2025 Annual Groundwater Monitoring and Corrective Action Report

River Rouge Power Plant Bottom Ash Basin Coal Combustion Residual Unit
1 Belanger Park Drive
River Rouge, Michigan

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Executive Summary

On April 17, 2015, the United States Environmental Protection Agency (USEPA) published the final rule for the regulation and management of Coal Combustion Residuals (CCR) under the Resource Conservation and Recovery Act (RCRA) (the CCR Rule), as amended. The CCR Rule, which became effective on October 19, 2015, applies to the DTE Electric Company (DTE Electric) River Rouge Power Plant (RRPP) Bottom Ash Basin (BAB) CCR unit. Pursuant to the CCR Rule, no later than January 31, 2018, and annually thereafter, the owner or operator of a CCR unit must prepare an annual groundwater monitoring and corrective action report for the CCR unit documenting the status of groundwater monitoring and corrective action for the preceding year in accordance with §257.90(e).

On behalf of DTE Electric, TRC Engineers Michigan, Inc., the engineering entity of TRC, has prepared this Annual Report for calendar year 2025 activities at the RRPP former BAB CCR unit. In September 2020, CCR removal was completed at the RRPP BAB at which time the basin was repurposed into a non-CCR process water pond. The RRPP BAB CCR unit continued to implement the assessment monitoring program that was established on April 13, 2018, through the 2025 reporting period as specified in §257.95 concurrent with ongoing assessment and corrective action activities conducted pursuant to §257.96 through §257.98. Groundwater data collected through 2025 shows that lithium is present in wells downgradient of the former BAB at concentrations above the GWPS.

DTE Electric continued to collect groundwater samples to define the nature and extent of the potential release per §257.95(g)(1) in 2025. Concentrations of the Appendix IV parameters were not present at statistically significant levels above the GWPSs in all nature and extent wells located around the perimeter of the RRPP BAB, delineating the extent of the potential release. Nature and extent groundwater monitoring results have generally remained at concentrations below the GWPSs. All the monitoring data that have been collected and evaluated under §257.90 through §257.98 in 2025 are presented in this report.

DTE Electric proceeded with initiating an Assessment of Corrective Measures (ACM) per the CCR Rule by January 14, 2019, completed the initial ACM Report on April 15, 2019, and has completed Semi-Annual Progress Reports on the ongoing evaluations for remedy selection and design in accordance with §257.97(a) through 2023 until the initial Selection of Remedy Report was completed in November 2023 as discussed below. Since the removal of CCR from the former BAB in 2020 and through the first semiannual monitoring period of 2022, arsenic at MW-16-01 was the only ongoing exceedance of the GWPS within the downgradient monitoring wells within the monitoring well network. In October 2022, DTE Electric revised the 2019 ACM to include additional innovative technology that was not considered in the initial ACM to address the persistent concentrations of arsenic at MW-16-01. As detailed in the October 2022 revised ACM, DTE Electric conducted a bench-scale treatability study in early 2022 using site groundwater and soil to evaluate two in-situ treatment options for removing arsenic from groundwater at the former RRPP BAB CCR unit and to potentially provide a final groundwater remedy for this site. Results from this bench-scale study indicated that zero valent iron (ZVI) was effective at removing both arsenate and arsenite from site groundwater. In addition,

application of ferrous sulfate and guar gum was successful at stimulating anaerobic bacteria and enhanced the reduction of arsenic from groundwater through biological processes.

On September 15, 2022, the groundwater collection system was shut down to allow the RRPP BAB CCR unit groundwater hydraulic and geochemistry conditions to stabilize prior to implementing an in-situ pilot test designed to confirm the findings of the bench-scale study. Beginning in late September 2022, DTE Electric commenced the in-situ pilot scale test centered on monitoring well MW-16-01 where elevated levels of arsenic have persisted during operation of the groundwater extraction system. The pilot test was completed in May 2023 and the results substantiated the bench study conclusions while also demonstrating that geochemical sequestration can be effectively applied via amendment injection to remove arsenic from groundwater in the affected/treated areas.

On October 12, 2023, DTE Electric discussed the results of the corrective measures assessment with interested and affected parties in a public meeting, providing at least 30 days for comments to be received prior to the formulation of a Selection of Final Remedy Report as required under §257.96(e). On November 30, 2023, the *Final Selection of Remedy Report* was completed with the final remedy selected being closure by removal with geochemical sequestration via amendment injection for groundwater per §257.97.

Lithium concentrations in groundwater at monitoring well MW-16-01 increased slightly following the suspension of the extraction system operation and the initiation of the in-situ pilot test in September 2022. Lithium continued to be present above the GWPS in late 2023 and early 2024. In response, DTE Electric conducted a bench-scale treatability study in 2024 using site groundwater and soil to evaluate an alternative reagent (FerroBlack®-Fe+) that was identified for removing both arsenic and lithium from groundwater at the former RRPP BAB. Results from this study indicated that this reagent was effective at removing both arsenic and lithium from groundwater to below their respective GWPSs. DTE Electric is currently negotiating approval of a Remedial Action Plan with the Michigan Department of Environment, Great Lakes and Energy (EGLE) that is expected to be approved in early 2026. Therefore, DTE Electric is planning to perform a remedial injection of FerroBlack®-Fe+ down hydraulic gradient of the former BAB in 2026 to evaluate the potential for this reagent to complete the final remedy for arsenic and lithium in groundwater.

In addition, the May 8, 2024 CCR Rule Legacy amendment, which became effective November 8, 2024, expands §257.102(c) to allow completing removal and decontamination activities during the active life and post-closure care period of the CCR unit. As noted above, DTE Electric has completed removal of CCR materials from the BAB within five years of commencing closure activities, as required in §257.102(f). However, concentrations of Appendix IV constituents remain above the GWPS following CCR removal. Therefore, DTE Electric will continue to complete groundwater corrective action during the post-closure care period under §257.102(c)(2) following the procedures included in a revised closure plan, a revised selection of remedy report, and a post-closure plan that will be prepared following RAP approval.

Per §257.98(a)(1), DTE Electric will continue semiannual assessment monitoring per §257.95, along with annual nature and extent monitoring per §257.95(g)(1) for the RRPP BAB CCR unit in 2026 to evaluate the effectiveness of the implemented corrective measures. Additionally, DTE Electric anticipates that implementation of the selected final groundwater remedy will continue in 2026.

