28/2026 01:56	WG2681669
Trichloroethene	ND		1.00	1	01/28/2026 01:56	WG2681669
Trichlorofluoromethane	ND		2.50	1	01/28/2026 01:56	WG2681669
Vinyl acetate	ND		5.00	1	01/28/2026 01:56	WG2681669
Vinyl chloride	ND		1.00	1	01/29/2026 16:19	WG2682005
Xylenes, Total	ND		3.00	1	01/28/2026 01:56	WG2681669
cis-1,2-Dichloroethene	ND		1.00	1	01/28/2026 01:56	WG2681669
cis-1,3-Dichloropropene	ND		1.00	1	01/28/2026 01:56	WG2681669
trans-1,2-Dichloroethene	ND		1.00	1	01/28/2026 01:56	WG2681669
trans-1,3-Dichloropropene	ND		1.00	1	01/28/2026 01:56	WG2681669
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/28/2026 01:56	WG2681669
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*	*01/28/2026 01:56*	WG2681669
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*	*01/29/2026 16:19*	WG2682005
(S) Toluene-d8	*87.6*			*75.0-131*	*01/28/2026 01:56*	WG2681669
(S) Toluene-d8	*100*			*75.0-131*	*01/29/2026 16:19*	WG2682005
(S) 4-Bromofluorobenzene	*82.1*			*67.0-138*	*01/28/2026 01:56*	WG2681669
(S) 4-Bromofluorobenzene	*101*			*67.0-138*	*01/29/2026 16:19*	WG2682005

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/28/2026 00:20	WG2681669
1,2,3-Trichloropropane	ND		0.00580	1	01/26/2026 15:12	WG2680436
1,1,1-Trichloroethane	ND	J4	1.00	1	01/28/2026 00:20	WG2681669
1,2-Dibromo-3-Chloropropane	ND		0.200	1	01/26/2026 15:12	WG2680436
1,1,2,2-Tetrachloroethane	ND	C3	0.300	1	01/28/2026 00:20	WG2681669
1,2-Dibromoethane	ND		0.0500	1	01/26/2026 15:12	WG2680436
1,1,2-Trichloroethane	ND	C3	1.00	1	01/28/2026 00:20	WG2681669
1,1-Dichloroethane	ND		1.00	1	01/28/2026 00:20	WG2681669
1,1-Dichloroethene	ND		1.00	1	01/28/2026 00:20	WG2681669
1,2-Dichlorobenzene	ND		1.00	1	01/28/2026 00:20	WG2681669
1,2-Dichloroethane	ND		1.00	1	01/28/2026 00:20	WG2681669
1,2-Dichloropropane	ND		1.00	1	01/28/2026 00:20	WG2681669
1,4-Dichlorobenzene	ND		1.00	1	01/28/2026 00:20	WG2681669
2-Butanone (MEK)	ND	C3	10.0	1	01/28/2026 00:20	WG2681669
2-Hexanone	ND		5.00	1	01/28/2026 00:20	WG2681669
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/28/2026 00:20	WG2681669
Acetone	ND	C3	25.0	1	01/28/2026 00:20	WG2681669
Acrylonitrile	ND		0.320	1	01/28/2026 00:20	WG2681669
Benzene	ND		1.00	1	01/28/2026 00:20	WG2681669
Bromochloromethane	ND		1.00	1	01/28/2026 00:20	WG2681669
Bromodichloromethane	ND		1.00	1	01/28/2026 00:20	WG2681669
Bromoform	ND		1.00	1	01/28/2026 00:20	WG2681669
Bromomethane	ND		2.50	1	01/28/2026 00:20	WG2681669
Carbon disulfide	ND		1.00	1	01/28/2026 00:20	WG2681669
Carbon tetrachloride	ND	J4	1.00	1	01/28/2026 00:20	WG2681669
Chlorobenzene	ND		1.00	1	01/28/2026 00:20	WG2681669
Chloroethane	ND		2.50	1	01/28/2026 00:20	WG2681669
Chloroform	ND		1.00	1	01/28/2026 00:20	WG2681669
Chloromethane	ND		1.25	1	01/28/2026 00:20	WG2681669
Dibromochloromethane	ND		1.00	1	01/28/2026 00:20	WG2681669
Dibromomethane	ND		1.00	1	01/28/2026 00:20	WG2681669
Ethylbenzene	ND		1.00	1	01/28/2026 00:20	WG2681669
Iodomethane	ND	J4	10.0	1	01/28/2026 00:20	WG2681669
Methylene Chloride	ND		2.50	1	01/28/2026 00:20	WG2681669
Styrene	ND		1.00	1	01/28/2026 00:20	WG2681669
Tetrachloroethene	ND		1.00	1	01/28/2026 00:20	WG2681669
Toluene	ND		1.00	1	01/28/2026 00:20	WG2681669
Trichloroethene	ND		1.00	1	01/28/2026 00:20	WG2681669
Trichlorofluoromethane	ND		2.50	1	01/28/2026 00:20	WG2681669
Vinyl acetate	ND		5.00	1	01/28/2026 00:20	WG2681669
Vinyl chloride	ND		1.00	1	01/29/2026 16:39	WG2682005
Xylenes, Total	ND		3.00	1	01/28/2026 00:20	WG2681669
cis-1,2-Dichloroethene	ND		1.00	1	01/28/2026 00:20	WG2681669
cis-1,3-Dichloropropene	ND		1.00	1	01/28/2026 00:20	WG2681669
trans-1,2-Dichloroethene	ND		1.00	1	01/28/2026 00:20	WG2681669
trans-1,3-Dichloropropene	ND		1.00	1	01/28/2026 00:20	WG2681669
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/28/2026 00:20	WG2681669
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*	*01/28/2026 00:20*	WG2681669
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*	*01/29/2026 16:39*	WG2682005
(S) Toluene-d8	*104*			*75.0-131*	*01/28/2026 00:20*	WG2681669
(S) Toluene-d8	*102*			*75.0-131*	*01/29/2026 16:39*	WG2682005
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*	*01/28/2026 00:20*	WG2681669
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*	*01/29/2026 16:39*	WG2682005

Method Blank (MB)

(MB) R4328744-1 01/23/26 12:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1937920-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1937920-01 01/23/26 12:51 • (DUP) R4328744-3 01/23/26 12:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	137	141	1	2.88		10

L1938000-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1938000-01 01/23/26 12:51 • (DUP) R4328744-4 01/23/26 12:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	12.3	11.8	1	4.17		10

Laboratory Control Sample (LCS)

(LCS) R4328744-2 01/23/26 12:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	808	105	85.0-115	

Method Blank (MB)

(MB) R4328634-1 01/23/26 22:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Nickel	ND		0.00490	0.0100
Lead	0.00372	J	0.00190	0.00500
Vanadium	ND		0.00240	0.0200
Zinc	ND		0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4328634-2 01/23/26 22:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.201	101	80.0-120	
Arsenic	1.00	0.994	99.4	80.0-120	
Barium	1.00	1.05	105	80.0-120	
Beryllium	1.00	1.01	101	80.0-120	
Cadmium	1.00	1.02	102	80.0-120	
Chromium	1.00	1.05	105	80.0-120	
Copper	1.00	0.988	98.8	80.0-120	
Nickel	1.00	1.00	100	80.0-120	
Lead	1.00	1.01	101	80.0-120	
Vanadium	1.00	0.987	98.7	80.0-120	
Zinc	1.00	1.02	102	80.0-120	

L1938014-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1938014-01 01/23/26 22:10 • (MS) R4328634-4 01/23/26 22:16 • (MSD) R4328634-5 01/23/26 22:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.201	0.200	101	100	1	75.0-125			0.457	20
Arsenic	1.00	ND	1.02	1.01	102	101	1	75.0-125			1.03	20
Barium	1.00	0.0886	1.12	1.13	104	105	1	75.0-125			0.900	20
Beryllium	1.00	ND	1.00	0.983	100	98.3	1	75.0-125			1.93	20
Cadmium	1.00	ND	1.03	1.01	103	101	1	75.0-125			1.21	20

L1938014-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1938014-01 01/23/26 22:10 • (MS) R4328634-4 01/23/26 22:16 • (MSD) R4328634-5 01/23/26 22:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	1.00	ND	1.02	1.02	102	102	1	75.0-125			0.153	20
Copper	1.00	ND	0.961	0.981	95.9	97.9	1	75.0-125			2.06	20
Nickel	1.00	ND	1.01	0.997	100	99.3	1	75.0-125			0.802	20
Lead	1.00	ND	1.01	1.00	100	99.6	1	75.0-125			0.930	20
Vanadium	1.00	ND	0.992	0.972	99.2	97.2	1	75.0-125			1.99	20
Zinc	1.00	ND	1.02	1.01	100	99.2	1	75.0-125			1.09	20

Method Blank (MB)

(MB) R4329326-5 01/28/26 16:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	ND		0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4329326-6 01/28/26 16:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0498	99.7	80.0-120	
Antimony	0.0500	0.0475	95.0	80.0-120	
Selenium	0.0500	0.0487	97.4	80.0-120	
Thallium	0.0500	0.0459	91.7	80.0-120	

L1937745-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1937745-01 01/28/26 16:55 • (MS) R4329326-8 01/28/26 17:01 • (MSD) R4329326-9 01/28/26 17:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	ND	0.0508	0.0492	99.9	96.6	1	75.0-125			3.30	20
Antimony	0.0500	ND	0.0483	0.0471	96.6	94.2	1	75.0-125			2.45	20
Selenium	0.0500	ND	0.0511	0.0488	102	97.6	1	75.0-125			4.52	20
Thallium	0.0500	ND	0.0473	0.0468	94.7	93.6	1	75.0-125			1.10	20

Method Blank (MB)

(MB) R4328699-2 01/26/26 14:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	ND		0.00200	0.00500
1,2-Dibromo-3-Chloropropane	ND		0.000520	0.00500
1,2-Dibromoethane	ND		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R4328699-1 01/26/26 14:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0510	102	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0500	0.0510	102	70.0-130	
1,2-Dibromoethane	0.0500	0.0550	110	70.0-130	

Method Blank (MB)

(MB) R4329084-2 01/27/26 22:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.0379	0.100
1,1,1-Trichloroethane	ND		0.0369	0.100
1,1,2,2-Tetrachloroethane	ND		0.0278	0.100
1,1,2-Trichloroethane	ND		0.0239	0.100
1,1-Dichloroethane	ND		0.0196	0.100
1,1-Dichloroethene	ND		0.0242	0.100
1,2-Dichlorobenzene	ND		0.0170	0.200
1,2-Dichloroethane	ND		0.0260	0.100
1,2-Dichloropropane	ND		0.0568	0.200
1,4-Dichlorobenzene	ND		0.0280	0.200
2-Butanone (MEK)	ND		2.54	4.00
2-Hexanone	ND		0.134	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0912	1.00
Acetone	ND		1.46	2.00
Acrylonitrile	ND		0.144	0.500
Benzene	ND		0.0187	0.0400
Bromochloromethane	ND		0.0226	0.200
Bromodichloromethane	ND		0.0290	0.100
Bromoform	ND		0.0468	0.500
Bromomethane	ND		0.0788	0.500
Carbon disulfide	ND		0.0280	0.500
Carbon tetrachloride	ND		0.0359	0.200
Chlorobenzene	ND		0.00840	0.100
Chloroethane	ND		0.0680	0.200
Chloroform	ND		0.0412	0.100
Chloromethane	ND		0.174	0.500
Dibromochloromethane	ND		0.0245	0.100
Dibromomethane	ND		0.0300	0.200
Ethylbenzene	ND		0.0295	0.100
Iodomethane	ND		0.0928	0.500
Methylene Chloride	ND		0.266	1.00
Styrene	ND		0.00916	0.500
Tetrachloroethene	ND		0.0358	0.100
Toluene	ND		0.0520	0.200
Trichloroethene	ND		0.0234	0.0400
Trichlorofluoromethane	ND		0.0331	0.100
Vinyl acetate	ND		0.102	0.500
Xylenes, Total	ND		0.0352	0.260
cis-1,2-Dichloroethene	ND		0.0294	0.100
cis-1,3-Dichloropropene	ND		0.0303	0.100

Method Blank (MB)

(MB) R4329084-2 01/27/26 22:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,2-Dichloroethene	ND		0.0416	0.200
trans-1,3-Dichloropropene	ND		0.0456	0.200
trans-1,4-Dichloro-2-butene	ND		0.0744	0.200
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*
(S) Toluene-d8	*82.2*			*75.0-131*
(S) 4-Bromofluorobenzene	*86.5*			*67.0-138*

Laboratory Control Sample (LCS)

(LCS) R4329084-1 01/27/26 21:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	10.0	10.6	106	74.0-129	
1,1,1-Trichloroethane	10.0	12.9	129	69.0-126	J4
1,1,2,2-Tetrachloroethane	10.0	9.65	96.5	68.0-128	
1,1,2-Trichloroethane	10.0	8.08	80.8	78.0-123	
1,1-Dichloroethane	10.0	9.23	92.3	70.0-127	
1,1-Dichloroethene	10.0	10.8	108	65.0-131	
1,2-Dichlorobenzene	10.0	9.78	97.8	76.0-124	
1,2-Dichloroethane	10.0	11.7	117	65.0-131	
1,2-Dichloropropane	10.0	8.82	88.2	74.0-125	
1,4-Dichlorobenzene	10.0	9.66	96.6	77.0-121	
2-Butanone (MEK)	50.0	47.8	95.6	30.0-160	
2-Hexanone	50.0	48.4	96.8	54.0-147	
4-Methyl-2-pentanone (MIBK)	50.0	39.4	78.8	56.0-143	
Acetone	50.0	59.9	120	10.0-160	
Acrylonitrile	50.0	45.7	91.4	45.0-153	
Benzene	10.0	9.22	92.2	70.0-123	
Bromochloromethane	10.0	9.41	94.1	77.0-128	
Bromodichloromethane	10.0	11.0	110	73.0-121	
Bromoform	10.0	12.0	120	64.0-132	
Bromomethane	10.0	10.6	106	56.0-147	
Carbon disulfide	10.0	10.8	108	56.0-133	
Carbon tetrachloride	10.0	13.8	138	66.0-128	J4
Chlorobenzene	10.0	9.16	91.6	76.0-128	
Chloroethane	10.0	10.2	102	61.0-134	
Chloroform	10.0	10.5	105	72.0-123	
Chloromethane	10.0	7.45	74.5	51.0-138	
Dibromochloromethane	10.0	8.92	89.2	74.0-127	

Laboratory Control Sample (LCS)

(LCS) R4329084-1 01/27/26 21:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibromomethane	10.0	10.3	103	75.0-122	
Ethylbenzene	10.0	9.98	99.8	74.0-126	
Iodomethane	50.0	75.2	150	74.0-134	J4
Methylene Chloride	10.0	8.66	86.6	68.0-123	
Styrene	10.0	12.1	121	72.0-127	
Tetrachloroethene	10.0	9.67	96.7	70.0-136	
Toluene	10.0	8.04	80.4	75.0-121	
Trichloroethene	10.0	10.1	101	76.0-126	
Trichlorofluoromethane	10.0	13.3	133	61.0-142	
Vinyl acetate	50.0	53.5	107	43.0-159	
Xylenes, Total	30.0	32.1	107	72.0-127	
cis-1,2-Dichloroethene	10.0	9.51	95.1	73.0-125	
cis-1,3-Dichloropropene	10.0	9.76	97.6	76.0-127	
trans-1,2-Dichloroethene	10.0	10.5	105	71.0-125	
trans-1,3-Dichloropropene	10.0	8.94	89.4	73.0-127	
trans-1,4-Dichloro-2-butene	10.0	10.9	109	45.0-143	
(S) 1,2-Dichloroethane-d4			*119*	*70.0-130*	
(S) Toluene-d8			*82.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*108*	*67.0-138*	

Method Blank (MB)

(MB) R4329927-4 01/29/26 14:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.0462	0.0500
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4329927-1 01/29/26 11:03 • (LCSD) R4329927-2 01/29/26 11:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	10.0	8.87	8.28	88.7	82.8	63.0-134			6.88	20
(S) 1,2-Dichloroethane-d4				*101*	*97.1*	*70.0-130*				
(S) Toluene-d8				*97.7*	*99.0*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.7*	*99.9*	*67.0-138*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Pres Chk

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
MW-41A Background

City/State Collected: Spirit Lake, Iowa

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00012

Collected by (print):
Nick M

Site/Facility ID #
IA01

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 250mlHDPE-HNO3	TSS 1L-HDPE NoPres	V524LL 40mlAmb-AscAcid+HCl	V524LL 40mlAmb-HCl-Blk	V8260ULLC 40mlAmb-HCl	V8260ULLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-41A		GW		21Jan26	1028	8	X	X	X		X			-01
TRIP BLANK		GW		1	~~08~~ 1028	4				X		X		-02