1.0 Introduction

On April 17, 2015, the United States Environmental Protection Agency (USEPA) published the final rule for the regulation and management of Coal Combustion Residuals (CCR) under the Resource Conservation and Recovery Act (RCRA) (the CCR Rule), as amended. The CCR Rule, which became effective on October 19, 2015, applies to the DTE Electric Company (DTE Electric) River Rouge Power Plant (RRPP) Bottom Ash Basin (BAB). Pursuant to §257.90(e) of the CCR Rule, no later than January 31, 2018, and annually thereafter, the owner or operator of a CCR unit must prepare an annual groundwater monitoring and corrective action report for the CCR unit documenting the status of groundwater monitoring and corrective action for the preceding year.

On behalf of DTE Electric, TRC Engineers Michigan, Inc., the engineering entity of TRC, has prepared this Annual Report for calendar year 2025 groundwater monitoring and corrective action activities at the RRPP BAB CCR unit (2025 Annual Report). Assessment monitoring is ongoing at the RRPP BAB CCR unit as specified in §257.95, concurrent with ongoing assessment and corrective action activities conducted pursuant to §257.96 through §257.98. Data that have been collected and evaluated under §257.90 through §257.98 in 2025 are presented in this report.

1.1 Program Summary

2017 – Initiated Detection Monitoring: As documented in the January 31, 2018 *Annual Groundwater Monitoring Report for the River Rouge Power Plant* (TRC, January 2018), covering calendar year 2017 activities, DTE Electric observed statistically significant increases (SSIs) above background limits for the following:

- Boron at MW-16-01, MW-16-02, and MW-16-03;
- Fluoride at MW-16-01; and
- pH at MW-16-01, MW-16-02, and MW-16-03.

2018 – Initiated Assessment Monitoring: DTE Electric initiated an assessment monitoring program on April 13, 2018 for the RRPP BAB CCR unit pursuant to §257.95 of the CCR Rule. As documented in the January 31, 2019, *2018 Annual Groundwater Monitoring Report* (TRC, January 2019), concentrations were observed at statistically significant levels (SSLs) above GWPSs in May 2018 for the following:

- Arsenic at monitoring well MW-16-01; and
- Lithium at MW-16-01 and MW-16-02.

DTE Electric placed a notification of the GWPS exceedance into the operating record on November 14, 2018.

2019 – Assessment of Corrective Measures (ACM): DTE Electric initiated an ACM per the CCR Rule by January 14, 2019, and implemented activities to proactively manage the potential migration pathway including continued operation of the groundwater extraction system installed as an interim remedy and removal of CCR from the BAB. The initial ACM Report was completed on April 15, 2019.

2020 – CCR Removal Complete: In September 2020, CCR removal was completed at the RRPP BAB, at which time the basin was repurposed into a non-CCR process water pond.

2022 – ACM Revised: In October 2022, DTE Electric revised the 2019 ACM to include additional innovative technology that was not considered in the initial ACM to address the persistent concentrations of arsenic at MW-16-01. DTE Electric completed a bench study in 2022 and a pilot test study in 2023 to further evaluate remedial options presented in the ACM and inform final remedy selection pursuant to §257.97.

2023 – Final Remedy Selection and Public Meeting: A public meeting to discuss corrective measures as required under §257.96(e) was held in October 2023, and the final remedy for groundwater was selected in November 2023 per §257.97.

2024 – Corrective Action: Lithium concentrations in groundwater at monitoring well MW-16-01 increased slightly following the suspension of the extraction system operation and the initiation of the in-situ pilot test in September 2022. In response, DTE Electric evaluated the selected remedy for its efficacy in addressing GWPS exceedances of lithium. DTE Electric conducted a background evaluation to identify potential sources of lithium elsewhere on the site and established a corrective action monitoring program to monitor remediation progress. Additionally, TRC and DTE Electric identified an alternative geochemical reagent that proposed to address both arsenic and lithium concentrations. Another bench study was completed in 2024 to assess this alternate material and its effectiveness in addressing lithium in site soil and groundwater.

Corrective action implementation is progressing pursuant to §257.98. Assessment monitoring, including nature and extent monitoring, was performed in 2024 and 2025 in accordance with §257.95 while corrective measures continued to be evaluated under §257.96. Currently DTE Electric is negotiating approval of a Remedial Action Plan (RAP) with the Michigan Department of Environment, Great Lakes and Energy (EGLE), expected be approved in early 2026, that will allow for additional active remediation to begin in 2026.

1.2 Site Overview

The RRPP BAB is located at 1 Belanger Park Drive, within the City of River Rouge in Wayne County, Michigan. The RRPP, including the BAB CCR unit, was originally constructed in the early 1950s, just northeast of the DTE Electric RRPP building. The power plant property is located at the confluence of the Rouge River and the Detroit River.

The RRPP BAB was an incised CCR surface impoundment. The impoundment is sheet-piled around the perimeter to approximately 30 feet below ground surface (ft bgs) into the native soil. The BAB was used for receiving sluiced bottom ash and other process flow effluent pumped from the power plant to the eastern end of the BAB. After CCR removal was completed in September 2020, the former BAB was repurposed into a non-CCR process water pond. There is a sheet pile weir near the middle of the former BAB that maintains the water elevation in the eastern portion to approximately 577.5 feet through gravity flow. The water in the western portion of the former BAB is maintained at an elevation of no higher than 577 feet before being discharged into the Detroit River in accordance with a National Pollution Discharge

Elimination System (NPDES) permit.

1.3 Geology/Hydrogeology

The RRPP BAB CCR unit is located immediately adjacent to the Rouge River to the northeast, near the intersection of the Rouge River and Detroit River (Figure 1). The RRPP CCR unit is underlain initially by approximately 10 feet of surficial fill of various composition (gravel, sand, silt and clay, brick and/or concrete fragments). The fill is partially saturated in some areas but is not continuously saturated across the RRPP property and does not represent a significant, usable source of water, and is therefore, not an aquifer. An organic layer is often encountered beneath the surficial fill that is then underlain by a silt/clay-rich unit that ranges from 3 to about 8 feet thick in the area of the BAB. Beneath the silt/clay-rich unit, there is a saturated sand and gravel unit that often coarsens from sand to gravel with depth. This coarse-grained sand and gravel unit is present from as shallow as 15 ft bgs to as deep as 25.5 ft bgs. This same coarse-grained unit is observed in most of the historical boring logs across the RRPP and appears to be a relatively continuous unit across the RRPP property. Based on this information, this coarse-grained sand and gravel unit represents the uppermost aquifer present at the RRPP BAB CCR unit.

The coarse-grained sand and gravel uppermost aquifer is underlain by a more than 60-foot-thick contiguous silty clay-rich deposit that serves as a natural lower confining hydraulic barrier that isolates the uppermost aquifer from the underlying Dundee limestone that represents the next aquifer. There is no apparent hydraulic connection between the uppermost aquifer and the Dundee limestone aquifer, and the limestone aquifer is artesian.

Historically, a definitive groundwater flow direction to the northeast with an average gradient of 0.00067 foot/foot (using data from June 2016 through September 2017) was evident within the uppermost aquifer around the RRPP BAB CCR unit, with potential groundwater flow rates ranging from approximately 5.8 to 73 feet/year. The installation and continual operation of the groundwater collection system extraction wells surrounding the basin between March 2018 and September 2022 had changed the natural groundwater flow regime near the basin to an inward gradient that extended to the edge of the Rouge River. The radius of influence extended beyond all CCR monitoring wells, with the exception of the upgradient monitoring well MW-17-07 that is located more than 1,500 feet up hydraulic gradient of the RRPP BAB CCR unit.

Since the suspension of extraction well operations in September 2022 to allow for the completion of an in-situ pilot test as described in Section 5.0, the groundwater flow regime is now similar to what was present in 2016 and 2017 before the groundwater extraction system was put into operation. The groundwater hydraulic gradient and flow rate to the northeast through the center of the site towards the Rouge River decreased following the groundwater extraction system shutdown, with components of groundwater flow east towards the Detroit River along the east boundary and offsite to the northwest along the west boundary.

2.0 Groundwater Monitoring

2.1 Monitoring Well Network

A groundwater monitoring system was initially established for the RRPP BAB CCR unit as detailed in the *Groundwater Monitoring System Summary Report – DTE Electric Company River Rouge Power Plant Bottom Ash Basin Coal Combustion Residual Unit* (GWMS Report) (TRC, October 2017). The monitoring well network for the BAB CCR unit as described in the GWMS Report consists of five monitoring wells that are screened in the uppermost aquifer. The monitoring well locations are shown on Figure 2. Monitoring wells MW-17-06 and MW-17-07 are located south-southwest of the RRPP BAB and provide data on background groundwater quality that has not been affected by the CCR unit (total of two background wells). Monitoring wells MW-16-01 through MW-16-03 are located north-northeast, historically downgradient of the RRPP BAB CCR unit (total of three downgradient monitoring wells).

As detailed in the 2023 Annual Report, downgradient monitoring wells MW-17-16 and MW-17-17 were added to the corrective action monitoring program in order to monitor remediation progress. Groundwater monitoring in 2024 and 2025 confirmed that MW-17-16 and MW-17-17 are consistently located downgradient of the RRPP BAB. Therefore, the monitoring well network is being recertified to include MW-17-16 and MW-17-17 as downgradient monitoring wells. An updated well network certification is included as Appendix F.

No monitoring wells were installed or decommissioned in 2025.

2.2 Semiannual Assessment Groundwater Monitoring

Per §257.95(d), all wells in the CCR unit monitoring program must be sampled at least semiannually. One semiannual event must include analysis for all parameters from Appendix III and Appendix IV and one semiannual event may include analysis for all Appendix III indicator parameters and those Appendix IV parameters that were detected during prior sampling. In addition to the Appendix III and IV parameters, field parameters including pH, dissolved oxygen, oxidation reduction potential, specific conductivity, temperature, and turbidity were collected at each well. Samples were collected and analyzed in accordance with the *CCR Groundwater Monitoring and Quality Assurance Project Plan – DTE Electric Company River Rouge Power Plant Bottom Ash Basin* (QAPP) (TRC, July 2016; revised August 2017) and the corrective action monitoring program outlined in the 2023 Annual Report. Field records are included in Appendix B.

2.2.1 Data Summary

The first semiannual groundwater assessment monitoring event for 2025 was performed on April 28, 2025, and the second semiannual groundwater assessment monitoring event was performed on October 7, 2025. Both events were performed by TRC personnel and samples were analyzed by Eurofins Environment Testing America (Eurofins) in accordance with the QAPP. Static water elevation data were collected at all monitoring well locations in addition to surface water measuring points MP-01, MP-03, and MP-04 established along the Rouge River and Detroit River (Figure 2). Groundwater samples were collected from the two background

monitoring wells and five downgradient compliance monitoring wells for the Appendix III and Appendix IV parameters and field parameters. A summary of the groundwater data collected during both the semiannual events are provided on Table 1 (static groundwater elevation data), Table 2 (field data), and Table 3 (analytical results). The laboratory analytical reports and field data are included in Appendix A and B, respectively.

2.2.2 Data Quality Review

Data from each round were evaluated for completeness, overall quality and usability, method-specified sample holding times, precision and accuracy, and potential sample contamination. The data were found to be complete and usable for the purposes of the CCR monitoring program. Data quality reviews are summarized in Appendix C.

2.2.3 Groundwater Flow Rate and Direction

Groundwater elevation data collected during the 2025 semiannual monitoring events show that the groundwater flow regime has re-equilibrated to pre-pumping conditions, prior to when the groundwater extraction system was put into operation, following the suspension of extraction well operations to allow for the completion of the aforementioned in-situ pilot test. As a result, the groundwater hydraulic gradient and flow rate are much lower than they were under pumping conditions. In general, groundwater flow is to the northeast through the center of the RRPP BAB CCR unit towards the Rouge River with components flowing east towards the Detroit River along the east boundary and offsite to the northwest along the west property boundary. Groundwater elevations measured across the Site during the April and October 2025 sampling events are provided on Table 1 and were used to construct groundwater contour maps (Figures 3 and 4, respectively).

The average hydraulic gradients throughout the RRPP BAB CCR unit show a hydraulic gradient of approximately 0.0011 ft/ft during the April 2025 event and 0.00074 ft/ft during the October 2025 event. The gradients were calculated using the well pairs MW-17-06/MW-16-04S and MW-17-07/MW-17-06. Using the low hydraulic conductivity of 9.5 feet/day and high hydraulic conductivity of 120 feet/day, and an assumed effective porosity of 0.4, the estimated groundwater flow velocity ranges from approximately 0.027 feet/day (approximately 9.8 feet/year) to approximately 0.34 feet/day (approximately 124 feet/year) during the April 2025 event and approximately 0.018 feet/day (approximately 6.4 feet/year) to approximately 0.22 feet/day (approximately 81 feet/year) during the October 2025 event.

2.3 Nature and Extent Groundwater Sampling

Per §257.95(g)(1), in the event that the facility determines, pursuant to §257.93(h), that there is a statistically significant exceedance of the GWPSs for one or more of the Appendix IV constituents, the facility must characterize the nature and extent of the release of CCR as well as any site conditions that may affect the remedy selected. As such, nature and extent groundwater sampling was completed on October 8, 2025, by TRC personnel from existing CCR network monitoring wells and the nature and extent monitoring wells installed in 2017.