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L938014

Ta **F131**

Acctnum: **WMDICIA**
Template: **T280596**
Prelogin: **P1190603**
PM: **3564 - Chad A Upchurch**
PB: AGW 12-1
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _ _____

Tracking # 7920 5926 8130

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	21Jan26	1352	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes No
HCL / MeoH
TBR

Temp: °C Bottles Received:
TTM 0.8+0=0.8 8

Date: 1122126 Time: 8:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF
Site No.: ____ Sample Point: ____ Sample ID

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L1938014

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
01 21 26	10:17	:11	1.3	1.5	2.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: [Y] or N

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Filter Device: Y or [N] 0.45 µ or ____ µ (circle or fill in)
Filter Type: —
A-In-line Disposable B-Pressure C-Vacuum X-Other ____
Sample Tube Type: D
A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other: ____

WELL DATA

Well Elevation (at TOC): 1483.22 (ft/msl)
Depth to Water (DTW) (from TOC): 24.33 (ft)
Groundwater Elevation (site datum, from TOC): 1458.89 (ft/msl)
Total Well Depth (from TOC): 37.57 (ft)
Stick Up (from ground elevation): — (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1020	+5 1st	6.91 1st	1206 1st	11.1	25.7	4.8	117.6	26.4
1023	2nd	6.94 2nd	1217 2nd	11.0	24.8	5.2	112.3	27.2
	3rd	3rd	3rd					
1028	+ 4th	6.86 4th	1211 4th	10.5	11.5	2.1	109.6	Below pump
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
01 21 26	6.86	1211	10.5	11.5	2.1	109.6	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: Sl. cloudy
Odor: Sl. Sulfurous
Color: Clear
Other: —

Weather Conditions (required daily, or as conditions change):
Direction/Speed: SW-15
Outlook: 23° cloudy
Precipitation: Y or [N]

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
01/21/26	ZH NM	ZH NM	MUTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

L1938014

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT

Site Name: Dickinson Co. SLF Permit No.:

Monitoring Well/Piezometer No.: MW-41A Upgradient: Downgradient:

Name of person sampling: NM, ZH

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped: Yes Standing Water of Litter?: NO
If no, explain: If yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing: 1483.22 Ground Elevation:
Depth of Well: 32.57 Inside casing diameter (in inches):
Equipment Used: EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	21Jan26/1017	24.33	1458.89
* After Purging	I/1023	27.20	1456.02
* Before Sampling	I/1028	Below Pump	—

C. WELL PURGING

Quantity of Water Removed from Well (gallons): 3.0
No. of Well Volumes (based on current water level): 2.0
Was well pumped / bailed dry?: YES

Equipment used:
Bailer type: Dedicated Bailer?:
Pump type: QED Bladder Dedicated Pump?: Yes
If not dedicated, method of cleaning:

*D. FIELD MEASUREMENT

Weather Conditions: SW-15 23°C/cloudy
Field Measurements (after stabilization):
Temperature: 10.5 Units: C
Equipment Used: YSI 6820 Multi Parameter Meter
pH: 6.86
Equipment Used: YSI 6820 Multi Parameter Meter
Specific Cond.: FZ11
Equipment Used: YSI 6820 Multi Parameter Meter

Comments:

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

ANALYTICAL REPORT

March 10, 2026

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

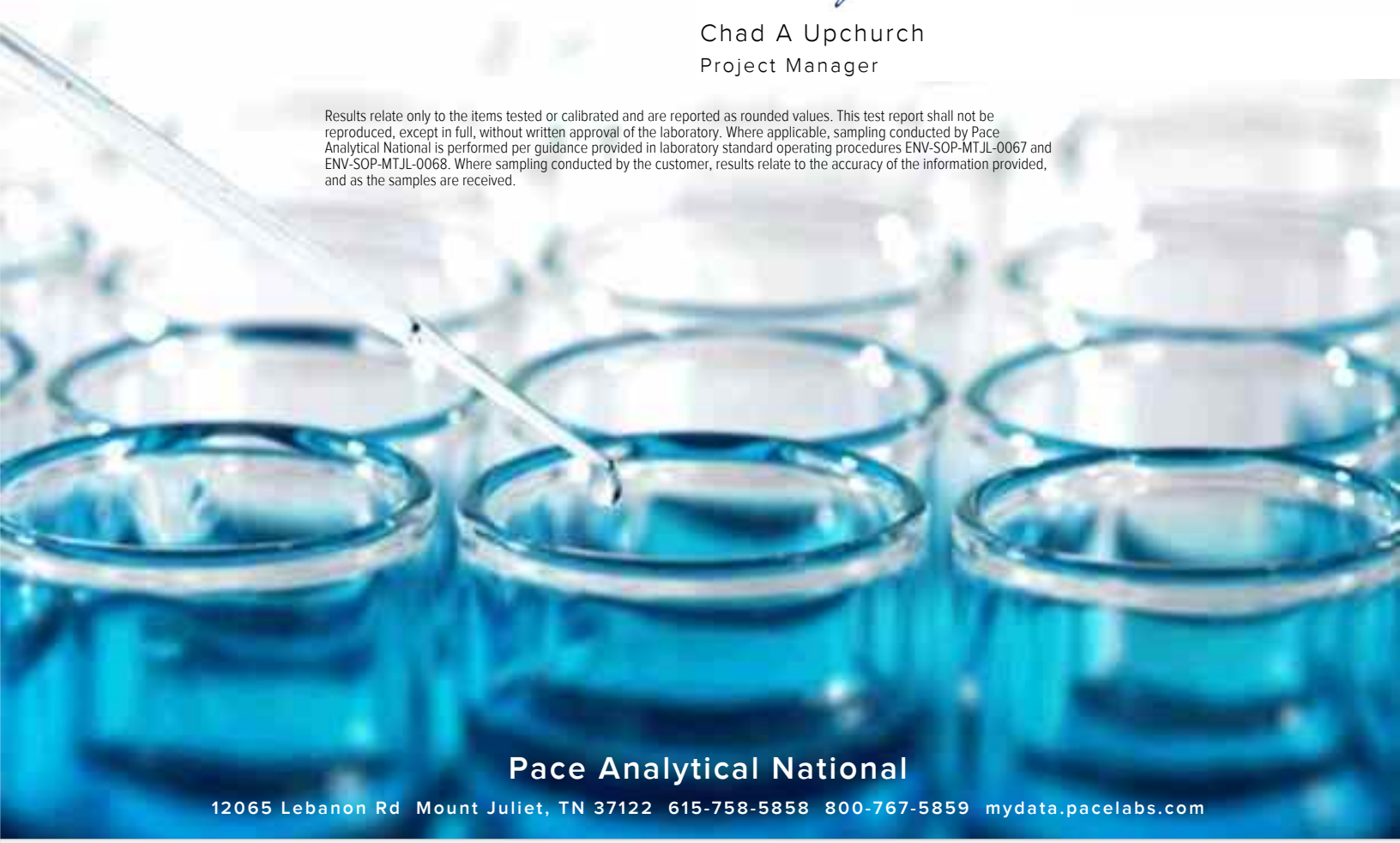
Dickinson Landfill

Sample Delivery Group:	L1950185
Samples Received:	03/04/2026
Project Number:	200
Description:	MW-41A Background
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-41A L1950185-01

Collected by: Nick M.
Collected date/time: 03/03/26 10:09
Received date/time: 03/04/26 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2705837	1	03/05/26 10:32	03/05/26 13:28	BDC	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2705670	1	03/05/26 19:09	03/05/26 22:36	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2705671	1	03/05/26 19:27	03/05/26 23:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2705962	1	03/06/26 17:34	03/06/26 17:34	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2708122	1	03/09/26 17:23	03/09/26 17:23	DWR	Mt. Juliet, TN

TRIP BLANK L1950185-02

Collected by: Nick M.
Collected date/time: 03/03/26 08:00
Received date/time: 03/04/26 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2705962	1	03/06/26 14:42	03/06/26 14:42	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2708122	1	03/09/26 16:02	03/09/26 16:02	DWR	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Volatile Organic Compounds (GC/MS) by Method 8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2708122	L1950185-01	1,1,2,2-Tetrachloroethane, 4-Methyl-2-pentanone (MIBK) and trans-1,4-Dichloro-2-butene
WG2708122	L1950185-02	1,1,2,2-Tetrachloroethane, 4-Methyl-2-pentanone (MIBK) and trans-1,4-Dichloro-2-butene

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	23.77	ftmsl
pH (On Site)	6.91	su
Specific Conductance (on site)	1181	umhos/cm
Temperature (on-site)	10.8	Deg. C
Turbidity (on-site)	28	NTU
Dissolved Oxygen (on-site)	3.9	mg/l
eH/ORP (On Site)	85.2	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	28.4		2.50	1	03/05/2026 13:28	WG2705837

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	03/05/2026 22:36	WG2705670
Arsenic	ND		0.0100	1	03/05/2026 22:36	WG2705670
Barium	0.0823		0.0200	1	03/05/2026 22:36	WG2705670
Beryllium	ND		0.00400	1	03/05/2026 22:36	WG2705670
Cadmium	ND		0.00500	1	03/05/2026 22:36	WG2705670
Chromium	ND		0.0100	1	03/05/2026 22:36	WG2705670
Copper	ND		0.0100	1	03/05/2026 22:36	WG2705670
Nickel	ND		0.0100	1	03/05/2026 22:36	WG2705670
Lead	ND		0.0100	1	03/05/2026 22:36	WG2705670
Vanadium	ND		0.0200	1	03/05/2026 22:36	WG2705670
Zinc	ND		0.0500	1	03/05/2026 22:36	WG2705670

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	ND		0.00200	1	03/05/2026 23:43	WG2705671
Antimony	ND		0.00600	1	03/05/2026 23:43	WG2705671
Selenium	ND		0.0100	1	03/05/2026 23:43	WG2705671
Thallium	ND		0.00200	1	03/05/2026 23:43	WG2705671

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/09/2026 17:23	WG2708122
1,2,3-Trichloropropane	ND		0.00580	1	03/06/2026 17:34	WG2705962
1,1,1-Trichloroethane	ND		1.00	1	03/09/2026 17:23	WG2708122
1,2-Dibromo-3-Chloropropane	ND		0.200	1	03/06/2026 17:34	WG2705962
1,1,2,2-Tetrachloroethane	ND	C3	0.300	1	03/09/2026 17:23	WG2708122
1,2-Dibromoethane	ND		0.0500	1	03/06/2026 17:34	WG2705962
1,1,2-Trichloroethane	ND		1.00	1	03/09/2026 17:23	WG2708122
1,1-Dichloroethane	ND		1.00	1	03/09/2026 17:23	WG2708122
1,1-Dichloroethene	ND		1.00	1	03/09/2026 17:23	WG2708122
1,2-Dichlorobenzene	ND		1.00	1	03/09/2026 17:23	WG2708122
1,2-Dichloroethane	ND		1.00	1	03/09/2026 17:23	WG2708122
1,2-Dichloropropane	ND		1.00	1	03/09/2026 17:23	WG2708122
1,4-Dichlorobenzene	ND		1.00	1	03/09/2026 17:23	WG2708122
2-Butanone (MEK)	ND		10.0	1	03/09/2026 17:23	WG2708122
2-Hexanone	ND		5.00	1	03/09/2026 17:23	WG2708122

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND	C3	5.00	1	03/09/2026 17:23	WG2708122
Acetone	ND		25.0	1	03/09/2026 17:23	WG2708122
Acrylonitrile	ND		0.320	1	03/09/2026 17:23	WG2708122
Benzene	ND		1.00	1	03/09/2026 17:23	WG2708122
Bromochloromethane	ND		1.00	1	03/09/2026 17:23	WG2708122
Bromodichloromethane	ND		1.00	1	03/09/2026 17:23	WG2708122
Bromoform	ND		1.00	1	03/09/2026 17:23	WG2708122
Bromomethane	ND		2.50	1	03/09/2026 17:23	WG2708122
Carbon disulfide	ND		1.00	1	03/09/2026 17:23	WG2708122
Carbon tetrachloride	ND		1.00	1	03/09/2026 17:23	WG2708122
Chlorobenzene	ND		1.00	1	03/09/2026 17:23	WG2708122
Chloroethane	ND		2.50	1	03/09/2026 17:23	WG2708122
Chloroform	ND		1.00	1	03/09/2026 17:23	WG2708122
Chloromethane	ND		1.25	1	03/09/2026 17:23	WG2708122
Dibromochloromethane	ND		1.00	1	03/09/2026 17:23	WG2708122
Dibromomethane	ND		1.00	1	03/09/2026 17:23	WG2708122
Ethylbenzene	ND		1.00	1	03/09/2026 17:23	WG2708122
Iodomethane	ND		10.0	1	03/09/2026 17:23	WG2708122
Methylene Chloride	ND		2.50	1	03/09/2026 17:23	WG2708122
Styrene	ND		1.00	1	03/09/2026 17:23	WG2708122
Tetrachloroethene	ND		1.00	1	03/09/2026 17:23	WG2708122
Toluene	ND		1.00	1	03/09/2026 17:23	WG2708122
Trichloroethene	ND		1.00	1	03/09/2026 17:23	WG2708122
Trichlorofluoromethane	ND		2.50	1	03/09/2026 17:23	WG2708122
Vinyl acetate	ND		5.00	1	03/09/2026 17:23	WG2708122
Vinyl chloride	ND		1.00	1	03/09/2026 17:23	WG2708122
Xylenes, Total	ND		3.00	1	03/09/2026 17:23	WG2708122
cis-1,2-Dichloroethene	ND		1.00	1	03/09/2026 17:23	WG2708122
cis-1,3-Dichloropropene	ND		1.00	1	03/09/2026 17:23	WG2708122
trans-1,2-Dichloroethene	ND		1.00	1	03/09/2026 17:23	WG2708122
trans-1,3-Dichloropropene	ND		1.00	1	03/09/2026 17:23	WG2708122
trans-1,4-Dichloro-2-butene	ND	C3	1.00	1	03/09/2026 17:23	WG2708122
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*	*03/09/2026 17:23*	WG2708122
(S) Toluene-d8	*99.6*			*75.0-131*	*03/09/2026 17:23*	WG2708122
(S) 4-Bromofluorobenzene	*101*			*67.0-138*	*03/09/2026 17:23*	WG2708122

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/09/2026 16:02	WG2708122
1,2,3-Trichloropropane	ND		0.00580	1	03/06/2026 14:42	WG2705962
1,1,1-Trichloroethane	ND		1.00	1	03/09/2026 16:02	WG2708122
1,2-Dibromo-3-Chloropropane	ND		0.200	1	03/06/2026 14:42	WG2705962
1,1,2,2-Tetrachloroethane	ND	C3	0.300	1	03/09/2026 16:02	WG2708122
1,2-Dibromoethane	ND		0.0500	1	03/06/2026 14:42	WG2705962
1,1,2-Trichloroethane	ND		1.00	1	03/09/2026 16:02	WG2708122
1,1-Dichloroethane	ND		1.00	1	03/09/2026 16:02	WG2708122
1,1-Dichloroethene	ND		1.00	1	03/09/2026 16:02	WG2708122
1,2-Dichlorobenzene	ND		1.00	1	03/09/2026 16:02	WG2708122
1,2-Dichloroethane	ND		1.00	1	03/09/2026 16:02	WG2708122
1,2-Dichloropropane	ND		1.00	1	03/09/2026 16:02	WG2708122
1,4-Dichlorobenzene	ND		1.00	1	03/09/2026 16:02	WG2708122
2-Butanone (MEK)	ND		10.0	1	03/09/2026 16:02	WG2708122
2-Hexanone	ND		5.00	1	03/09/2026 16:02	WG2708122
4-Methyl-2-pentanone (MIBK)	ND	C3	5.00	1	03/09/2026 16:02	WG2708122
Acetone	ND		25.0	1	03/09/2026 16:02	WG2708122
Acrylonitrile	ND		0.320	1	03/09/2026 16:02	WG2708122
Benzene	ND		1.00	1	03/09/2026 16:02	WG2708122
Bromochloromethane	ND		1.00	1	03/09/2026 16:02	WG2708122
Bromodichloromethane	ND		1.00	1	03/09/2026 16:02	WG2708122
Bromoform	ND		1.00	1	03/09/2026 16:02	WG2708122
Bromomethane	ND		2.50	1	03/09/2026 16:02	WG2708122
Carbon disulfide	ND		1.00	1	03/09/2026 16:02	WG2708122
Carbon tetrachloride	ND		1.00	1	03/09/2026 16:02	WG2708122
Chlorobenzene	ND		1.00	1	03/09/2026 16:02	WG2708122
Chloroethane	ND		2.50	1	03/09/2026 16:02	WG2708122
Chloroform	ND		1.00	1	03/09/2026 16:02	WG2708122
Chloromethane	ND		1.25	1	03/09/2026 16:02	WG2708122
Dibromochloromethane	ND		1.00	1	03/09/2026 16:02	WG2708122
Dibromomethane	ND		1.00	1	03/09/2026 16:02	WG2708122
Ethylbenzene	ND		1.00	1	03/09/2026 16:02	WG2708122
Iodomethane	ND		10.0	1	03/09/2026 16:02	WG2708122
Methylene Chloride	ND		2.50	1	03/09/2026 16:02	WG2708122
Styrene	ND		1.00	1	03/09/2026 16:02	WG2708122
Tetrachloroethene	ND		1.00	1	03/09/2026 16:02	WG2708122
Toluene	ND		1.00	1	03/09/2026 16:02	WG2708122
Trichloroethene	ND		1.00	1	03/09/2026 16:02	WG2708122
Trichlorofluoromethane	ND		2.50	1	03/09/2026 16:02	WG2708122
Vinyl acetate	ND		5.00	1	03/09/2026 16:02	WG2708122
Vinyl chloride	ND		1.00	1	03/09/2026 16:02	WG2708122
Xylenes, Total	ND		3.00	1	03/09/2026 16:02	WG2708122
cis-1,2-Dichloroethene	ND		1.00	1	03/09/2026 16:02	WG2708122
cis-1,3-Dichloropropene	ND		1.00	1	03/09/2026 16:02	WG2708122
trans-1,2-Dichloroethene	ND		1.00	1	03/09/2026 16:02	WG2708122
trans-1,3-Dichloropropene	ND		1.00	1	03/09/2026 16:02	WG2708122
trans-1,4-Dichloro-2-butene	ND	C3	1.00	1	03/09/2026 16:02	WG2708122
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*	*03/09/2026 16:02*	WG2708122
(S) Toluene-d8	*97.9*			*75.0-131*	*03/09/2026 16:02*	WG2708122
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*	*03/09/2026 16:02*	WG2708122

Method Blank (MB)

(MB) R4344712-1 03/05/26 13:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1950186-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1950186-01 03/05/26 13:28 • (DUP) R4344712-3 03/05/26 13:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	80.0	85.6	1	6.76		10

L1950228-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1950228-01 03/05/26 13:28 • (DUP) R4344712-4 03/05/26 13:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	282	280	1	0.712		10

Laboratory Control Sample (LCS)

(LCS) R4344712-2 03/05/26 13:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	832	108	85.0-115	

Method Blank (MB)

(MB) R4344209-1 03/05/26 21:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Nickel	ND		0.00490	0.0100
Lead	ND		0.00190	0.00500
Vanadium	ND		0.00240	0.0200
Zinc	ND		0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4344209-2 03/05/26 21:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.197	98.7	80.0-120	
Arsenic	1.00	0.960	96.0	80.0-120	
Barium	1.00	1.00	100	80.0-120	
Beryllium	1.00	0.991	99.1	80.0-120	
Cadmium	1.00	0.958	95.8	80.0-120	
Chromium	1.00	1.01	101	80.0-120	
Copper	1.00	0.980	98.0	80.0-120	
Nickel	1.00	0.948	94.8	80.0-120	
Lead	1.00	0.963	96.3	80.0-120	
Vanadium	1.00	0.955	95.5	80.0-120	
Zinc	1.00	0.990	99.0	80.0-120	

L1950101-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1950101-02 03/05/26 21:34 • (MS) R4344209-4 03/05/26 21:39 • (MSD) R4344209-5 03/05/26 21:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.197	0.198	98.7	99.1	1	75.0-125			0.423	20
Arsenic	1.00	ND	0.964	0.975	96.4	97.5	1	75.0-125			1.05	20
Barium	1.00	ND	1.02	1.03	101	101	1	75.0-125			0.666	20
Beryllium	1.00	ND	0.996	1.01	99.6	101	1	75.0-125			1.16	20
Cadmium	1.00	ND	0.963	0.973	96.3	97.2	1	75.0-125			0.989	20

L1950101-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1950101-02 03/05/26 21:34 • (MS) R4344209-4 03/05/26 21:39 • (MSD) R4344209-5 03/05/26 21:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	1.00	ND	1.02	1.02	102	102	1	75.0-125			0.325	20
Copper	1.00	ND	0.990	0.990	98.6	98.5	1	75.0-125			0.0109	20
Nickel	1.00	ND	0.949	0.962	94.9	96.2	1	75.0-125			1.36	20
Lead	1.00	ND	0.960	0.972	96.0	97.2	1	75.0-125			1.25	20
Vanadium	1.00	ND	0.957	0.968	95.7	96.8	1	75.0-125			1.15	20
Zinc	1.00	0.123	1.11	1.12	98.5	99.9	1	75.0-125			1.22	20

Method Blank (MB)

(MB) R4344214-1 03/05/26 22:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	ND		0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4344214-2 03/05/26 22:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0489	97.7	80.0-120	
Antimony	0.0500	0.0461	92.2	80.0-120	
Selenium	0.0500	0.0506	101	80.0-120	
Thallium	0.0500	0.0476	95.3	80.0-120	

L1950071-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1950071-05 03/05/26 22:30 • (MS) R4344214-4 03/05/26 22:36 • (MSD) R4344214-5 03/05/26 22:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	ND	0.0467	0.0492	93.2	98.1	1	75.0-125			5.10	20
Antimony	0.0500	ND	0.0509	0.0540	102	108	1	75.0-125			5.91	20
Selenium	0.0500	ND	0.0497	0.0539	98.3	107	1	75.0-125			8.01	20
Thallium	0.0500	ND	0.0479	0.0501	95.9	100	1	75.0-125			4.53	20

Method Blank (MB)

(MB) R4344973-2 03/06/26 14:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	0.00200	J	0.00200	0.00500
1,2-Dibromo-3-Chloropropane	ND		0.000520	0.00500
1,2-Dibromoethane	ND		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R4344973-1 03/06/26 13:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0500	100	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0500	0.0490	98.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0590	118	70.0-130	

Method Blank (MB)

(MB) R4345344-4 03/09/26 12:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.0379	0.100
1,1,1-Trichloroethane	ND		0.0369	0.100
1,1,2,2-Tetrachloroethane	ND		0.0278	0.100
1,1,2-Trichloroethane	ND		0.0239	0.100
1,1-Dichloroethane	ND		0.0196	0.100
1,1-Dichloroethene	ND		0.0242	0.100
1,2-Dichlorobenzene	ND		0.0170	0.200
1,2-Dichloroethane	ND		0.0260	0.100
1,2-Dichloropropane	ND		0.0568	0.200
1,4-Dichlorobenzene	ND		0.0280	0.200
2-Butanone (MEK)	ND		2.54	4.00
2-Hexanone	ND		0.134	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0912	1.00
Acetone	ND		1.46	2.00
Acrylonitrile	ND		0.144	0.500
Benzene	ND		0.0187	0.0400
Bromochloromethane	ND		0.0226	0.200
Bromodichloromethane	ND		0.0290	0.100
Bromoform	ND		0.0468	0.500
Bromomethane	ND		0.0788	0.500
Carbon disulfide	ND		0.0280	0.500
Carbon tetrachloride	ND		0.0359	0.200
Chlorobenzene	ND		0.00840	0.100
Chloroethane	ND		0.0680	0.200
Chloroform	0.0840	J	0.0412	0.100
Chloromethane	ND		0.174	0.500
Dibromochloromethane	ND		0.0245	0.100
Dibromomethane	ND		0.0300	0.200
Ethylbenzene	ND		0.0295	0.100
Iodomethane	ND		0.0928	0.500
Methylene Chloride	ND		0.266	1.00
Styrene	ND		0.00916	0.500
Tetrachloroethene	ND		0.0358	0.100
Toluene	ND		0.0520	0.200
Trichloroethene	ND		0.0234	0.0400
Trichlorofluoromethane	ND		0.0331	0.100
Vinyl acetate	ND		0.102	0.500
Vinyl chloride	ND		0.0462	0.0500
Xylenes, Total	ND		0.0352	0.260
cis-1,2-Dichloroethene	ND		0.0294	0.100

Method Blank (MB)

(MB) R4345344-4 03/09/26 12:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,3-Dichloropropene	ND		0.0303	0.100
trans-1,2-Dichloroethene	ND		0.0416	0.200
trans-1,3-Dichloropropene	ND		0.0456	0.200
trans-1,4-Dichloro-2-butene	ND		0.0744	0.200
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*
(S) Toluene-d8	*96.4*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4345344-1 03/09/26 10:12 • (LCSD) R4345344-2 03/09/26 10:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	10.0	9.51	10.3	95.1	103	74.0-129			7.98	20
1,1,1-Trichloroethane	10.0	11.1	12.2	111	122	69.0-126			9.44	20
1,1,2,2-Tetrachloroethane	10.0	7.78	8.48	77.8	84.8	68.0-128			8.61	20
1,1,2-Trichloroethane	10.0	8.70	9.30	87.0	93.0	78.0-123			6.67	20
1,1-Dichloroethane	10.0	9.80	10.5	98.0	105	70.0-127			6.90	20
1,1-Dichloroethene	10.0	11.0	11.9	110	119	65.0-131			7.86	20
1,2-Dichlorobenzene	10.0	9.13	9.92	91.3	99.2	76.0-124			8.29	20
1,2-Dichloroethane	10.0	9.87	10.5	98.7	105	65.0-131			6.19	20
1,2-Dichloropropane	10.0	9.49	10.0	94.9	100	74.0-125			5.23	20
1,4-Dichlorobenzene	10.0	9.09	9.78	90.9	97.8	77.0-121			7.31	20
2-Butanone (MEK)	50.0	47.7	54.2	95.4	108	30.0-160			12.8	24
2-Hexanone	50.0	41.4	47.8	82.8	95.6	54.0-147			14.3	20
4-Methyl-2-pentanone (MIBK)	50.0	37.7	42.3	75.4	84.6	56.0-143			11.5	20
Acetone	50.0	52.9	58.9	106	118	10.0-160			10.7	31
Acrylonitrile	50.0	44.7	45.8	89.4	91.6	45.0-153			2.43	22
Benzene	10.0	9.59	10.2	95.9	102	70.0-123			6.16	20
Bromochloromethane	10.0	9.39	9.65	93.9	96.5	77.0-128			2.73	20
Bromodichloromethane	10.0	9.68	10.5	96.8	105	73.0-121			8.13	20
Bromoform	10.0	8.10	8.58	81.0	85.8	64.0-132			5.76	20
Bromomethane	10.0	9.72	11.5	97.2	115	56.0-147			16.8	20
Carbon disulfide	10.0	9.51	10.6	95.1	106	56.0-133			10.8	20
Carbon tetrachloride	10.0	10.6	11.8	106	118	66.0-128			10.7	20
Chlorobenzene	10.0	9.08	9.78	90.8	97.8	76.0-128			7.42	20
Chloroethane	10.0	10.1	10.7	101	107	61.0-134			5.77	20
Chloroform	10.0	9.25	9.74	92.5	97.4	72.0-123			5.16	20
Chloromethane	10.0	10.4	10.6	104	106	51.0-138			1.90	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4345344-1 03/09/26 10:12 • (LCSD) R4345344-2 03/09/26 10:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibromochloromethane	10.0	8.71	9.50	87.1	95.0	74.0-127			8.68	20
Dibromomethane	10.0	9.42	9.75	94.2	97.5	75.0-122			3.44	20
Ethylbenzene	10.0	9.17	10.0	91.7	100	74.0-126			8.66	20
Iodomethane	50.0	55.1	60.0	110	120	74.0-134			8.51	20
Methylene Chloride	10.0	8.96	9.46	89.6	94.6	68.0-123			5.43	20
Styrene	10.0	8.84	9.82	88.4	98.2	72.0-127			10.5	20
Tetrachloroethene	10.0	9.89	10.9	98.9	109	70.0-136			9.72	20
Toluene	10.0	8.78	9.58	87.8	95.8	75.0-121			8.71	20
Trichloroethene	10.0	9.34	10.3	93.4	103	76.0-126			9.78	20
Trichlorofluoromethane	10.0	10.6	11.3	106	113	61.0-142			6.39	20
Vinyl acetate	50.0	60.8	60.9	122	122	43.0-159			0.164	20
Vinyl chloride	10.0	9.82	11.0	98.2	110	63.0-134			11.3	20
Xylenes, Total	30.0	27.7	30.0	92.3	100	72.0-127			7.97	20
cis-1,2-Dichloroethene	10.0	9.04	10.3	90.4	103	73.0-125			13.0	20
cis-1,3-Dichloropropene	10.0	9.26	10.0	92.6	100	76.0-127			7.68	20
trans-1,2-Dichloroethene	10.0	9.66	10.7	96.6	107	71.0-125			10.2	20
trans-1,3-Dichloropropene	10.0	8.62	9.24	86.2	92.4	73.0-127			6.94	20
trans-1,4-Dichloro-2-butene	10.0	7.54	8.83	75.4	88.3	45.0-143			15.8	20
(S) 1,2-Dichloroethane-d4				*115*	*115*	*70.0-130*				
(S) Toluene-d8				*95.8*	*95.1*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*98.4*	*67.0-138*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
MW-41A Background

City/State Collected: **Spirit Lake, Iowa**

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00012

Collected by (print):
Nick Martinka

Site/Facility ID #
IA01

P.O. #

Collected by (signature):
Nk Mtka

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 250mlHDPE-HNO3	TSS 1L-HDPE NoPres	V524LL 40mlAmb-AscAcid+HCl	V524LL 40mlAmb-HCl-Blk	V8260ULLC 40mlAmb-HCl	V8260ULLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-41A		GW		3Mar26	1009	8	X	X	X		X			-01
TRIP BLANK		GW		3Mar26	0800	4				X		X		-02

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1950185

Ta H189

Acctnum: **WMDICIA**

Template: **T280596**

Prelogin: **P1183045**

PM: **3564 - Chad A Upchurch**

PB: 10/8/25 mV

Shipped Via: **FedEx Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4718 2724 9400

Sample Receipt Checklist

COC Seal Present/Intact:	NP ✓	Y N
COC Signed/Accurate:		✓ Y N
Bottles arrive intact:		✓ Y N
Correct bottles used:		✓ Y N
Sufficient volume sent:		✓ Y N
If Applicable		
VOA Zero Headspace:		✓ Y N
Preservation Correct/Checked:		✓ Y N
RAD Screen <0.5 mR/hr:		✓ Y N

Relinquished by : (Signature) Nk Mtka	Date: 3Mar26	Time: 1237	Received by: (Signature)	Trip Blank Received: (Yes) No (HCL / MeoH) TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 8 If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/4/26 Time: 0830 Hold: Condition: NCF / (OK)

Temp: TUB 04 TOT 04

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.: —

Sample Point: MW-41A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L1950185

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
03/03/26	1000	:09	1.4	1.5	3.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: D

A-Teflon, B-Stainless Steel, C-PVC, (D)-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1483.22 (ft/msl)

Depth to Water (DTW) (from TOC): 23.77 (ft)

Groundwater Elevation (site datum, from TOC): 1459.65 (ft/msl)

Total Well Depth (from TOC): 32.57 (ft)

Stick Up (from ground elevation): — (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1003	0.5	1st	6.94	1st	118		1.09	197	5.4	91.1	26.1
1006		2nd	6.96	2nd	118		1.09	220	5.2	88.1	27.1
1009		3rd	6.91	3rd	118		1.08	280	3.9	85.2	Below Pump
		4th		4th							
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
03/03/26	6.91	118	1.08	280	3.9	85.2	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Sl. cloudy — Odor: none — Color: Sl. tan — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: SE-5 — Outlook: Cloudy/36° — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

*almost goes dry but was able to stabilize

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/03/26	NM	[signature]	MVTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