DTE Electric collected groundwater samples at monitoring wells MW-16-04S, MW-17-05, MW-17-08, MW-17-12, MW-17-13, MW-17-14, MW-17-15, MW-17-18, and MW-17-20. Samples were collected and analyzed in accordance with the QAPP. Field parameters were stabilized at each monitoring well prior to collecting groundwater samples. Field parameters are summarized in Table 2. Groundwater samples were analyzed by Eurofins for the Appendix III and detected Appendix IV parameters. A summary of the analytical groundwater data collected during the October 2025 nature and extent sampling event is provided on Table 4. The laboratory analytical reports and field data are included in Appendix A and B, respectively.

3.0 Statistical Evaluation

Assessment monitoring is continuing at the RRPP BAB CCR unit while corrective measures are further evaluated in accordance with §257.96 and §257.97 as outlined in the ACM. The following section summarizes the statistical approach applied to assess the 2025 groundwater data in accordance with the assessment monitoring program. The statistical evaluation details are provided in Appendix D (Appendix IV Assessment Monitoring Statistical Evaluation – April 2025) and Appendix E (Appendix IV Assessment Monitoring Statistical Evaluation – October 2025).

3.1 Establishing Groundwater Protection Standards

The Appendix IV GWPSs are used to determine whether groundwater has been impacted from the RRPP BAB CCR unit by statistically comparing concentrations in the downgradient monitoring wells to their respective GWPS for each Appendix IV parameter. In accordance with §257.95(h) and the *Groundwater Statistical Evaluation Plan – DTE Electric Company River Rouge Power Plant Coal Combustion Residual Bottom Ash Basin* (Stats Plan) (TRC, October 2017), GWPSs were established for the Appendix IV parameters following the preliminary assessment monitoring event using nine rounds of data collected from the background monitoring wells MW-17-06 and MW-17-07 (July 2017 through April 2018). The calculation of the GWPSs is documented in the *Assessment Monitoring Data Summary and Statistical Evaluation* (TRC, October 2018a). The GWPS is established as the higher of the USEPA Maximum Contaminant Level (MCL) or statistically derived background level for constituents with MCLs and the higher of the USEPA Regional Screening Levels (RSLs) or background level for constituents with RSLs.

3.2 Data Comparison to Groundwater Protection Standards – First Semiannual Event (April 2025)

Statistical analysis for the first semiannual monitoring event was performed using the statistical methods detailed in the *Appendix IV Assessment Monitoring Statistical Evaluation for April 2025* technical memorandum provided in Appendix D. The calculated upper and lower confidence limits and comparison of the lower confidence limits to the GWPSs are provided in Table 5 for the April 2025 event. No constituents were observed at statistically significant levels exceeding the Appendix IV GWPSs during the April 2025 assessment monitoring event.

Although downgradient monitoring wells MW-17-16 and MW-17-17 were included in the corrective action program as compliance monitoring wells in 2025, there was insufficient data available from these monitoring wells to complete a statistical evaluation (minimum of 4 data points required) through the first 2025 semiannual event. Results from these two wells will be compared directly to the GWPS until the minimum of four data points are available to statistically evaluate the results. Concentrations of arsenic and lithium at MW-17-16 are above the GWPS by direct comparison.

3.3 Data Comparison to Groundwater Protection Standards – Second Semiannual Event (October 2025)

Statistical analysis for the second semiannual monitoring event was performed using the statistical methods detailed in the *Appendix IV Assessment Monitoring Statistical Evaluation for October 2025* technical memorandum provided in Appendix E. The calculated upper and lower confidence limits and comparison of the lower confidence limits to the GWPSs for the October 2025 event are provided in Table 6. Lithium at MW-17-16 was observed at statistically significant levels exceeding the Appendix IV GWPS during the October 2025 assessment monitoring event.

The RRPP BAB nature and extent groundwater data collected since 2018 were also evaluated using confidence interval analysis in accordance with the Stats Plan as detailed in Appendix E. The statistical analysis confirms that there are no statistically significant concentrations present above the GWPS in the nature and extent wells. In addition, all of the land that overlies the potentially affected groundwater is owned by DTE Electric.

4.0 Corrective Action

According to §257.95(g)(3), in the event that the facility determines, pursuant to §257.93(h), that a result is reported above GWPSs for one or more of the Appendix IV constituents, the facility will, within 90 days of performing the statistical analysis, initiate an assessment of corrective measures to prevent further releases, to remediate any releases, and to restore affected area to original conditions. The Assessment of Corrective Measures (ACM) must be completed within 90 days unless the owner or operator demonstrates the need for additional time to complete the assessment of corrective measures due to site-specific conditions or circumstances.

4.1 Interim Measures

DTE Electric has been proactively managing the potential groundwater migration pathway since 2018. DTE Electric's initial management strategy was to operate a groundwater extraction system to mitigate any risk of migration of CCR constituents from the RRPP BAB to groundwater. This system was constructed during January and February 2018, began operation in early March 2018, was operational through September 15, 2022, and effectively captured CCR-affected groundwater in the vicinity of the RRPP BAB in that time period. As discussed below, the groundwater system was shut down in late September 2022 to allow the hydraulic and geochemistry conditions in groundwater to stabilize prior to implementing an in-situ pilot test.

4.2 Assessment of Corrective Measures and CCR Removal

DTE Electric initiated the ACM on January 14, 2019, completed the initial ACM Report on April 15, 2019, and completed Semi-Annual Progress Reports on the remedy selection and design in accordance with §257.97(a) through 2023 until the Selection of Remedy Report was completed in November 2023 (TRC, November 2023) as discussed below. The preferred alternative in the 2019 ACM was to close the RRPP BAB by CCR removal with offsite CCR disposal and to address the CCR-affected groundwater by continuing to operate the already in-place interim groundwater collection system.

The RRPP BAB CCR unit Closure Plan was updated in July 2020 (TRC, July 2020). In accordance with §257.101(a)(1), closure for the River Rouge BAB CCR unit was initiated 30-days after the last known receipt of waste. The RRPP ceased coal fired operations in May 2020 and the BAB closure by CCR removal was completed with construction equipment mobilization occurring in June 2020, and CCR removal occurring from July through September 2020 as documented in the *Bottom Ash Basin Closure Certification Report DTE Electric Company River Rouge Power Plant Bottom Ash Basin Coal Combustion Residual Unit, 1 Belanger Park Drive, River Rouge, Michigan* (Closure Certification Report) (TRC, November 2020, Revised February 2021). After CCR removal was completed, the former BAB was repurposed into a non-CCR process water pond.