ANALYTICAL REPORT

May 07, 2026

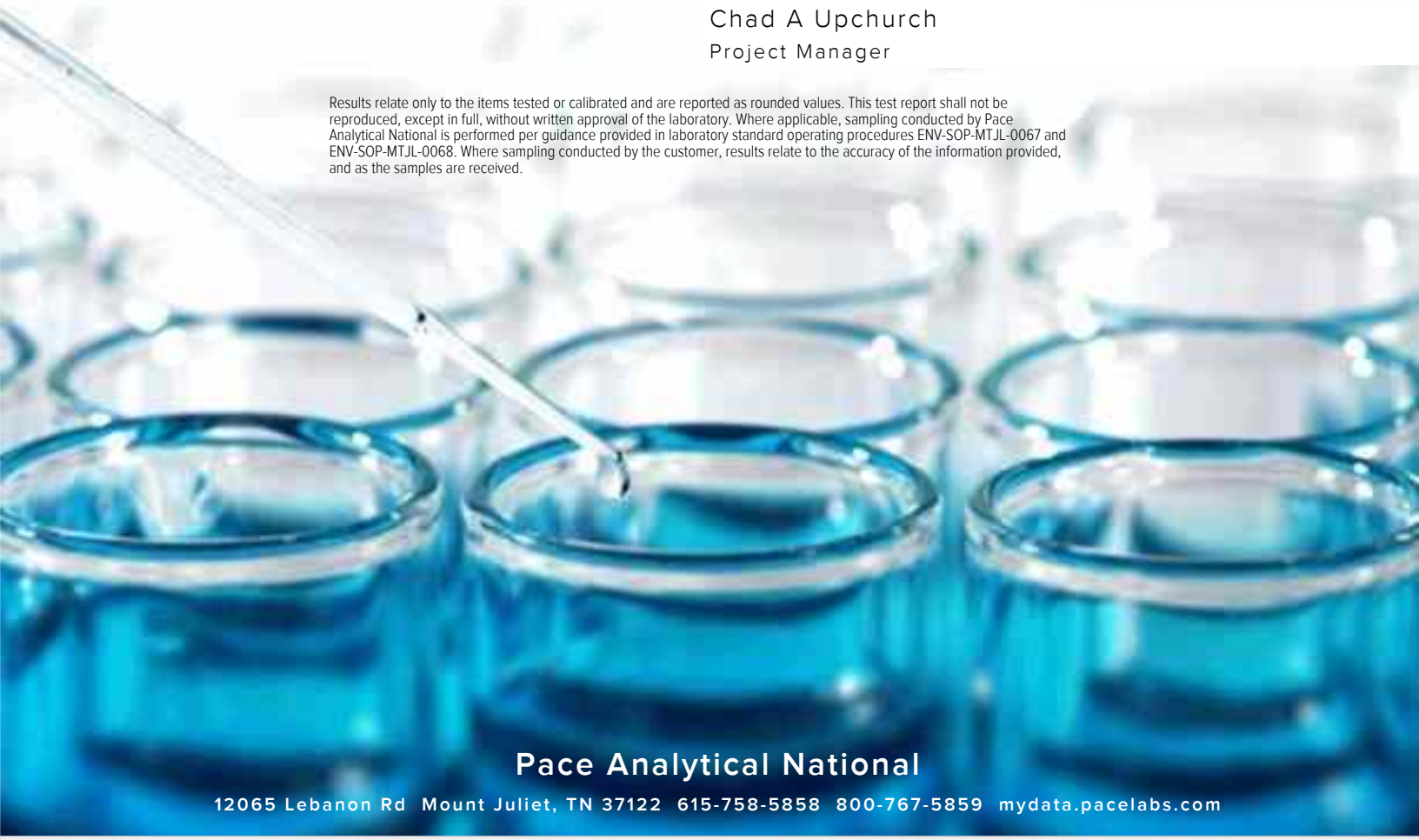
Dickinson Landfill

Sample Delivery Group:	L1964382
Samples Received:	04/16/2026
Project Number:	200
Description:	MW-41A Background
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-41A L1964382-01

Collected by: Dylan S.
Collected date/time: 04/15/26 10:21
Received date/time: 04/16/26 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2735641	1	04/17/26 12:12	04/17/26 13:04	BDC	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2735661	1	04/21/26 17:23	04/22/26 23:28	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2735682	1	04/20/26 11:19	04/21/26 01:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2737042	1	04/20/26 12:38	04/20/26 12:38	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2737700	1	04/22/26 02:48	04/22/26 02:48	JBE	Mt. Juliet, TN

TRIP BLANK L1964382-02

Collected by: Dylan S.
Collected date/time: 04/15/26 08:00
Received date/time: 04/16/26 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2737042	1	04/20/26 12:17	04/20/26 12:17	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2737700	1	04/22/26 01:49	04/22/26 01:49	JBE	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Metals (ICPMS) by Method 6020A

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2735682	(MS) R4363516-4, (MSD) R4363516-5	Selenium

Volatile Organic Compounds (GC/MS) by Method 8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2737700	L1964382-01	Bromoform
WG2737700	L1964382-02	Bromoform

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2737700	(LCSD) R4364308-2, L1964382-01, 02	Acetone

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2737700	(LCSD) R4364308-2, L1964382-01, 02	Vinyl acetate

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	20.91	ftmsl
pH (On Site)	7.05	su
Specific Conductance (on site)	1401	umhos/cm
Temperature (on-site)	10.1	Deg. C
Turbidity (on-site)	178.8	NTU
Dissolved Oxygen (on-site)	4.5	mg/l
eH/ORP (On Site)	163.7	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	90.5		2.50	1	04/17/2026 13:04	WG2735641

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	04/22/2026 23:28	WG2735661
Arsenic	ND		0.0100	1	04/22/2026 23:28	WG2735661
Barium	0.0855		0.0200	1	04/22/2026 23:28	WG2735661
Beryllium	ND		0.00400	1	04/22/2026 23:28	WG2735661
Cadmium	ND		0.00500	1	04/22/2026 23:28	WG2735661
Chromium	ND		0.0100	1	04/22/2026 23:28	WG2735661
Copper	ND		0.0100	1	04/22/2026 23:28	WG2735661
Nickel	ND		0.0100	1	04/22/2026 23:28	WG2735661
Lead	ND		0.0100	1	04/22/2026 23:28	WG2735661
Vanadium	ND		0.0200	1	04/22/2026 23:28	WG2735661
Zinc	ND		0.0500	1	04/22/2026 23:28	WG2735661

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	0.00246		0.00200	1	04/21/2026 01:15	WG2735682
Antimony	ND		0.00600	1	04/21/2026 01:15	WG2735682
Selenium	ND		0.0100	1	04/21/2026 01:15	WG2735682
Thallium	ND		0.00200	1	04/21/2026 01:15	WG2735682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/22/2026 02:48	WG2737700
1,2,3-Trichloropropane	ND		0.00580	1	04/20/2026 12:38	WG2737042
1,1,1-Trichloroethane	ND		1.00	1	04/22/2026 02:48	WG2737700
1,2-Dibromo-3-Chloropropane	ND		0.200	1	04/20/2026 12:38	WG2737042
1,1,2,2-Tetrachloroethane	ND		0.300	1	04/22/2026 02:48	WG2737700
1,2-Dibromoethane	ND		0.0500	1	04/20/2026 12:38	WG2737042
1,1,2-Trichloroethane	ND		1.00	1	04/22/2026 02:48	WG2737700
1,1-Dichloroethane	ND		1.00	1	04/22/2026 02:48	WG2737700
1,1-Dichloroethene	ND		1.00	1	04/22/2026 02:48	WG2737700
1,2-Dichlorobenzene	ND		1.00	1	04/22/2026 02:48	WG2737700
1,2-Dichloroethane	ND		1.00	1	04/22/2026 02:48	WG2737700
1,2-Dichloropropane	ND		1.00	1	04/22/2026 02:48	WG2737700
1,4-Dichlorobenzene	ND		1.00	1	04/22/2026 02:48	WG2737700
2-Butanone (MEK)	ND		10.0	1	04/22/2026 02:48	WG2737700
2-Hexanone	ND		5.00	1	04/22/2026 02:48	WG2737700

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/22/2026 02:48	WG2737700
Acetone	ND	J4	25.0	1	04/22/2026 02:48	WG2737700
Acrylonitrile	ND		0.320	1	04/22/2026 02:48	WG2737700
Benzene	ND		1.00	1	04/22/2026 02:48	WG2737700
Bromochloromethane	ND		1.00	1	04/22/2026 02:48	WG2737700
Bromodichloromethane	ND		1.00	1	04/22/2026 02:48	WG2737700
Bromoform	ND	C3	1.00	1	04/22/2026 02:48	WG2737700
Bromomethane	ND		2.50	1	04/22/2026 02:48	WG2737700
Carbon disulfide	ND		1.00	1	04/22/2026 02:48	WG2737700
Carbon tetrachloride	ND		1.00	1	04/22/2026 02:48	WG2737700
Chlorobenzene	ND		1.00	1	04/22/2026 02:48	WG2737700
Chloroethane	ND		2.50	1	04/22/2026 02:48	WG2737700
Chloroform	ND		1.00	1	04/22/2026 02:48	WG2737700
Chloromethane	ND		1.25	1	04/22/2026 02:48	WG2737700
Dibromochloromethane	ND		1.00	1	04/22/2026 02:48	WG2737700
Dibromomethane	ND		1.00	1	04/22/2026 02:48	WG2737700
Ethylbenzene	ND		1.00	1	04/22/2026 02:48	WG2737700
Iodomethane	ND		10.0	1	04/22/2026 02:48	WG2737700
Methylene Chloride	ND		2.50	1	04/22/2026 02:48	WG2737700
Styrene	ND		1.00	1	04/22/2026 02:48	WG2737700
Tetrachloroethene	ND		1.00	1	04/22/2026 02:48	WG2737700
Toluene	ND		1.00	1	04/22/2026 02:48	WG2737700
Trichloroethene	ND		1.00	1	04/22/2026 02:48	WG2737700
Trichlorofluoromethane	ND		2.50	1	04/22/2026 02:48	WG2737700
Vinyl acetate	ND	J3	5.00	1	04/22/2026 02:48	WG2737700
Vinyl chloride	ND		1.00	1	04/22/2026 02:48	WG2737700
Xylenes, Total	ND		3.00	1	04/22/2026 02:48	WG2737700
cis-1,2-Dichloroethene	ND		1.00	1	04/22/2026 02:48	WG2737700
cis-1,3-Dichloropropene	ND		1.00	1	04/22/2026 02:48	WG2737700
trans-1,2-Dichloroethene	ND		1.00	1	04/22/2026 02:48	WG2737700
trans-1,3-Dichloropropene	ND		1.00	1	04/22/2026 02:48	WG2737700
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/22/2026 02:48	WG2737700
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*04/22/2026 02:48*	WG2737700
(S) Toluene-d8	*95.9*			*75.0-131*	*04/22/2026 02:48*	WG2737700
(S) 4-Bromofluorobenzene	*92.1*			*67.0-138*	*04/22/2026 02:48*	WG2737700

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/22/2026 01:49	WG2737700
1,2,3-Trichloropropane	ND		0.00580	1	04/20/2026 12:17	WG2737042
1,1,1-Trichloroethane	ND		1.00	1	04/22/2026 01:49	WG2737700
1,2-Dibromo-3-Chloropropane	ND		0.200	1	04/20/2026 12:17	WG2737042
1,1,2,2-Tetrachloroethane	ND		0.300	1	04/22/2026 01:49	WG2737700
1,2-Dibromoethane	ND		0.0500	1	04/20/2026 12:17	WG2737042
1,1,2-Trichloroethane	ND		1.00	1	04/22/2026 01:49	WG2737700
1,1-Dichloroethane	ND		1.00	1	04/22/2026 01:49	WG2737700
1,1-Dichloroethene	ND		1.00	1	04/22/2026 01:49	WG2737700
1,2-Dichlorobenzene	ND		1.00	1	04/22/2026 01:49	WG2737700
1,2-Dichloroethane	ND		1.00	1	04/22/2026 01:49	WG2737700
1,2-Dichloropropane	ND		1.00	1	04/22/2026 01:49	WG2737700
1,4-Dichlorobenzene	ND		1.00	1	04/22/2026 01:49	WG2737700
2-Butanone (MEK)	ND		10.0	1	04/22/2026 01:49	WG2737700
2-Hexanone	ND		5.00	1	04/22/2026 01:49	WG2737700
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/22/2026 01:49	WG2737700
Acetone	ND	J4	25.0	1	04/22/2026 01:49	WG2737700
Acrylonitrile	ND		0.320	1	04/22/2026 01:49	WG2737700
Benzene	ND		1.00	1	04/22/2026 01:49	WG2737700
Bromochloromethane	ND		1.00	1	04/22/2026 01:49	WG2737700
Bromodichloromethane	ND		1.00	1	04/22/2026 01:49	WG2737700
Bromoform	ND	C3	1.00	1	04/22/2026 01:49	WG2737700
Bromomethane	ND		2.50	1	04/22/2026 01:49	WG2737700
Carbon disulfide	ND		1.00	1	04/22/2026 01:49	WG2737700
Carbon tetrachloride	ND		1.00	1	04/22/2026 01:49	WG2737700
Chlorobenzene	ND		1.00	1	04/22/2026 01:49	WG2737700
Chloroethane	ND		2.50	1	04/22/2026 01:49	WG2737700
Chloroform	ND		1.00	1	04/22/2026 01:49	WG2737700
Chloromethane	ND		1.25	1	04/22/2026 01:49	WG2737700
Dibromochloromethane	ND		1.00	1	04/22/2026 01:49	WG2737700
Dibromomethane	ND		1.00	1	04/22/2026 01:49	WG2737700
Ethylbenzene	ND		1.00	1	04/22/2026 01:49	WG2737700
Iodomethane	ND		10.0	1	04/22/2026 01:49	WG2737700
Methylene Chloride	ND		2.50	1	04/22/2026 01:49	WG2737700
Styrene	ND		1.00	1	04/22/2026 01:49	WG2737700
Tetrachloroethene	ND		1.00	1	04/22/2026 01:49	WG2737700
Toluene	ND		1.00	1	04/22/2026 01:49	WG2737700
Trichloroethene	ND		1.00	1	04/22/2026 01:49	WG2737700
Trichlorofluoromethane	ND		2.50	1	04/22/2026 01:49	WG2737700
Vinyl acetate	ND	J3	5.00	1	04/22/2026 01:49	WG2737700
Vinyl chloride	ND		1.00	1	04/22/2026 01:49	WG2737700
Xylenes, Total	ND		3.00	1	04/22/2026 01:49	WG2737700
cis-1,2-Dichloroethene	ND		1.00	1	04/22/2026 01:49	WG2737700
cis-1,3-Dichloropropene	ND		1.00	1	04/22/2026 01:49	WG2737700
trans-1,2-Dichloroethene	ND		1.00	1	04/22/2026 01:49	WG2737700
trans-1,3-Dichloropropene	ND		1.00	1	04/22/2026 01:49	WG2737700
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/22/2026 01:49	WG2737700
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*	*04/22/2026 01:49*	WG2737700
(S) Toluene-d8	*104*			*75.0-131*	*04/22/2026 01:49*	WG2737700
(S) 4-Bromofluorobenzene	*92.3*			*67.0-138*	*04/22/2026 01:49*	WG2737700

Method Blank (MB)

(MB) R4362886-1 04/17/26 13:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1964382-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1964382-01 04/17/26 13:04 • (DUP) R4362886-3 04/17/26 13:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	90.5	88.5	1	2.23		10

L1964439-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1964439-01 04/17/26 13:04 • (DUP) R4362886-4 04/17/26 13:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	114	112	1	1.77		10

Laboratory Control Sample (LCS)

(LCS) R4362886-2 04/17/26 13:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	808	105	85.0-115	

Method Blank (MB)

(MB) R4364745-1 04/22/26 22:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Nickel	ND		0.00490	0.0100
Lead	ND		0.00190	0.00500
Vanadium	0.00285	J	0.00240	0.0200
Zinc	ND		0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4364745-2 04/22/26 22:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.180	90.2	80.0-120	
Arsenic	1.00	0.879	87.9	80.0-120	
Barium	1.00	0.948	94.8	80.0-120	
Beryllium	1.00	0.959	95.9	80.0-120	
Cadmium	1.00	0.901	90.1	80.0-120	
Chromium	1.00	0.960	96.0	80.0-120	
Copper	1.00	0.933	93.3	80.0-120	
Nickel	1.00	0.862	86.2	80.0-120	
Lead	1.00	0.873	87.3	80.0-120	
Vanadium	1.00	0.935	93.5	80.0-120	
Zinc	1.00	0.895	89.5	80.0-120	

L1964341-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1964341-01 04/22/26 22:48 • (MS) R4364745-4 04/22/26 22:53 • (MSD) R4364745-5 04/22/26 22:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.185	0.182	92.4	91.2	1	75.0-125			1.23	20
Arsenic	1.00	ND	0.909	0.893	90.9	89.3	1	75.0-125			1.78	20
Barium	1.00	0.0298	0.989	0.981	95.9	95.1	1	75.0-125			0.817	20
Beryllium	1.00	ND	0.972	0.963	97.1	96.2	1	75.0-125			0.936	20
Cadmium	1.00	ND	0.921	0.909	92.1	90.9	1	75.0-125			1.30	20

L1964341-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1964341-01 04/22/26 22:48 • (MS) R4364745-4 04/22/26 22:53 • (MSD) R4364745-5 04/22/26 22:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	1.00	ND	0.969	0.953	96.9	95.3	1	75.0-125			1.60	20
Copper	1.00	ND	0.946	0.936	94.6	93.6	1	75.0-125			1.06	20
Nickel	1.00	ND	0.884	0.875	87.7	86.8	1	75.0-125			0.994	20
Lead	1.00	ND	0.893	0.883	89.3	88.3	1	75.0-125			1.06	20
Vanadium	1.00	ND	0.951	0.945	95.1	94.5	1	75.0-125			0.694	20
Zinc	1.00	ND	0.924	0.911	90.7	89.5	1	75.0-125			1.34	20

Method Blank (MB)

(MB) R4363516-1 04/20/26 22:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	ND		0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4363516-2 04/20/26 22:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0501	100	80.0-120	
Antimony	0.0500	0.0486	97.3	80.0-120	
Selenium	0.0500	0.0484	96.7	80.0-120	
Thallium	0.0500	0.0450	90.1	80.0-120	

L1964216-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1964216-09 04/20/26 22:57 • (MS) R4363516-4 04/20/26 23:03 • (MSD) R4363516-5 04/20/26 23:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	0.0597	0.0997	0.101	80.2	82.6	10	75.0-125			1.21	20
Antimony	0.0500	ND	0.0530	0.0504	106	101	10	75.0-125			5.03	20
Selenium	0.0500	0.228	0.249	0.248	41.7	39.1	10	75.0-125	V	V	0.514	20
Thallium	0.0500	ND	0.0437	0.0438	87.3	87.6	10	75.0-125			0.308	20

Method Blank (MB)

(MB) R4363612-2 04/20/26 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	ND		0.00200	0.00500
1,2-Dibromo-3-Chloropropane	ND		0.000520	0.00500
1,2-Dibromoethane	ND		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R4363612-1 04/20/26 11:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0430	86.0	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0500	0.0460	92.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0550	110	70.0-130	

Method Blank (MB)

(MB) R4364308-3 04/22/26 00:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.0379	0.100
1,1,1-Trichloroethane	ND		0.0369	0.100
1,1,2,2-Tetrachloroethane	ND		0.0278	0.100
1,1,2-Trichloroethane	ND		0.0239	0.100
1,1-Dichloroethane	ND		0.0196	0.100
1,1-Dichloroethene	ND		0.0242	0.100
1,2-Dichlorobenzene	ND		0.0170	0.200
1,2-Dichloroethane	ND		0.0260	0.100
1,2-Dichloropropane	ND		0.0568	0.200
1,4-Dichlorobenzene	ND		0.0280	0.200
2-Butanone (MEK)	ND		2.54	4.00
2-Hexanone	ND		0.134	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0912	1.00
Acetone	ND		1.46	2.00
Acrylonitrile	ND		0.144	0.500
Benzene	ND		0.0187	0.0400
Bromochloromethane	ND		0.0226	0.200
Bromodichloromethane	ND		0.0290	0.100
Bromoform	ND		0.0468	0.500
Bromomethane	ND		0.0788	0.500
Carbon disulfide	ND		0.0280	0.500
Carbon tetrachloride	ND		0.0359	0.200
Chlorobenzene	ND		0.00840	0.100
Chloroethane	ND		0.0680	0.200
Chloroform	0.142		0.0412	0.100
Chloromethane	ND		0.174	0.500
Dibromochloromethane	ND		0.0245	0.100
Dibromomethane	ND		0.0300	0.200
Ethylbenzene	ND		0.0295	0.100
Iodomethane	ND		0.0928	0.500
Methylene Chloride	ND		0.266	1.00
Styrene	ND		0.00916	0.500
Tetrachloroethene	ND		0.0358	0.100
Toluene	ND		0.0520	0.200
Trichloroethene	ND		0.0234	0.0400
Trichlorofluoromethane	ND		0.0331	0.100
Vinyl acetate	ND		0.102	0.500
Vinyl chloride	ND		0.0462	0.0500
Xylenes, Total	ND		0.0352	0.260
cis-1,2-Dichloroethene	ND		0.0294	0.100

Method Blank (MB)

(MB) R4364308-3 04/22/26 00:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,3-Dichloropropene	ND		0.0303	0.100
trans-1,2-Dichloroethene	ND		0.0416	0.200
trans-1,3-Dichloropropene	ND		0.0456	0.200
trans-1,4-Dichloro-2-butene	ND		0.0744	0.200
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*
(S) Toluene-d8	*94.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4364308-1 04/21/26 22:10 • (LCSD) R4364308-2 04/21/26 22:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	10.0	9.57	9.20	95.7	92.0	74.0-129			3.94	20
1,1,1-Trichloroethane	10.0	11.0	10.6	110	106	69.0-126			3.70	20
1,1,2,2-Tetrachloroethane	10.0	9.44	9.00	94.4	90.0	68.0-128			4.77	20
1,1,2-Trichloroethane	10.0	8.61	8.52	86.1	85.2	78.0-123			1.05	20
1,1-Dichloroethane	10.0	9.97	9.62	99.7	96.2	70.0-127			3.57	20
1,1-Dichloroethene	10.0	11.6	11.0	116	110	65.0-131			5.31	20
1,2-Dichlorobenzene	10.0	9.07	8.26	90.7	82.6	76.0-124			9.35	20
1,2-Dichloroethane	10.0	9.79	9.17	97.9	91.7	65.0-131			6.54	20
1,2-Dichloropropane	10.0	10.4	9.90	104	99.0	74.0-125			4.93	20
1,4-Dichlorobenzene	10.0	8.59	8.23	85.9	82.3	77.0-121			4.28	20
2-Butanone (MEK)	50.0	58.6	59.4	117	119	30.0-160			1.36	24
2-Hexanone	50.0	42.6	45.6	85.2	91.2	54.0-147			6.80	20
4-Methyl-2-pentanone (MIBK)	50.0	51.0	49.6	102	99.2	56.0-143			2.78	20
Acetone	50.0	79.2	83.7	158	167	10.0-160		J4	5.52	31
Acrylonitrile	50.0	48.5	45.0	97.0	90.0	45.0-153			7.49	22
Benzene	10.0	9.59	9.25	95.9	92.5	70.0-123			3.61	20
Bromochloromethane	10.0	9.39	9.06	93.9	90.6	77.0-128			3.58	20
Bromodichloromethane	10.0	10.4	9.78	104	97.8	73.0-121			6.14	20
Bromoform	10.0	7.92	7.79	79.2	77.9	64.0-132			1.65	20
Bromomethane	10.0	9.63	9.58	96.3	95.8	56.0-147			0.521	20
Carbon disulfide	10.0	10.7	9.99	107	99.9	56.0-133			6.86	20
Carbon tetrachloride	10.0	11.2	10.4	112	104	66.0-128			7.41	20
Chlorobenzene	10.0	8.84	8.67	88.4	86.7	76.0-128			1.94	20
Chloroethane	10.0	11.3	10.5	113	105	61.0-134			7.34	20
Chloroform	10.0	10.3	9.76	103	97.6	72.0-123			5.38	20
Chloromethane	10.0	11.2	10.6	112	106	51.0-138			5.50	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4364308-1 04/21/26 22:10 • (LCSD) R4364308-2 04/21/26 22:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibromochloromethane	10.0	9.19	9.04	91.9	90.4	74.0-127			1.65	20
Dibromomethane	10.0	10.2	9.34	102	93.4	75.0-122			8.80	20
Ethylbenzene	10.0	8.34	8.03	83.4	80.3	74.0-126			3.79	20
Iodomethane	50.0	55.2	54.8	110	110	74.0-134			0.727	20
Methylene Chloride	10.0	10.9	10.0	109	100	68.0-123			8.61	20
Styrene	10.0	9.22	9.04	92.2	90.4	72.0-127			1.97	20
Tetrachloroethene	10.0	8.66	8.19	86.6	81.9	70.0-136			5.58	20
Toluene	10.0	8.77	8.52	87.7	85.2	75.0-121			2.89	20
Trichloroethene	10.0	10.0	9.72	100	97.2	76.0-126			2.84	20
Trichlorofluoromethane	10.0	12.0	11.3	120	113	61.0-142			6.01	20
Vinyl acetate	50.0	46.9	34.1	93.8	68.2	43.0-159		J3	31.6	20
Vinyl chloride	10.0	11.2	10.8	112	108	63.0-134			3.64	20
Xylenes, Total	30.0	26.4	25.7	88.0	85.7	72.0-127			2.69	20
cis-1,2-Dichloroethene	10.0	9.49	9.13	94.9	91.3	73.0-125			3.87	20
cis-1,3-Dichloropropene	10.0	9.87	9.60	98.7	96.0	76.0-127			2.77	20
trans-1,2-Dichloroethene	10.0	9.51	8.99	95.1	89.9	71.0-125			5.62	20
trans-1,3-Dichloropropene	10.0	9.63	9.32	96.3	93.2	73.0-127			3.27	20
trans-1,4-Dichloro-2-butene	10.0	8.80	8.81	88.0	88.1	45.0-143			0.114	20
(S) 1,2-Dichloroethane-d4				*110*	*109*	*70.0-130*				
(S) Toluene-d8				*94.8*	*95.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*101*	*67.0-138*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Pres Chk

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
MW-41A Background

City/State Collected: **Spirit Lake / IA**

Please Circle: PT MT (CT) ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00012

Collected by (print):
Dylan Schreckenberg

Site/Facility ID #
IA01

P.O. #

Collected by (signature):
Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 250mlHDPE-HNO3	TSS 1L-HDPE NoPres	V524LL 40mlAmb-AscAcid+HCl	V524LL 40mlAmb-HCl-Blk	V8260ULLC 40mlAmb-HCl	V8260ULLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-41A		GW		15Apr26	1021	8	X	X	X		X			-01
TRIP BLANK		GW		1	800	4				X		X		-02

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1964382

Ta H055

Acctnum: **WMDICIA**
Template: **T280596**
Prelogin: **P1201539**
PM: **3564 - Chad A Upchurch**
PB: 2-16-26

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7921 9377 9469

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: Y __N
Preservation Correct/Checked: Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Dylan Schreckenberg	15Apr26	1252		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 9
				TLAB 19+DT7.9
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			[illegible]	4/16/26 0945

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.:

Sample Point: MW-41A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: L1964382

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
04/15/26	10:00	:21	19	80	4.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1483.72 (ft/msl)

Depth to Water (DTW) (from TOC): 20.91 (ft)

Groundwater Elevation (site datum, from TOC): 1462.31 (ft/msl)

Total Well Depth (from TOC): 32.57 (ft)

Stick Up (from ground elevation): — (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:04	2.0 1st	6.85 1st	1414	10.2	60.8	5.2	174.4	24.3
10:08	4.0 2nd	6.95 2nd	1422	10.1	129.9	5.5	168.6	26.0
10:12	6.0 3rd	7.03 3rd	1423	10.1	192.1	5.3	165.3	27.3
10:16	8.0 4th	7.09 4th	1408	10.1	199.4	4.3	162.3	Below Pump
10:21	—	7.05	1401	10.1	178.8	4.5	163.7	Below Pump
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
04/15/26	7.05	1401	10.1	178.8	4.5	163.7	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Cloudy — Odor: Faint None — Color: Tan — Other: None

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE@7 — Outlook: 56°/Partly Cloudy — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
4/15/26	Dylan Scheckenberg	[signature]	MTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

ANALYTICAL REPORT

June 16, 2026

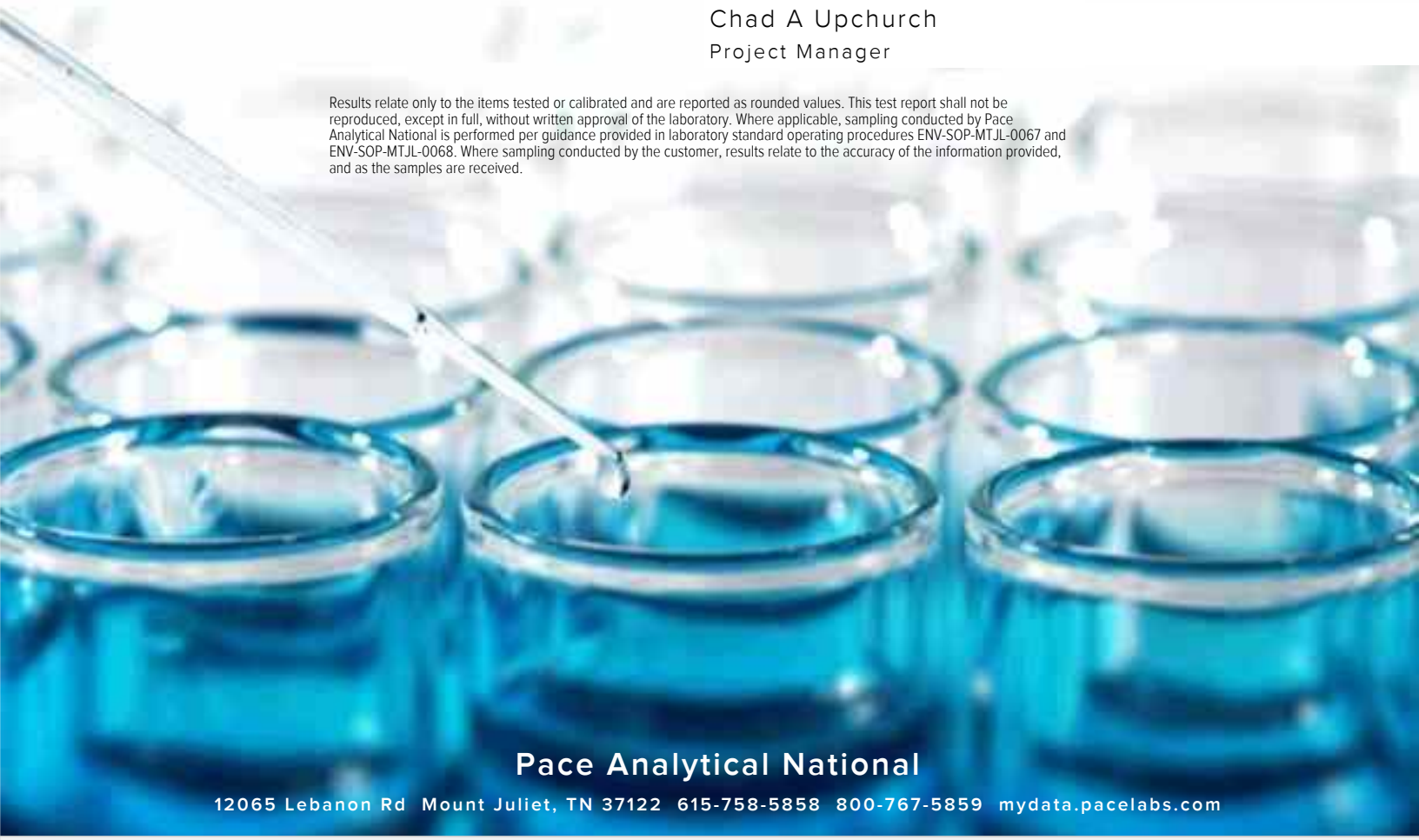
Dickinson Landfill

Sample Delivery Group:	L1978918
Samples Received:	05/28/2026
Project Number:	200
Description:	MW-41A Background
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-41A L1978918-01

Collected by: Dylan Schreckenberg
Collected date/time: 05/27/26 12:15
Received date/time: 05/28/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2763730	1	05/30/26 20:24	05/30/26 21:22	AMG	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2763666	1	06/04/26 10:15	06/04/26 15:09	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2764864	1	06/03/26 15:15	06/13/26 15:26	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 17:35	05/29/26 17:35	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 07:18	06/03/26 07:18	JAH	Mt. Juliet, TN

TRIP BLANK L1978918-02

Collected by: Dylan Schreckenberg
Collected date/time: 05/27/26 07:30
Received date/time: 05/28/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2763094	1	05/29/26 12:56	05/29/26 12:56	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2766215	1	06/03/26 04:18	06/03/26 04:18	JAH	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Volatile Organic Compounds (GC/MS) by Method 8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2766215	L1978918-01	Bromomethane and Vinyl acetate
WG2766215	L1978918-02	Bromomethane and Vinyl acetate

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2766215	(LCSD) R4382754-2, L1978918-01, 02	Acetone

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2766215	(LCSD) R4382754-2, L1978918-01, 02	Bromomethane and Iodomethane

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	19.54	ftmsl
pH (On Site)	7.31	su
Specific Conductance (on site)	1379	umhos/cm
Temperature (on-site)	10.7	Deg. C
Turbidity (on-site)	81.9	NTU
Dissolved Oxygen (on-site)	5	mg/l
eH/ORP (On Site)	109.9	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	113		2.50	1	05/30/2026 21:22	WG2763730