Since the removal of CCR through the first semiannual monitoring period of 2022 arsenic at MW-16-01 was the only ongoing exceedance of the GWPS within the downgradient monitoring wells. In October 2022, DTE Electric revised the 2019 ACM to include additional innovative technology that was not considered in the initial ACM to address the persistent post-CCR

removal concentrations of arsenic at MW-16-01. As detailed in an October 2022 ACM update (TRC, October 4, 2022), DTE Electric conducted a bench-scale treatability study in early 2022 using site groundwater and soil to evaluate two in-situ treatment options for removing arsenic from groundwater at the former RRPP BAB CCR unit and to potentially provide a final groundwater remedy for this site. These included: (1) zero-valent iron (ZVI), and (2) a solution of guar gum and ferrous sulfate. Results from this study indicated that ZVI was effective at removing both arsenate and arsenite from site groundwater. In addition, application of ferrous sulfate and guar gum was successful at stimulating anaerobic bacteria and enhanced the reduction of arsenic from groundwater through biological processes.

On September 15, 2022, the groundwater collection system was shut down to allow the RRPP BAB CCR unit groundwater hydraulic and geochemistry conditions to stabilize prior to implementing an in-situ pilot test. Beginning in November 2022, DTE Electric commenced an in-situ pilot scale test centered on monitoring well MW-16-01 where elevated levels of arsenic have persisted. This pilot test was completed to confirm that the findings from the bench scale testing, namely that the in-place immobilization of arsenic by injection of specific reagents, could be replicated in the field and subsequently scaled up for full implementation as an alternative to continued operation of the groundwater extraction system. The in-situ pilot study was completed in May 2023. The pilot test results substantiated the bench study conclusions while also demonstrating that geochemical sequestration can be effectively applied via amendment injection to remove arsenic from groundwater in the affected/treated areas. The pilot test results are presented within the *Groundwater Treatment System Pilot-Scale Test: Implementation and Performance Report* (TRC, October 11, 2023) included in the *2023 Annual Groundwater Monitoring Report for the River Rouge Power Plant* (2023 Annual Report) (TRC, January 2024).

Lithium concentrations in groundwater at monitoring well MW-16-01 increased slightly following the suspension of the extraction system operation and the initiation of the in-situ pilot test in September 2022. After finalization of the initial Selection of Remedy report, remediation activities (contracting, scheduling etc.) were initiated in late 2023 and early 2024; however, lithium continued to be present above the GWPS in late 2023 and early 2024. In response, DTE Electric conducted a bench-scale treatability study in 2024 using site groundwater and soil to evaluate an alternative reagent (FerroBlack®-Fe+) that was identified for removing both arsenic and lithium from groundwater at the former RRPP BAB. Results from this study indicated that this reagent was effective at removing both arsenic and lithium from groundwater to below their respective GWPSs. In 2025, DTE Electric continued negotiations with the EGLE for approval of a RAP to address groundwater concentrations above state cleanup standards associated with former power plant operations. The RAP is anticipated to be approved by EGLE in early 2026. Therefore, following EGLE approval of the RAP, DTE Electric is planning to perform a pilot scale remedial injection of FerroBlack®-Fe+ down hydraulic gradient of the former BAB in 2026 to evaluate the potential for this reagent to complete the final remedy for arsenic and lithium in groundwater.

4.3 Public Meeting and Final Remedy Selection

On October 12, 2023, DTE Electric discussed the results of the corrective measures assessment with interested and affected parties in a public meeting, providing at least 30 days for comments to be received prior to the formulation of a Selection of Final Remedy Report as required under §257.96(e). On November 30, 2023, the *Final Selection of Remedy Report* was completed with the final remedy selected being closure by removal with the Geochemical Sequestration via Amendment Injection for groundwater per §257.97 (TRC, November 30, 2023). Documentation of the October 12, 2023 public meeting required under §257.96(e) is included within the *Final Selection of Remedy Report* (TRC, November 30, 2023).

Following the identification of increased lithium concentrations through 2024, a bench-scale study was conducted to evaluate an alternative reagent to remove both arsenic and lithium. Results from this study indicated that this reagent was effective at removing both arsenic and lithium from groundwater to below their respective GWPSs. This indicated that the final remedy selected, closure by removal with geochemical sequestration via amendment injection is still appropriate to address both arsenic and lithium in groundwater.

4.4 Implementation of the Corrective Action Program

Key components of the final remedy have already been completed with the removal of CCR from the BAB in 2020 as documented in the Closure Certification Report. Additional remedial measures to address the remaining concentrations above the GWPS in groundwater using geochemical sequestration via amendment injection are anticipated to continue. In addition, pursuant to §257.98(1), DTE Electric will continue to implement the assessment monitoring program to evaluate the effectiveness of the corrective action remedy and to demonstrate attainment of the GWPSs at the completion of remedial activities.

The May 8, 2024 CCR Rule Legacy amendment, which became effective November 8, 2024, expands §257.102(c) to allow two schedule options for the completion of closure by CCR removal: 1) completing all closure and decontamination activities during the active life of the CCR unit or 2) completing removal and decontamination activities during the active life and post-closure care period of the CCR unit. As noted above, DTE Electric has completed removal of CCR materials from the BAB within five years of commencing closure activities, as required in §257.102(f). However, concentrations of Appendix IV constituents remain above the GWPS following CCR removal. Therefore, DTE Electric will continue to complete groundwater corrective action during the post-closure care period under §257.102(c)(2) following the procedures included in a revised closure plan, a revised selection of remedy report, and a post-closure plan that will be prepared following RAP approval.

Groundwater monitoring at the background, downgradient compliance, and nature and extent well locations will be performed in accordance with the existing QAPP or an updated QAPP when planned remediation is completed. Statistical analysis will be performed at the downgradient compliance wells and downgradient nature and extent wells in accordance with the Stats Plan and Unified Guidance, as appropriate, to evaluate the effectiveness of the remedy and progress toward attaining the GWPS during and after the remedy implementation.

Attainment of the GWPS will be demonstrated in groundwater downgradient from the BAB over a period of three consecutive years using the statistical procedures and performance standards in §257.93(f) and (g).

5.0 Conclusions and Recommendations

In 2025, the semiannual assessment monitoring and annual nature and extent groundwater sampling continued. Lithium was observed at statistically significant levels exceeding the Appendix IV GWPS during the 2025 reporting period. Closure by removal has been completed, the final remedy for groundwater has been selected in November 2023 per §257.97, and corrective action implementation is progressing pursuant to §257.98.