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	06/04/2026 15:09	WG2763666
Arsenic	ND		0.0100	1	06/04/2026 15:09	WG2763666
Barium	0.105		0.0200	1	06/04/2026 15:09	WG2763666
Beryllium	ND		0.00400	1	06/04/2026 15:09	WG2763666
Cadmium	ND		0.00500	1	06/04/2026 15:09	WG2763666
Chromium	ND		0.0100	1	06/04/2026 15:09	WG2763666
Copper	ND		0.0100	1	06/04/2026 15:09	WG2763666
Nickel	ND		0.0100	1	06/04/2026 15:09	WG2763666
Lead	ND		0.0100	1	06/04/2026 15:09	WG2763666
Vanadium	ND		0.0200	1	06/04/2026 15:09	WG2763666
Zinc	ND		0.0500	1	06/04/2026 15:09	WG2763666

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	0.00347		0.00200	1	06/13/2026 15:26	WG2764864
Antimony	ND		0.00600	1	06/13/2026 15:26	WG2764864
Selenium	ND		0.0100	1	06/13/2026 15:26	WG2764864
Thallium	ND		0.00200	1	06/13/2026 15:26	WG2764864

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 07:18	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 17:35	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 07:18	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 17:35	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 07:18	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 17:35	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 07:18	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 07:18	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 07:18	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 07:18	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 07:18	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 07:18	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 07:18	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 07:18	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 07:18	WG2766215

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 07:18	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 07:18	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 07:18	WG2766215
Benzene	ND		1.00	1	06/03/2026 07:18	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 07:18	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 07:18	WG2766215
Bromoform	ND		1.00	1	06/03/2026 07:18	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 07:18	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 07:18	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 07:18	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 07:18	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 07:18	WG2766215
Chloroform	ND		1.00	1	06/03/2026 07:18	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 07:18	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 07:18	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 07:18	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 07:18	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 07:18	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 07:18	WG2766215
Styrene	ND		1.00	1	06/03/2026 07:18	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 07:18	WG2766215
Toluene	1.49		1.00	1	06/03/2026 07:18	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 07:18	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 07:18	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 07:18	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 07:18	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 07:18	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 07:18	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 07:18	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 07:18	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 07:18	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 07:18	WG2766215
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*	*06/03/2026 07:18*	WG2766215
(S) Toluene-d8	*99.6*			*75.0-131*	*06/03/2026 07:18*	WG2766215
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*	*06/03/2026 07:18*	WG2766215

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/03/2026 04:18	WG2766215
1,2,3-Trichloropropane	ND		0.00580	1	05/29/2026 12:56	WG2763094
1,1,1-Trichloroethane	ND		1.00	1	06/03/2026 04:18	WG2766215
1,2-Dibromo-3-Chloropropane	ND		0.200	1	05/29/2026 12:56	WG2763094
1,1,2,2-Tetrachloroethane	ND		0.300	1	06/03/2026 04:18	WG2766215
1,2-Dibromoethane	ND		0.0500	1	05/29/2026 12:56	WG2763094
1,1,2-Trichloroethane	ND		1.00	1	06/03/2026 04:18	WG2766215
1,1-Dichloroethane	ND		1.00	1	06/03/2026 04:18	WG2766215
1,1-Dichloroethene	ND		1.00	1	06/03/2026 04:18	WG2766215
1,2-Dichlorobenzene	ND		1.00	1	06/03/2026 04:18	WG2766215
1,2-Dichloroethane	ND		1.00	1	06/03/2026 04:18	WG2766215
1,2-Dichloropropane	ND		1.00	1	06/03/2026 04:18	WG2766215
1,4-Dichlorobenzene	ND		1.00	1	06/03/2026 04:18	WG2766215
2-Butanone (MEK)	ND		10.0	1	06/03/2026 04:18	WG2766215
2-Hexanone	ND		5.00	1	06/03/2026 04:18	WG2766215
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	06/03/2026 04:18	WG2766215
Acetone	ND	J4	25.0	1	06/03/2026 04:18	WG2766215
Acrylonitrile	ND		0.320	1	06/03/2026 04:18	WG2766215
Benzene	ND		1.00	1	06/03/2026 04:18	WG2766215
Bromochloromethane	ND		1.00	1	06/03/2026 04:18	WG2766215
Bromodichloromethane	ND		1.00	1	06/03/2026 04:18	WG2766215
Bromoform	ND		1.00	1	06/03/2026 04:18	WG2766215
Bromomethane	ND	C3 J3	2.50	1	06/03/2026 04:18	WG2766215
Carbon disulfide	ND		1.00	1	06/03/2026 04:18	WG2766215
Carbon tetrachloride	ND		1.00	1	06/03/2026 04:18	WG2766215
Chlorobenzene	ND		1.00	1	06/03/2026 04:18	WG2766215
Chloroethane	ND		2.50	1	06/03/2026 04:18	WG2766215
Chloroform	ND		1.00	1	06/03/2026 04:18	WG2766215
Chloromethane	ND		1.25	1	06/03/2026 04:18	WG2766215
Dibromochloromethane	ND		1.00	1	06/03/2026 04:18	WG2766215
Dibromomethane	ND		1.00	1	06/03/2026 04:18	WG2766215
Ethylbenzene	ND		1.00	1	06/03/2026 04:18	WG2766215
Iodomethane	ND	J3	10.0	1	06/03/2026 04:18	WG2766215
Methylene Chloride	ND		2.50	1	06/03/2026 04:18	WG2766215
Styrene	ND		1.00	1	06/03/2026 04:18	WG2766215
Tetrachloroethene	ND		1.00	1	06/03/2026 04:18	WG2766215
Toluene	ND		1.00	1	06/03/2026 04:18	WG2766215
Trichloroethene	ND		1.00	1	06/03/2026 04:18	WG2766215
Trichlorofluoromethane	ND		2.50	1	06/03/2026 04:18	WG2766215
Vinyl acetate	ND	C3	5.00	1	06/03/2026 04:18	WG2766215
Vinyl chloride	ND		1.00	1	06/03/2026 04:18	WG2766215
Xylenes, Total	ND		3.00	1	06/03/2026 04:18	WG2766215
cis-1,2-Dichloroethene	ND		1.00	1	06/03/2026 04:18	WG2766215
cis-1,3-Dichloropropene	ND		1.00	1	06/03/2026 04:18	WG2766215
trans-1,2-Dichloroethene	ND		1.00	1	06/03/2026 04:18	WG2766215
trans-1,3-Dichloropropene	ND		1.00	1	06/03/2026 04:18	WG2766215
trans-1,4-Dichloro-2-butene	ND		1.00	1	06/03/2026 04:18	WG2766215
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*	*06/03/2026 04:18*	WG2766215
(S) Toluene-d8	*99.7*			*75.0-131*	*06/03/2026 04:18*	WG2766215
(S) 4-Bromofluorobenzene	*101*			*67.0-138*	*06/03/2026 04:18*	WG2766215

Method Blank (MB)

(MB) R4380769-1 05/30/26 21:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1978918-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1978918-01 05/30/26 21:22 • (DUP) R4380769-3 05/30/26 21:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	113	120	1	6.16		10

L1979051-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1979051-04 05/30/26 21:22 • (DUP) R4380769-4 05/30/26 21:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	48.8	48.0	1	1.65		10

Laboratory Control Sample (LCS)

(LCS) R4380769-2 05/30/26 21:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	810	105	85.0-115	

Method Blank (MB)

(MB) R4382974-1 06/04/26 14:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Nickel	ND		0.00490	0.0100
Lead	ND		0.00190	0.00500
Vanadium	ND		0.00240	0.0200
Zinc	0.0302	J	0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4382974-2 06/04/26 14:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.194	97.2	80.0-120	
Arsenic	1.00	0.937	93.7	80.0-120	
Barium	1.00	1.01	101	80.0-120	
Beryllium	1.00	0.936	93.6	80.0-120	
Cadmium	1.00	0.932	93.2	80.0-120	
Chromium	1.00	1.02	102	80.0-120	
Copper	1.00	0.958	95.8	80.0-120	
Nickel	1.00	0.936	93.6	80.0-120	
Lead	1.00	0.946	94.6	80.0-120	
Vanadium	1.00	0.904	90.4	80.0-120	
Zinc	1.00	0.971	97.1	80.0-120	

L1978673-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978673-01 06/04/26 14:07 • (MS) R4382974-4 06/04/26 14:12 • (MSD) R4382974-5 06/04/26 14:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.200	0.203	99.8	101	1	75.0-125			1.70	20
Arsenic	1.00	ND	0.962	0.982	96.2	98.2	1	75.0-125			2.01	20
Barium	1.00	ND	1.03	1.05	103	105	1	75.0-125			2.06	20
Beryllium	1.00	ND	0.964	0.963	96.4	96.3	1	75.0-125			0.116	20
Cadmium	1.00	ND	0.959	0.977	95.9	97.7	1	75.0-125			1.85	20

L1978673-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978673-01 06/04/26 14:07 • (MS) R4382974-4 06/04/26 14:12 • (MSD) R4382974-5 06/04/26 14:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	1.00	ND	1.04	1.06	104	106	1	75.0-125			2.34	20
Copper	1.00	ND	0.973	0.997	97.3	99.7	1	75.0-125			2.42	20
Nickel	1.00	ND	0.965	0.995	96.5	99.5	1	75.0-125			3.08	20
Lead	1.00	ND	0.975	0.998	97.5	99.8	1	75.0-125			2.34	20
Vanadium	1.00	ND	0.930	0.931	93.0	93.1	1	75.0-125			0.0185	20
Zinc	1.00	ND	0.993	1.02	99.3	102	1	75.0-125			2.56	20

Method Blank (MB)

(MB) R4386992-2 06/13/26 13:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	ND		0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4386992-3 06/13/26 13:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0544	109	80.0-120	
Antimony	0.0500	0.0502	100	80.0-120	
Selenium	0.0500	0.0524	105	80.0-120	
Thallium	0.0500	0.0505	101	80.0-120	

L1978731-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1978731-04 06/13/26 13:56 • (MS) R4386992-5 06/13/26 14:02 • (MSD) R4386992-6 06/13/26 14:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	ND	0.0544	0.0527	108	104	1	75.0-125			3.17	20
Antimony	0.0500	ND	0.0551	0.0536	110	107	1	75.0-125			2.65	20
Selenium	0.0500	ND	0.0537	0.0524	107	105	1	75.0-125			2.62	20
Thallium	0.0500	ND	0.0529	0.0496	106	99.1	1	75.0-125			6.48	20

Method Blank (MB)

(MB) R4380914-2 05/29/26 11:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	ND		0.00200	0.00500
1,2-Dibromo-3-Chloropropane	ND		0.000520	0.00500
1,2-Dibromoethane	ND		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R4380914-1 05/29/26 11:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0480	96.0	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0500	0.0630	126	70.0-130	
1,2-Dibromoethane	0.0500	0.0510	102	70.0-130	

Method Blank (MB)

(MB) R4382754-3 06/03/26 03:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.0379	0.100
1,1,1-Trichloroethane	ND		0.0369	0.100
1,1,2,2-Tetrachloroethane	ND		0.0278	0.100
1,1,2-Trichloroethane	ND		0.0239	0.100
1,1-Dichloroethane	ND		0.0196	0.100
1,1-Dichloroethene	ND		0.0242	0.100
1,2-Dichlorobenzene	ND		0.0170	0.200
1,2-Dichloroethane	ND		0.0260	0.100
1,2-Dichloropropane	ND		0.0568	0.200
1,4-Dichlorobenzene	ND		0.0280	0.200
2-Butanone (MEK)	ND		2.54	4.00
2-Hexanone	ND		0.134	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0912	1.00
Acetone	ND		1.46	2.00
Acrylonitrile	ND		0.144	0.500
Benzene	ND		0.0187	0.0400
Bromochloromethane	ND		0.0226	0.200
Bromodichloromethane	ND		0.0290	0.100
Bromoform	ND		0.0468	0.500
Bromomethane	ND		0.0788	0.500
Carbon disulfide	ND		0.0280	0.500
Carbon tetrachloride	ND		0.0359	0.200
Chlorobenzene	ND		0.00840	0.100
Chloroethane	ND		0.0680	0.200
Chloroform	0.114		0.0412	0.100
Chloromethane	ND		0.174	0.500
Dibromochloromethane	ND		0.0245	0.100
Dibromomethane	ND		0.0300	0.200
Ethylbenzene	ND		0.0295	0.100
Iodomethane	0.362	J	0.0928	0.500
Methylene Chloride	ND		0.266	1.00
Styrene	ND		0.00916	0.500
Tetrachloroethene	ND		0.0358	0.100
Toluene	ND		0.0520	0.200
Trichloroethene	ND		0.0234	0.0400
Trichlorofluoromethane	ND		0.0331	0.100
Vinyl acetate	ND		0.102	0.500
Vinyl chloride	ND		0.0462	0.0500
Xylenes, Total	ND		0.0352	0.260
cis-1,2-Dichloroethene	ND		0.0294	0.100

Method Blank (MB)

(MB) R4382754-3 06/03/26 03:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,3-Dichloropropene	ND		0.0303	0.100
trans-1,2-Dichloroethene	ND		0.0416	0.200
trans-1,3-Dichloropropene	ND		0.0456	0.200
trans-1,4-Dichloro-2-butene	ND		0.0744	0.200
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4382754-1 06/03/26 00:38 • (LCSD) R4382754-2 06/03/26 00:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	10.0	10.2	10.4	102	104	74.0-129			1.94	20
1,1,1-Trichloroethane	10.0	10.3	11.3	103	113	69.0-126			9.26	20
1,1,2,2-Tetrachloroethane	10.0	9.41	9.17	94.1	91.7	68.0-128			2.58	20
1,1,2-Trichloroethane	10.0	10.6	10.3	106	103	78.0-123			2.87	20
1,1-Dichloroethane	10.0	10.1	11.0	101	110	70.0-127			8.53	20
1,1-Dichloroethene	10.0	10.2	11.5	102	115	65.0-131			12.0	20
1,2-Dichlorobenzene	10.0	9.67	9.95	96.7	99.5	76.0-124			2.85	20
1,2-Dichloroethane	10.0	9.21	9.85	92.1	98.5	65.0-131			6.72	20
1,2-Dichloropropane	10.0	10.1	10.4	101	104	74.0-125			2.93	20
1,4-Dichlorobenzene	10.0	9.48	9.46	94.8	94.6	77.0-121			0.211	20
2-Butanone (MEK)	50.0	51.9	57.5	104	115	30.0-160			10.2	24
2-Hexanone	50.0	57.5	59.9	115	120	54.0-147			4.09	20
4-Methyl-2-pentanone (MIBK)	50.0	54.6	54.5	109	109	56.0-143			0.183	20
Acetone	50.0	75.9	91.4	152	183	10.0-160		J4	18.5	31
Acrylonitrile	50.0	55.6	55.5	111	111	45.0-153			0.180	22
Benzene	10.0	9.71	10.3	97.1	103	70.0-123			5.90	20
Bromochloromethane	10.0	11.2	11.6	112	116	77.0-128			3.51	20
Bromodichloromethane	10.0	10.1	10.7	101	107	73.0-121			5.77	20
Bromoform	10.0	9.48	9.58	94.8	95.8	64.0-132			1.05	20
Bromomethane	10.0	6.53	8.06	65.3	80.6	56.0-147		J3	21.0	20
Carbon disulfide	10.0	10.2	11.3	102	113	56.0-133			10.2	20
Carbon tetrachloride	10.0	10.4	11.3	104	113	66.0-128			8.29	20
Chlorobenzene	10.0	9.52	9.84	95.2	98.4	76.0-128			3.31	20
Chloroethane	10.0	8.04	9.36	80.4	93.6	61.0-134			15.2	20
Chloroform	10.0	9.63	10.3	96.3	103	72.0-123			6.72	20
Chloromethane	10.0	9.63	10.7	96.3	107	51.0-138			10.5	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4382754-1 06/03/26 00:38 • (LCSD) R4382754-2 06/03/26 00:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibromochloromethane	10.0	10.2	10.1	102	101	74.0-127			0.985	20
Dibromomethane	10.0	9.84	9.99	98.4	99.9	75.0-122			1.51	20
Ethylbenzene	10.0	10.1	10.5	101	105	74.0-126			3.88	20
Iodomethane	50.0	46.7	58.0	93.4	116	74.0-134		J3	21.6	20
Methylene Chloride	10.0	9.63	9.90	96.3	99.0	68.0-123			2.76	20
Styrene	10.0	10.4	10.6	104	106	72.0-127			1.90	20
Tetrachloroethene	10.0	9.58	10.2	95.8	102	70.0-136			6.27	20
Toluene	10.0	9.61	9.95	96.1	99.5	75.0-121			3.48	20
Trichloroethene	10.0	10.8	11.7	108	117	76.0-126			8.00	20
Trichlorofluoromethane	10.0	10.3	11.2	103	112	61.0-142	J	J	8.37	20
Vinyl acetate	50.0	27.2	26.6	54.4	53.2	43.0-159			2.23	20
Vinyl chloride	10.0	8.68	9.90	86.8	99.0	63.0-134			13.1	20
Xylenes, Total	30.0	30.3	31.3	101	104	72.0-127			3.25	20
cis-1,2-Dichloroethene	10.0	10.0	11.0	100	110	73.0-125			9.52	20
cis-1,3-Dichloropropene	10.0	10.1	10.4	101	104	76.0-127			2.93	20
trans-1,2-Dichloroethene	10.0	10.5	11.2	105	112	71.0-125			6.45	20
trans-1,3-Dichloropropene	10.0	10.0	10.5	100	105	73.0-127			4.88	20
trans-1,4-Dichloro-2-butene	10.0	9.26	9.14	92.6	91.4	45.0-143			1.30	20
(S) 1,2-Dichloroethane-d4				*93.3*	*94.4*	*70.0-130*				
(S) Toluene-d8				*99.6*	*98.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*101*	*67.0-138*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
MW-41A Background