Per §257.98(a)(1), DTE Electric will continue semiannual assessment monitoring as specified in §257.95, along with annual nature and extent monitoring per §257.95(g)(1), in 2026 for the RRPP BAB CCR unit to evaluate the effectiveness of the implemented corrective measures. Additionally, DTE Electric anticipates that implementation of the selected final groundwater remedy will continue in 2026. DTE Electric will continue executing the self-implementing groundwater compliance schedule in conformance with §257.90 - §257.98. The next semiannual monitoring events are scheduled for the second and fourth calendar quarters of 2026.

6.0 Groundwater Monitoring Report Certification

The U.S. EPA's Disposal of Coal Combustion Residuals from Electric Utilities Final Rule Title 40 CFR Part 257 §257.90(e) requires that the owner or operator of an existing CCR unit prepare an annual groundwater monitoring and corrective action report.

Annual Groundwater Monitoring Report Certification
River Rouge Power Plant Bottom Ash Basin
River Rouge, Michigan

CERTIFICATION

I hereby certify that the annual groundwater and corrective action report presented within this document for the RRPP BAB CCR unit has been prepared to meet the requirements of Title 40 CFR §257.90(e) of the Federal CCR Rule. This document is accurate and has been prepared in accordance with good engineering practices, including the consideration of applicable industry standards, and with the requirements of Title 40 CFR §257.90(e).

Name: David B. McKenzie, P.E.	Expiration Date: December 17, 2027	STATE OF MICHIGAN DAVID B MCKENZIE ENGINEER No. 6201042332 LICENSED PROFESSIONAL ENGINEER Stamp 1/30/26
Company: TRC Engineers Michigan, Inc.	Date: January 30, 2026	

7.0 References

TRC. August 2016; Revised March and August 2017. CCR Groundwater Monitoring and Quality Assurance Project Plan – DTE Electric Company River Rouge Power Plant Bottom Ash Basin, 1 Belanger Park Drive, River Rouge, Michigan. Prepared for DTE Electric Company.

TRC. October 2017. Groundwater Monitoring System Summary Report – DTE Electric Company River Rouge Power Plant Bottom Ash Basin Coal Combustion Residual Unit, 1 Belanger Park Drive, River Rouge, Michigan. Prepared for DTE Electric Company.

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TRC. January 2018. Annual Groundwater Monitoring Report, DTE Electric Company, River Rouge Power Plant, Bottom Ash Basin Coal Combustion Residual Unit, prepared for DTE Electric Company. TRC Environmental Corporation.

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TRC. January 2024. 2023 Annual Groundwater Monitoring and Corrective Action Report, DTE Electric Company, River Rouge Power Plant, Bottom Ash Basin Coal Combustion Residual Unit, prepared for DTE Electric Company.

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Tables

Table 1

Summary of Groundwater Elevation Data - 2025

River Rouge Power Plant Former Bottom Ash Basin – RCRA CCR Monitoring Program

River Rouge, Michigan

Well ID	Date Installed	Reference Elevation	Geologic Unit of Screened Interval	Screened Interval Elevation	4/28/2025		10/6/2025	
					Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
				ft	ft BTOC	ft	ft BTOC	ft
MP-01	6/23/2016	579.26[(1)]	NA	NA	2.20	577.06	2.46	576.80
MP-03	6/20/2017	578.42[(1)]	NA	NA	4.57	573.85	4.94	573.48
MP-04	6/20/2017	579.17[(1)]	NA	NA	NM		NM	
MP-05		577.51[(1)]	NA	NA	3.63	573.88	NM	
MW-16-01	6/13/2016	583.02	Sand/Silty Clay/Gravel	562.0 to 557.0	8.85	574.17	9.15	573.87
MW-16-02	6/20/2017	582.79	Silty Sand/Sand/Clay/Gravel	561.4 to 556.4	8.60	574.19	8.99	573.80
MW-16-03	6/10/2016	582.75	Sand with Gravel	561.4 to 556.4	8.78	573.97	9.29	573.46
MW-16-04S	3/17/2016	582.41	Sand and Gravel	561.2 to 556.2	7.35	575.06	8.03	574.38
MW-17-01	6/7/2017	578.47	Sand/Silty Sand	558.0 to 563.0	2.59	575.88	2.87	575.60
MW-17-02	6/7/2017	581.24	Sand	553.8 to 558.8	6.37	574.87	6.65	574.59
MW-17-03	6/8/2017	580.20	Sand/Gravel with Sand/Clay	552.5 to 557.5	5.80	574.40	7.17	573.03
MW-17-04	6/8/2017	578.01	Sand	553.5 to 558.5	3.82	574.19	4.56	573.45
MW-17-05	6/9/2017	581.61	Sand/Silty Sand with Gravel	553.6 to 558.6	6.38	575.23	7.20	574.41
MW-17-06	6/7/2017	583.01	Silty Sand/Gravel with Sand	559.9 to 554.9	6.95	576.06	7.82	575.19
MW-17-07	6/14/2017	583.05	Silt with Sand/Clay	564.0 to 559.0	6.23	576.82	7.64	575.41
MW-17-08	6/12/2017	580.52	Clay/Sand/Gravel	553.0 to 558.0	6.35	574.17	6.79	573.73
MW-17-09	6/13/2017	581.05	Clay/Sand/Gravel with Sand	553.6 to 558.6	6.94	574.11	7.35	573.70
MW-17-10	6/13/2017	581.41	Silty Sand/Clay/Sand	555.7 to 560.7	6.41	575.00	7.43	573.98
MW-17-12	12/12/2017	580.51	Silty Sand/Gravel with Sand	555.5 to 560.5	5.52	574.99	6.15	574.36
MW-17-13	12/6/2017	578.90	Silty Sand/Clay/Gravel with Sand	555.9 to 560.9	4.57	574.25	5.05	573.85
MW-17-14	12/7/2017	579.35	Clay/Gravel with Sand	554.9 to 559.9	5.02	574.33	5.54	573.81
MW-17-15	12/8/2017	579.75	Silty Sand/Clay/Gravel with Sand	556.0 to 561.0	5.46	574.29	6.07	573.68
MW-17-16	12/7/2017	579.73	Sand with Silt/Clay with Silt/Gravel with Sand	558.2 to 567.2	5.70	574.03	6.22	573.51
MW-17-17	12/11/2017	579.35	Silty Sand/Sand with Gravel	557.8 to 562.8	5.22	574.13	5.81	573.54
MW-17-18	12/8/2017	579.00	Sand and Clay	557.7 to 562.7	3.61	575.39	4.43	574.57
MW-17-19	12/11/2017	577.99	Sand and Clay	551.4 to 556.4	3.02	574.97	3.94	574.05
MW-17-20	12/12/2017	579.40	Clay/Sand/Gravel with Sand	555.1 to 560.1	4.04	575.36	5.00	574.40

Notes:

Elevations are reported in feet relative to the North American Vertical Datum of 1988.

ft BTOC - feet below top of casing

NA - not applicable

NM - not measured

1) Elevation represents the point of reference used to collect surface water level measurements.

Table 2
Summary of Groundwater Field Parameters - 2025
River Rouge Power Plant Former Bottom Ash Basin - RCRA CCR Monitoring Program
River Rouge, Michigan

Sample Location	Sample Date	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH (SU)	Specific Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)
Background Wells							
MW-17-06	4/28/2025	0.07	-28.6	6.5	3,574	14.4	6.37
	10/7/2025	0.10	39.3	6.6	4,028	15.7	1.15
MW-17-07	4/28/2025	0.71	-22.4	6.8	8,288	14.1	2.03
	10/7/2025	0.22	57.6	6.7	9,239	15.0	0.89
Downgradient Wells							
MW-16-01	4/28/2025	0.17	-182.9	9.4	1,297	12.2	2.78
	10/7/2025	0.08	-165.4	9.0	1,254	15.3	2.02
MW-16-02	4/28/2025	0.10	-51.6	7.0	1,208	13.0	4.23
	10/7/2025	0.18	29.1	7.1	1,432	16.1	1.95
MW-16-03	4/28/2025	0.17	-89.5	7.1	965	12.5	3.06
	10/7/2025	0.06	-5.0	7.2	1,124	14.3	2.96
MW-17-16	4/28/2025	0.86	-68.2	7.2	971	14.6	3.74
	10/7/2025	0.17	-34.1	7.5	1,051	15.4	1.63
MW-17-17	4/28/2025	0.08	-91.8	7.0	813	12.4	2.05
	10/7/2025	0.07	-4.2	7.3	676	14.1	1.89
Nature and Extent Wells							
MW-16-04S	10/8/2025	0.22	30.3	7.7	1,324	13.0	3.15
MW-17-05	10/8/2025	0.08	0.3	6.9	2,789	13.2	3.32
MW-17-12	10/15/2024	1.58	-138.0	7.3	2,654	14.0	8.00
MW-17-13	10/15/2024	1.37	-149.5	7.5	2,598	13.3	9.95
MW-17-14	10/8/2025	0.45	11.9	7.1	1,899	14.7	4.20
MW-17-15	10/8/2025	0.19	-67.3	7.1	1,416	13.2	3.90
MW-17-18	10/15/2024	1.60	-179.9	7.2	2,365	15.2	10.00
MW-17-20	10/8/2025	0.28	-40.8	6.7	4,619	12.8	1.08

Notes:
mg/L -Milligrams per Liter.
mV - Millivolts.
SU - Standard Units.
umhos/cm - Micromhos per centimeter.
°C - Degrees Celsius.
NTU - Nephelometric Turbidity Unit

Table 3
Summary of Groundwater Analytical Data - 2025
River Rouge Power Plant Former Bottom Ash Basin – RCRA CCR Monitoring Program
River Rouge, Michigan

					Sample Location:	MW-17-06		MW-17-07		MW-16-01		MW-16-02	
					Sample Date:	4/28/2025	10/7/2025	4/28/2025	10/7/2025	4/28/2025	10/7/2025	4/28/2025	10/7/2025
Constituent	Unit	EPA MCL	EPA RSL	UTL	GWPS	Background				Downgradient			
Appendix III													
Boron	ug/L	NC	NA	NA	NA	560	440	640	590	1,200	1,000	840	790
Calcium	ug/L	NC	NA	NA	NA	320,000	310,000	470,000	490,000	55,000	58,000	170,000	190,000
Chloride	mg/L	250*	NA	NA	NA	600	810	2,400	1,400	180	150	28	62
Fluoride	mg/L	4.0	NA	1.3	4.0	0.34	0.36	0.38	0.46	0.45	0.76	0.46	0.47
pH, Field	SU	6.5 - 8.5*	NA	NA	NA	6.5	6.6	6.8	6.7	9.4	9.0	7.0	7.1
Sulfate	mg/L	250*	NA	NA	NA	580	450	1,500	880	390	420	370	480
Total Dissolved Solids	mg/L	500*	NA	NA	NA	2,300	2,600	6,300	6,500	900	900	920	1,100
Appendix IV													
Antimony	ug/L	6.0	NA	2.0	6.0	< 2.0	--	< 2.0	--	< 2.0	--	< 2.0	--
Arsenic	ug/L	10	NA	32	**32**	9.4	15	14	13	8.2	13	< 5.0	< 5.0
Barium	ug/L	2000	NA	150	2,000	130	150	31	37	190	140	120	150
Beryllium	ug/L	4.0	NA	1.0	4.0	< 1.0	--	< 1.0	--	< 1.0	--	< 1.0	--
Cadmium	ug/L	5.0	NA	1.0	5.0	< 1.0	--	< 1.0	--	< 1.0	--	< 1.0	--
Chromium	ug/L	100	NA	2.0	100	< 5.0	--	< 5.0	--	< 5.0	--	< 5.0	--
Cobalt	ug/L	NC	6.0	23	23	1.2	< 1.0	6.8	6.6	< 1.0	< 1.0	< 1.0	< 1.0
Fluoride	mg/L	4.0	NA	1.3	4.0	0.34	0.36	0.38	0.46	0.45	0.76	0.46	0.47
Lead	ug/L	NC	15	1.0	15	< 1.0	--	< 1.0	--	< 1.0	--	< 1.0	--
Lithium	ug/L	NC	40	34	**40**	25	25	26	28	**43**	**41**	**52**	**41**
Mercury	ug/L	2.0	NA	0.2	0.2	< 0.20	--	< 0.20	--	< 0.20	--	< 0.20	--
Molybdenum	ug/L	NC	100	22	100	7.1	7.3	12	11	12	11	5.9	< 5.0
Radium-226	pCi/L	NC	NA	NA	NA	1.06	1.49	< 0.340	< 0.338	< 0.394	< 0.392	0.427	0.407
Radium-228	pCi/L	NC	NA	NA	NA	1.46	2.70	< 0.464	1.01	< 0.683	0.688	0.853	1.36
Radium-226/228	pCi/L	5.0	NA	2.8	5.0	2.52	4.19	0.681	1.30	0.868	0.933	1.28	1.77
Selenium	ug/L	50	NA	5.0	50	< 5.0	--	< 5.0	--	< 5.0	--	< 5.0	--
Thallium	ug/L	2.0	NA	1.0	2.0	< 1.0	--	< 1.0	--	< 1.0	--	< 1.0	--

Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
pCi/L - picocuries per liter.
NA - not applicable.
NC - no criteria.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
RSL - Regional Screening Level from 83 FR 36435.
UTL - Upper Tolerance Limit (95%) of the background data set.
GWPS - Groundwater Protection Standard. GWPS is the higher of the MCL/RSL and UTL.
* - Secondary Maximum Contaminant Level (SMCL), EPA Secondary Drinking Water Regulations (SDWR) April, 2012.
-- - not analyzed.
Bold value indicates an exceedance of the GWPS. Data from downgradient monitoring wells are screened against the GWPS for evaluation purposes only. Confidence intervals will be used to determine compliance per the CCR rules.