City/State Collected: Spirit Lake, MN

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00012

Collected by (print):
Dylan Schreckenberg

Site/Facility ID #
IA01

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	Metals 250mlHDPE-HNO3	TSS 1L-HDPE NoPres	V524LL 40mlAmb-AscAcid+HCl	V524LL 40mlAmb-HCl-Blk	V8260ULLC 40mlAmb-HCl	V8260ULLC 40mlAmb-HCl-Blk					Remarks	Sample # (lab only)
MW-41A	G	GW		27May26	1215	8		X	X	X		X							01
TRIP BLANK		GW		27May26	730	4					X		X						SL

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1625918

C075

Acctnum: **WMDICIA**
Template: **T280596**
Prelogin: **P1207104**
PM: **3564 - Chad A Upchurch**
PB: 03/14/2606
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7927 2978 6278

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	27May26	1430	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.0/1.8 °C Bottles Received: 12
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5.28.26 Time: 0915

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

FIELD INFORMATION FORM

Page 1 of 3

WASTE MANAGEMENT

Site Name: Dickinson SLF

Site No.: | | | | | Sample Point: MW411A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
05 27 26	12:00	1:15	21	50	2.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: _____

Filter Device: Y or (N) — 0.45 µ or _____ µ (circle or fill in)

Filter Type: _____ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC): 1483.27 (ft/msl)

Depth to Water (DTW) (from TOC): 19.54 (ft)

Groundwater Elevation (site datum, from TOC): 1463.68 (ft/msl)

Total Well Depth (from TOC): 32.57 (ft)

Stick Up (from ground elevation): _____ (ft)

Casing ID: 2 (in)

Casing Material: _____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
12:05	2.5 1st	7.31 1st	1376 1st	1.08	612	5.0	109.3	24.7
12:10	5.0 2nd	7.30 2nd	1377 2nd	1.08	711	4.8	109.7	29.9
	3rd	3rd	3rd					
12:15	T 4th	7.31 4th	1379 4th	1.07	819	5.0	109.9	
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
05 27 26	7.31	1379	1.07	819	5.0	109.9	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Slt Cloudy / Tan — Odor: None — Color: Tan — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 6 — Outlook: Clear — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): _____

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
5.27.26	Dylan Schreckenberg		

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

GROUNDWATER SAMPLING AND/OR
GROUNDWATER ELEVATION MEASUREMENT

Site Name Dickinson Co. SLF Permit No. 916[illegible]

Monitoring Well/Piezometer No. MW-41A Upgradient
Downgradient

Name of person sampling Dylan Schroedenberg

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped Yes Standing Water of Litter? No
If no, explain If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation: Top of inner well casing 1483.22 Ground Elevation 1463.68
Depth of Well 32.57 Inside casing diameter (in inches) 2"
Equipment Used EI Water Level Indicator

Groundwater Level (± 0.01 foot below top of inner casing, MSL) :

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	27May26 ~~700~~ 1200	19.54	1463.08
* After Purging		29.9	1453.32
* Before Sampling	I	I	I

C. WELL PURGING

Quantity of Water Removed from Well (gallons) 5.0
No. of Well Volumes (based on current water level) 2.0
Was well pumped / bailed dry? Yes

Equipment used:
Bailer type Dedicated Bailer?
Pump type QED Bladder Dedicated Pump? (Yes)
If not dedicated, method of cleaning

*D. FIELD MEASUREMENT

Weather Conditions 77° NAG Clear
Field Measurements (after stabilization):
Temperature 10.7 Units °C
Equipment Used YSI 6820 Multi Parameter Meter
pH 7.31
Equipment Used YSI 6820 Multi Parameter Meter
Specific Cond. 1379
Equipment Used YSI 6820 Multi Parameter Meter

Comments

NOTE: Attach Laboratory Report and 8-12" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations

ANALYTICAL REPORT

July 24, 2026

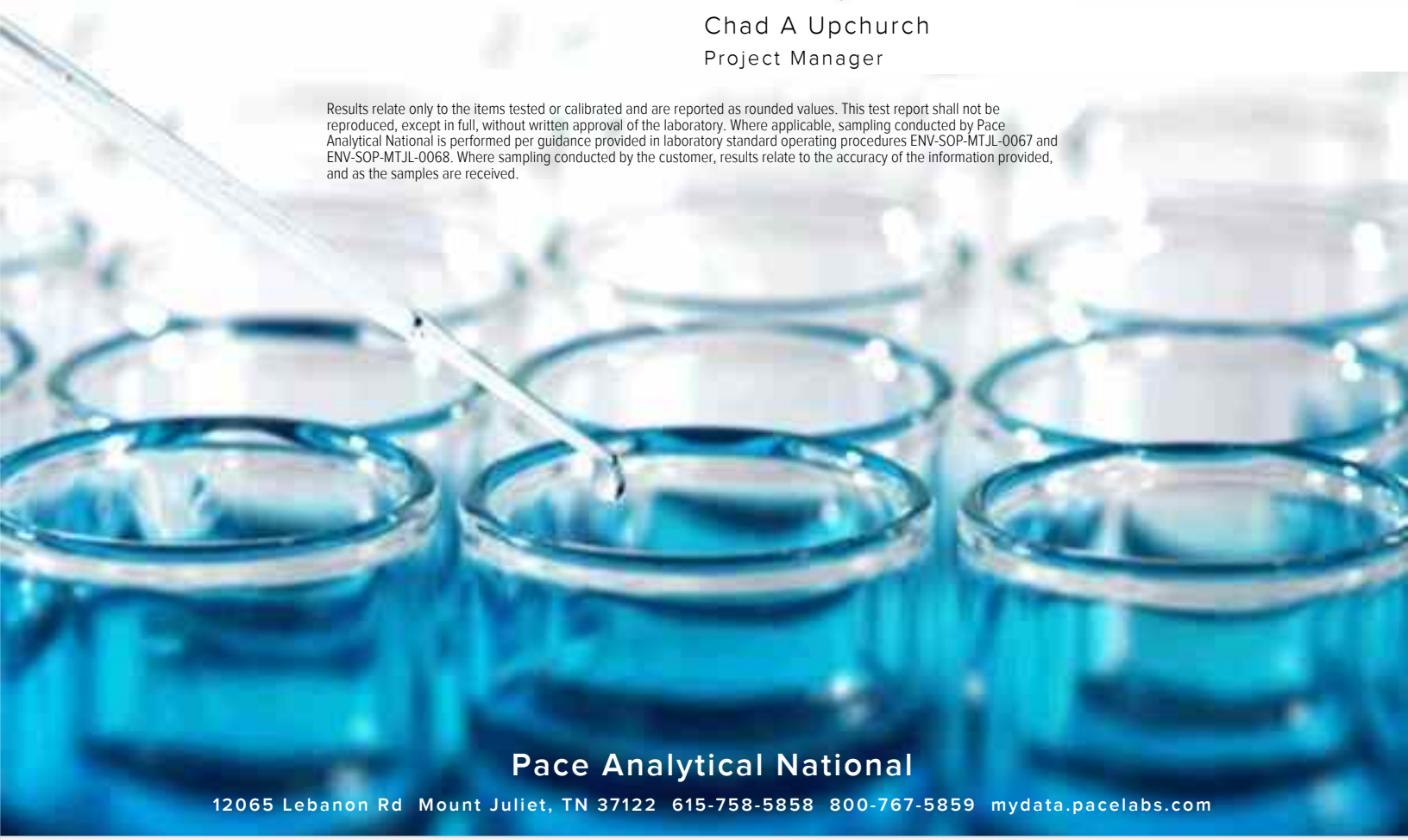
Dickinson Landfill

Sample Delivery Group:	L1993297
Samples Received:	07/09/2026
Project Number:	200
Description:	MW-41A Background
Site:	IA01
Report To:	Andy McCain C/O Spruce Ridge 12755 137th Street Glencoe, MN 55336

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-41A L1993297-01

Collected by	Collected date/time	Received date/time
	07/08/26 10:23	07/09/26 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 D-2011	WG2790678	1	07/12/26 10:36	07/12/26 11:45	AMG	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG2791723	1	07/15/26 22:16	07/16/26 17:28	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020A	WG2791727	1	07/15/26 09:21	07/20/26 03:02	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2791781	1	07/13/26 15:53	07/13/26 15:53	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2792148	1	07/13/26 22:30	07/13/26 22:30	KST	Mt. Juliet, TN

TRIP BLANK L1993297-02

Collected by	Collected date/time	Received date/time
	07/08/26 08:00	07/09/26 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2791781	1	07/13/26 15:32	07/13/26 15:32	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2792148	1	07/13/26 22:11	07/13/26 22:11	KST	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Gravimetric Analysis by Method 2540 D-2011

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2790678	(DUP) R4398692-4	Suspended Solids

Metals (ICP) by Method 6010C

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2791723	(MSD) R4400433-5	Barium

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2791723	(MSD) R4400433-5	Barium

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
Depth to water (DTW) (FROM TOC)	22.12	ftmsl
pH (On Site)	7.49	su
Specific Conductance (on site)	1291	umhos/cm
Temperature (on-site)	11.9	Deg. C
Turbidity (on-site)	160.4	NTU
Dissolved Oxygen (on-site)	5.4	mg/l
eH/ORP (On Site)	157.9	mV

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	161		3.37	1	07/12/2026 11:45	WG2790678

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver	ND		0.0100	1	07/16/2026 17:28	WG2791723
Arsenic	ND		0.0100	1	07/16/2026 17:28	WG2791723
Barium	0.101		0.0200	1	07/16/2026 17:28	WG2791723
Beryllium	ND		0.00400	1	07/16/2026 17:28	WG2791723
Cadmium	ND		0.00500	1	07/16/2026 17:28	WG2791723
Chromium	ND		0.0100	1	07/16/2026 17:28	WG2791723
Copper	0.0131		0.0100	1	07/16/2026 17:28	WG2791723
Nickel	ND		0.0100	1	07/16/2026 17:28	WG2791723
Lead	ND		0.0100	1	07/16/2026 17:28	WG2791723
Vanadium	ND		0.0200	1	07/16/2026 17:28	WG2791723
Zinc	ND		0.0500	1	07/16/2026 17:28	WG2791723

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cobalt	0.00505		0.00200	1	07/20/2026 03:02	WG2791727
Antimony	ND		0.00600	1	07/20/2026 03:02	WG2791727
Selenium	ND		0.0100	1	07/20/2026 03:02	WG2791727
Thallium	ND		0.00200	1	07/20/2026 03:02	WG2791727

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	07/13/2026 22:30	WG2792148
1,2,3-Trichloropropane	ND		0.00580	1	07/13/2026 15:53	WG2791781
1,1,1-Trichloroethane	ND		1.00	1	07/13/2026 22:30	WG2792148
1,2-Dibromo-3-Chloropropane	ND		0.200	1	07/13/2026 15:53	WG2791781
1,1,2,2-Tetrachloroethane	ND		0.300	1	07/13/2026 22:30	WG2792148
1,2-Dibromoethane	ND		0.0500	1	07/13/2026 15:53	WG2791781
1,1,2-Trichloroethane	ND		1.00	1	07/13/2026 22:30	WG2792148
1,1-Dichloroethane	ND		1.00	1	07/13/2026 22:30	WG2792148
1,1-Dichloroethene	ND		1.00	1	07/13/2026 22:30	WG2792148
1,2-Dichlorobenzene	ND		1.00	1	07/13/2026 22:30	WG2792148
1,2-Dichloroethane	ND		1.00	1	07/13/2026 22:30	WG2792148
1,2-Dichloropropane	ND		1.00	1	07/13/2026 22:30	WG2792148
1,4-Dichlorobenzene	ND		1.00	1	07/13/2026 22:30	WG2792148
2-Butanone (MEK)	ND		10.0	1	07/13/2026 22:30	WG2792148
2-Hexanone	ND		5.00	1	07/13/2026 22:30	WG2792148

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/13/2026 22:30	WG2792148
Acetone	ND		25.0	1	07/13/2026 22:30	WG2792148
Acrylonitrile	ND		0.320	1	07/13/2026 22:30	WG2792148
Benzene	ND		1.00	1	07/13/2026 22:30	WG2792148
Bromochloromethane	ND		1.00	1	07/13/2026 22:30	WG2792148
Bromodichloromethane	ND		1.00	1	07/13/2026 22:30	WG2792148
Bromoform	ND		1.00	1	07/13/2026 22:30	WG2792148
Bromomethane	ND		2.50	1	07/13/2026 22:30	WG2792148
Carbon disulfide	ND		1.00	1	07/13/2026 22:30	WG2792148
Carbon tetrachloride	ND		1.00	1	07/13/2026 22:30	WG2792148
Chlorobenzene	ND		1.00	1	07/13/2026 22:30	WG2792148
Chloroethane	ND		2.50	1	07/13/2026 22:30	WG2792148
Chloroform	ND		1.00	1	07/13/2026 22:30	WG2792148
Chloromethane	ND		1.25	1	07/13/2026 22:30	WG2792148
Dibromochloromethane	ND		1.00	1	07/13/2026 22:30	WG2792148
Dibromomethane	ND		1.00	1	07/13/2026 22:30	WG2792148
Ethylbenzene	ND		1.00	1	07/13/2026 22:30	WG2792148
Iodomethane	ND		10.0	1	07/13/2026 22:30	WG2792148
Methylene Chloride	ND		2.50	1	07/13/2026 22:30	WG2792148
Styrene	ND		1.00	1	07/13/2026 22:30	WG2792148
Tetrachloroethene	ND		1.00	1	07/13/2026 22:30	WG2792148
Toluene	ND		1.00	1	07/13/2026 22:30	WG2792148
Trichloroethene	ND		1.00	1	07/13/2026 22:30	WG2792148
Trichlorofluoromethane	ND		2.50	1	07/13/2026 22:30	WG2792148
Vinyl acetate	ND		5.00	1	07/13/2026 22:30	WG2792148
Vinyl chloride	ND		1.00	1	07/13/2026 22:30	WG2792148
Xylenes, Total	ND		3.00	1	07/13/2026 22:30	WG2792148
cis-1,2-Dichloroethene	ND		1.00	1	07/13/2026 22:30	WG2792148
cis-1,3-Dichloropropene	ND		1.00	1	07/13/2026 22:30	WG2792148
trans-1,2-Dichloroethene	ND		1.00	1	07/13/2026 22:30	WG2792148
trans-1,3-Dichloropropene	ND		1.00	1	07/13/2026 22:30	WG2792148
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/13/2026 22:30	WG2792148
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*	*07/13/2026 22:30*	WG2792148
(S) Toluene-d8	*94.0*			*75.0-131*	*07/13/2026 22:30*	WG2792148
(S) 4-Bromofluorobenzene	*103*			*67.0-138*	*07/13/2026 22:30*	WG2792148