Table 3
Summary of Groundwater Analytical Data - 2025
River Rouge Power Plant Former Bottom Ash Basin – RCRA CCR Monitoring Program
River Rouge, Michigan

					Sample Location:	**MW-16-03**		**MW-17-16**		**MW-17-17**	
					Sample Date:	4/28/2025	10/7/2025	4/28/2025	10/7/2025	4/28/2025	10/7/2025
Constituent	Unit	EPA MCL	EPA RSL	UTL	GWPS	Downgradient					
Appendix III											
Boron	ug/L	NC	NA	NA	NA	220	150	400	530	540	480
Calcium	ug/L	NC	NA	NA	NA	110,000	130,000	140,000	140,000	86,000	71,000
Chloride	mg/L	250*	NA	NA	NA	130	180	39	68	47	44
Fluoride	mg/L	4.0	NA	1.3	4.0	0.36	0.30	0.76	0.91	0.66	0.67
pH, Field	SU	6.5 - 8.5*	NA	NA	NA	7.1	7.2	7.2	7.5	7.0	7.3
Sulfate	mg/L	250*	NA	NA	NA	30	56	350	270	4.5	8.6
Total Dissolved Solids	mg/L	500*	NA	NA	NA	570	710	750	730	470	400
Appendix IV											
Antimony	ug/L	6.0	NA	2.0	6.0	< 2.0	--	< 2.0	--	< 2.0	--
Arsenic	ug/L	10	NA	32	**32**	< 5.0	< 5.0	**87**	**110**	< 5.0	< 5.0
Barium	ug/L	2000	NA	150	2,000	56	62	210	230	63	53
Beryllium	ug/L	4.0	NA	1.0	4.0	< 1.0	--	< 1.0	--	< 1.0	--
Cadmium	ug/L	5.0	NA	1.0	5.0	< 1.0	--	< 1.0	--	< 1.0	--
Chromium	ug/L	100	NA	2.0	100	< 5.0	--	< 5.0	--	< 5.0	--
Cobalt	ug/L	NC	6.0	23	23	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Fluoride	mg/L	4.0	NA	1.3	4.0	0.36	0.30	0.76	0.91	0.66	0.67
Lead	ug/L	NC	15	1.0	15	< 1.0	--	< 1.0	--	< 1.0	--
Lithium	ug/L	NC	40	34	**40**	11	11	**53**	**59**	11	13
Mercury	ug/L	2.0	NA	0.2	0.2	< 0.20	--	< 0.20	--	< 0.20	--
Molybdenum	ug/L	NC	100	22	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Radium-226	pCi/L	NC	NA	NA	NA	0.420	0.369	< 0.451	< 0.356	0.465	< 0.467
Radium-228	pCi/L	NC	NA	NA	NA	< 0.504	1.63	< 0.635	0.971	< 0.864	1.01
Radium-226/228	pCi/L	5.0	NA	2.8	5.0	0.912	1.99	< 0.635	1.25	< 0.864	1.24
Selenium	ug/L	50	NA	5.0	50	< 5.0	--	< 5.0	--	< 5.0	--
Thallium	ug/L	2.0	NA	1.0	2.0	< 1.0	--	< 1.0	--	< 1.0	--

Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
pCi/L - picocuries per liter.
NA - not applicable.
NC - no criteria.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
RSL - Regional Screening Level from 83 FR 36435.
UTL - Upper Tolerance Limit (95%) of the background data set.
GWPS - Groundwater Protection Standard. GWPS is the higher of the MCL/RSL and UTL.
* - Secondary Maximum Contaminant Level (SMCL), EPA Secondary Drinking Water Regulations (SDWR) April, 2012.
-- - not analyzed.
Bold value indicates an exceedance of the GWPS. Data from downgradient monitoring wells are screened against the GWPS for evaluation purposes only. Confidence intervals will be used to determine compliance per the CCR rules.

Table 4
Summary of Nature and Extent Analytical Data - 2025
River Rouge Power Plant Former Bottom Ash Basin – RCRA CCR Monitoring Program
River Rouge, Michigan

						Sample Location:	MW-16-04S	MW-17-05	MW-17-08	MW-17-12	MW-17-13	MW-17-14	MW-17-15	MW-17-18	MW-17-20
						Sample Date:	10/8/2025	10/8/2025	10/8/2025	10/8/2025	10/8/2025	10/8/2025	10/8/2025	10/8/2025	10/8/2025
Constituent	Unit	EPA MCL	EPA RSL	UTL	GWPS		Nature and Extent								
Appendix III															
Boron	ug/L	NC	NA	NA	NA		1,000	650	--	--	--	640	1,000	400	480
Calcium	ug/L	NC	NA	NA	NA		290,000	360,000	--	--	--	180,000	140,000	230,000	390,000
Chloride	mg/L	250*	NA	NA	NA		130	700	--	--	--	540	250	480	1,400
Fluoride	mg/L	4.0	NA	1.3	4.0		0.61	0.45	--	--	--	0.64	0.81	0.39	0.37
pH, Field	SU	6.5 - 8.5*	NA	NA	NA		7.7	6.9	7.1	6.9	6.8	7.1	7.1	6.8	6.7
Sulfate	mg/L	250*	NA	NA	NA		670	530	--	--	--	130	270	160	320
Total Dissolved Solids	mg/L	500*	NA	NA	NA		1,300	2,400	--	--	--	1,500	1,100	1,500	3,100
Appendix IV															
Antimony	ug/L	6.0	NA	2.0	6.0		--	--	--	--	--	--	--	--	--
Arsenic	ug/L	10	NA	32	32		< 5.0	< 5.0	--	--	--	< 5.0	11	< 5.0	< 5.0
Barium	ug/L	2000	NA	150	2,000		160	150	--	--	--	610	210	120	160
Beryllium	ug/L	4.0	NA	1.0	4.0		--	--	--	--	--	--	--	--	--
Cadmium	ug/L	5.0	NA	1.0	5.0		--	--	--	--	--	--	--	--	--
Chromium	ug/L	100	NA	2.0	100		--	--	--	--	--	--	--	--	--
Cobalt	ug/L	NC	6.0	23	23		< 1.0	< 1.0	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0
Fluoride	mg/