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	07/13/2026 22:11	WG2792148
1,2,3-Trichloropropane	ND		0.00580	1	07/13/2026 15:32	WG2791781
1,1,1-Trichloroethane	ND		1.00	1	07/13/2026 22:11	WG2792148
1,2-Dibromo-3-Chloropropane	ND		0.200	1	07/13/2026 15:32	WG2791781
1,1,2,2-Tetrachloroethane	ND		0.300	1	07/13/2026 22:11	WG2792148
1,2-Dibromoethane	ND		0.0500	1	07/13/2026 15:32	WG2791781
1,1,2-Trichloroethane	ND		1.00	1	07/13/2026 22:11	WG2792148
1,1-Dichloroethane	ND		1.00	1	07/13/2026 22:11	WG2792148
1,1-Dichloroethene	ND		1.00	1	07/13/2026 22:11	WG2792148
1,2-Dichlorobenzene	ND		1.00	1	07/13/2026 22:11	WG2792148
1,2-Dichloroethane	ND		1.00	1	07/13/2026 22:11	WG2792148
1,2-Dichloropropane	ND		1.00	1	07/13/2026 22:11	WG2792148
1,4-Dichlorobenzene	ND		1.00	1	07/13/2026 22:11	WG2792148
2-Butanone (MEK)	ND		10.0	1	07/13/2026 22:11	WG2792148
2-Hexanone	ND		5.00	1	07/13/2026 22:11	WG2792148
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/13/2026 22:11	WG2792148
Acetone	ND		25.0	1	07/13/2026 22:11	WG2792148
Acrylonitrile	ND		0.320	1	07/13/2026 22:11	WG2792148
Benzene	ND		1.00	1	07/13/2026 22:11	WG2792148
Bromochloromethane	ND		1.00	1	07/13/2026 22:11	WG2792148
Bromodichloromethane	ND		1.00	1	07/13/2026 22:11	WG2792148
Bromoform	ND		1.00	1	07/13/2026 22:11	WG2792148
Bromomethane	ND		2.50	1	07/13/2026 22:11	WG2792148
Carbon disulfide	ND		1.00	1	07/13/2026 22:11	WG2792148
Carbon tetrachloride	ND		1.00	1	07/13/2026 22:11	WG2792148
Chlorobenzene	ND		1.00	1	07/13/2026 22:11	WG2792148
Chloroethane	ND		2.50	1	07/13/2026 22:11	WG2792148
Chloroform	ND		1.00	1	07/13/2026 22:11	WG2792148
Chloromethane	ND		1.25	1	07/13/2026 22:11	WG2792148
Dibromochloromethane	ND		1.00	1	07/13/2026 22:11	WG2792148
Dibromomethane	ND		1.00	1	07/13/2026 22:11	WG2792148
Ethylbenzene	ND		1.00	1	07/13/2026 22:11	WG2792148
Iodomethane	ND		10.0	1	07/13/2026 22:11	WG2792148
Methylene Chloride	ND		2.50	1	07/13/2026 22:11	WG2792148
Styrene	ND		1.00	1	07/13/2026 22:11	WG2792148
Tetrachloroethene	ND		1.00	1	07/13/2026 22:11	WG2792148
Toluene	ND		1.00	1	07/13/2026 22:11	WG2792148
Trichloroethene	ND		1.00	1	07/13/2026 22:11	WG2792148
Trichlorofluoromethane	ND		2.50	1	07/13/2026 22:11	WG2792148
Vinyl acetate	ND		5.00	1	07/13/2026 22:11	WG2792148
Vinyl chloride	ND		1.00	1	07/13/2026 22:11	WG2792148
Xylenes, Total	ND		3.00	1	07/13/2026 22:11	WG2792148
cis-1,2-Dichloroethene	ND		1.00	1	07/13/2026 22:11	WG2792148
cis-1,3-Dichloropropene	ND		1.00	1	07/13/2026 22:11	WG2792148
trans-1,2-Dichloroethene	ND		1.00	1	07/13/2026 22:11	WG2792148
trans-1,3-Dichloropropene	ND		1.00	1	07/13/2026 22:11	WG2792148
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/13/2026 22:11	WG2792148
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*	*07/13/2026 22:11*	WG2792148
(S) Toluene-d8	*95.3*			*75.0-131*	*07/13/2026 22:11*	WG2792148
(S) 4-Bromofluorobenzene	*104*			*67.0-138*	*07/13/2026 22:11*	WG2792148

Method Blank (MB)

(MB) R4398692-1 07/12/26 11:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	ND		0.350	2.50

L1993297-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1993297-01 07/12/26 11:45 • (DUP) R4398692-3 07/12/26 11:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	161	157	1	2.43		10

L1993427-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1993427-01 07/12/26 11:45 • (DUP) R4398692-4 07/12/26 11:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	57.8	66.7	1	14.3	P1	10

Laboratory Control Sample (LCS)

(LCS) R4398692-2 07/12/26 11:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	850	110	85.0-115	

QUALITY CONTROL SUMMARY

L1993297-01

Method Blank (MB)

(MB) R4400433-1 07/16/26 18:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Arsenic	ND		0.00650	0.0100
Barium	ND		0.00170	0.00500
Beryllium	ND		0.000700	0.00200
Cadmium	ND		0.000700	0.00200
Chromium	ND		0.00140	0.0100
Copper	ND		0.00530	0.0100
Nickel	ND		0.00490	0.0100
Lead	ND		0.00190	0.00500
Vanadium	ND		0.00240	0.0200
Zinc	ND		0.00590	0.0500

Laboratory Control Sample (LCS)

(LCS) R4400433-2 07/16/26 18:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.188	93.8	80.0-120	
Arsenic	1.00	0.941	94.1	80.0-120	
Barium	1.00	1.01	101	80.0-120	
Beryllium	1.00	1.00	100	80.0-120	
Cadmium	1.00	0.946	94.6	80.0-120	
Chromium	1.00	1.03	103	80.0-120	
Copper	1.00	0.987	98.7	80.0-120	
Nickel	1.00	0.936	93.6	80.0-120	
Lead	1.00	0.948	94.8	80.0-120	
Vanadium	1.00	0.973	97.3	80.0-120	
Zinc	1.00	0.984	98.4	80.0-120	

L1993256-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1993256-10 07/16/26 18:47 • (MS) R4400433-4 07/16/26 18:51 • (MSD) R4400433-5 07/16/26 18:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.198	0.200	99.1	99.8	1	75.0-125			0.733	20
Arsenic	1.00	0.0157	1.02	1.00	100	98.6	1	75.0-125			1.46	20
Barium	1.00	0.348	1.60	3.17	125	282	1	75.0-125		J3 J5	65.9	20
Beryllium	1.00	ND	1.02	1.01	102	101	1	75.0-125			0.533	20
Cadmium	1.00	ND	0.982	0.972	98.2	97.2	1	75.0-125			1.11	20

L1993256-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1993256-10 07/16/26 18:47 • (MS) R4400433-4 07/16/26 18:51 • (MSD) R4400433-5 07/16/26 18:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	1.00	0.0693	1.10	1.15	103	109	1	75.0-125			5.11	20
Copper	1.00	0.0261	1.02	1.05	99.8	102	1	75.0-125			2.24	20
Nickel	1.00	0.0696	1.04	1.06	96.8	98.6	1	75.0-125			1.67	20
Lead	1.00	0.0231	0.994	1.01	97.1	98.5	1	75.0-125			1.36	20
Vanadium	1.00	0.104	1.10	1.16	99.7	106	1	75.0-125			5.39	20
Zinc	1.00	0.0594	1.02	1.05	96.1	99.4	1	75.0-125			3.15	20

Method Blank (MB)

(MB) R4401401-1 07/20/26 01:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cobalt	ND		0.000260	0.00200
Antimony	0.00162	J	0.000754	0.00200
Selenium	ND		0.000380	0.00200
Thallium	ND		0.000190	0.00200

Laboratory Control Sample (LCS)

(LCS) R4401401-2 07/20/26 01:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	0.0500	0.0530	106	80.0-120	
Antimony	0.0500	0.0511	102	80.0-120	
Selenium	0.0500	0.0519	104	80.0-120	
Thallium	0.0500	0.0508	102	80.0-120	

L1993171-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1993171-01 07/20/26 01:42 • (MS) R4401401-4 07/20/26 01:48 • (MSD) R4401401-5 07/20/26 01:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt	0.0500	ND	0.0527	0.0535	103	104	1	75.0-125			1.45	20
Antimony	0.0500	ND	0.0541	0.0579	107	114	1	75.0-125			6.68	20
Selenium	0.0500	ND	0.0513	0.0529	102	105	1	75.0-125			3.07	20
Thallium	0.0500	ND	0.0493	0.0488	98.3	97.3	1	75.0-125			0.973	20

Method Blank (MB)

(MB) R4399024-2 07/13/26 15:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	ND		0.00200	0.00500
1,2-Dibromo-3-Chloropropane	ND		0.000520	0.00500
1,2-Dibromoethane	ND		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R4399024-1 07/13/26 14:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0430	86.0	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0500	0.0510	102	70.0-130	
1,2-Dibromoethane	0.0500	0.0530	106	70.0-130	

Method Blank (MB)

(MB) R4399099-2 07/13/26 18:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.0379	0.100
1,1,1-Trichloroethane	ND		0.0369	0.100
1,1,2,2-Tetrachloroethane	ND		0.0278	0.100
1,1,2-Trichloroethane	ND		0.0239	0.100
1,1-Dichloroethane	ND		0.0196	0.100
1,1-Dichloroethene	ND		0.0242	0.100
1,2-Dichlorobenzene	ND		0.0170	0.200
1,2-Dichloroethane	ND		0.0260	0.100
1,2-Dichloropropane	ND		0.0568	0.200
1,4-Dichlorobenzene	ND		0.0280	0.200
2-Butanone (MEK)	ND		2.54	4.00
2-Hexanone	ND		0.134	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0912	1.00
Acetone	ND		1.46	2.00
Acrylonitrile	ND		0.144	0.500
Benzene	ND		0.0187	0.0400
Bromochloromethane	ND		0.0226	0.200
Bromodichloromethane	ND		0.0290	0.100
Bromoform	ND		0.0468	0.500
Bromomethane	ND		0.0788	0.500
Carbon disulfide	ND		0.0280	0.500
Carbon tetrachloride	ND		0.0359	0.200
Chlorobenzene	ND		0.00840	0.100
Chloroethane	ND		0.0680	0.200
Chloroform	0.0680	J	0.0412	0.100
Chloromethane	ND		0.174	0.500
Dibromochloromethane	ND		0.0245	0.100
Dibromomethane	ND		0.0300	0.200
Ethylbenzene	ND		0.0295	0.100
Iodomethane	ND		0.0928	0.500
Methylene Chloride	ND		0.266	1.00
Styrene	ND		0.00916	0.500
Tetrachloroethene	ND		0.0358	0.100
Toluene	ND		0.0520	0.200
Trichloroethene	ND		0.0234	0.0400
Trichlorofluoromethane	ND		0.0331	0.100
Vinyl acetate	ND		0.102	0.500
Vinyl chloride	ND		0.0462	0.0500
Xylenes, Total	ND		0.0352	0.260
cis-1,2-Dichloroethene	ND		0.0294	0.100

Method Blank (MB)

(MB) R4399099-2 07/13/26 18:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,3-Dichloropropene	ND		0.0303	0.100
trans-1,2-Dichloroethene	ND		0.0416	0.200
trans-1,3-Dichloropropene	ND		0.0456	0.200
trans-1,4-Dichloro-2-butene	ND		0.0744	0.200
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*
(S) Toluene-d8	*95.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*

Laboratory Control Sample (LCS)

(LCS) R4399099-1 07/13/26 17:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	10.0	9.48	94.8	74.0-129	
1,1,1-Trichloroethane	10.0	9.89	98.9	69.0-126	
1,1,2,2-Tetrachloroethane	10.0	8.73	87.3	68.0-128	
1,1,2-Trichloroethane	10.0	8.84	88.4	78.0-123	
1,1-Dichloroethane	10.0	10.9	109	70.0-127	
1,1-Dichloroethene	10.0	11.4	114	65.0-131	
1,2-Dichlorobenzene	10.0	10.7	107	76.0-124	
1,2-Dichloroethane	10.0	10.1	101	65.0-131	
1,2-Dichloropropane	10.0	10.4	104	74.0-125	
1,4-Dichlorobenzene	10.0	9.80	98.0	77.0-121	
2-Butanone (MEK)	50.0	58.3	117	30.0-160	
2-Hexanone	50.0	50.0	100	54.0-147	
4-Methyl-2-pentanone (MIBK)	50.0	55.5	111	56.0-143	
Acetone	50.0	45.9	91.8	10.0-160	
Acrylonitrile	50.0	40.2	80.4	45.0-153	
Benzene	10.0	9.95	99.5	70.0-123	
Bromochloromethane	10.0	8.85	88.5	77.0-128	
Bromodichloromethane	10.0	9.50	95.0	73.0-121	
Bromoform	10.0	8.50	85.0	64.0-132	
Bromomethane	10.0	8.22	82.2	56.0-147	J
Carbon disulfide	10.0	9.94	99.4	56.0-133	
Carbon tetrachloride	10.0	9.90	99.0	66.0-128	
Chlorobenzene	10.0	9.47	94.7	76.0-128	
Chloroethane	10.0	9.92	99.2	61.0-134	
Chloroform	10.0	9.75	97.5	72.0-123	
Chloromethane	10.0	11.6	116	51.0-138	

Laboratory Control Sample (LCS)

(LCS) R4399099-1 07/13/26 17:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibromochloromethane	10.0	9.01	90.1	74.0-127	
Dibromomethane	10.0	8.89	88.9	75.0-122	
Ethylbenzene	10.0	10.0	100	74.0-126	
Iodomethane	50.0	48.4	96.8	74.0-134	
Methylene Chloride	10.0	9.24	92.4	68.0-123	
Styrene	10.0	9.70	97.0	72.0-127	
Tetrachloroethene	10.0	9.83	98.3	70.0-136	
Toluene	10.0	9.65	96.5	75.0-121	
Trichloroethene	10.0	9.44	94.4	76.0-126	
Trichlorofluoromethane	10.0	10.3	103	61.0-142	J
Vinyl acetate	50.0	66.3	133	43.0-159	
Vinyl chloride	10.0	10.5	105	63.0-134	
Xylenes, Total	30.0	30.1	100	72.0-127	
cis-1,2-Dichloroethene	10.0	9.45	94.5	73.0-125	
cis-1,3-Dichloropropene	10.0	10.3	103	76.0-127	
trans-1,2-Dichloroethene	10.0	9.57	95.7	71.0-125	
trans-1,3-Dichloropropene	10.0	9.98	99.8	73.0-127	
trans-1,4-Dichloro-2-butene	10.0	10.2	102	45.0-143	
(S) 1,2-Dichloroethane-d4			*97.6*	*70.0-130*	
(S) Toluene-d8			*94.8*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Dickinson Landfill

C/O Spruce Ridge 12755 137th Street
Glencoe, MN 55336

Billing Information:
Accounts Payable/ddemory@wm.com
PO Box 4745
Portland, OR 97208-4745

Report to:
Andy McCain 320-864-5503

Email To:
ddemory@wm.com;cory.anderson2@stantec.co

Project Description:
MW-41A Background

City/State Collected: Spirit Lake / IA

Please Circle: PT MT (CT) ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
200

Lab Project #
WMDICIA-00012

Collected by (print):
Dylan Schreckenberg

Site/Facility ID #
IA01

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 250mlHDPE-HNO3	TSS 1L-HDPE NoPres	V524LL 40mlAmb-AscAcid+HCl	V524LL 40mlAmb-HCl-Blk	V8260ULLC 40mlAmb-HCl	V8260ULLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-41A		GW		8Jul26	1023	8	X	X	X		X			01
TRIP BLANK		GW		1	800	4				X		X		02

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1493292

C078

Acctnum: **WMDICIA**
Template: **T280596**
Prelogin: **P1214181**
PM: **3564 - Chad A Upchurch**
PB: CK 4/15

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7422 9546 0527

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
	8Jul26	1245		NA
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 8
				1.6-0.1=1.5
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				7/14/26 0846

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Dickinson Co. SLF
Site No.:
Sample Point: MW-4 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 1193797

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 08 26	10:32	:21	17	40	2.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment … Dedicated: (Y) or N

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: ____ A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1483.22 (ft/msl)
Depth to Water (DTW) (from TOC): 22.12 (ft)
Groundwater Elevation (site datum, from TOC): 1461.10 (ft/msl)
Total Well Depth (from TOC): 32.57 (ft)
Stick Up (from ground elevation): ____ (ft)
Casing ID: 2 (in)
Casing Material: —

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1010	2.0 (1st)	7.26 (1st)	1296 (1st)	10.8 (1st)	862 (1st)	4.7 (1st)	1673 (1st)	25.2
1018	4.0 (2nd)	7.34 (2nd)	1293 (2nd)	10.9 (2nd)	992 (2nd)	4.3 (2nd)	1631 (2nd)	Below Pump
1023	— (3rd)	7.49 (4th)	1291 (4th)	11.9 (4th)	1604 (4th)	5.4 (4th)	1579 (4th)	Below Pump
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 08 26	7.49	1291	11.9	1604	5.4	1579	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Cloudy — Odor: None — Color: Tan — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW@11 — Outlook: 78°, Mostly Cloudy — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/8/26	Dylan Schrallenberg		MTL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY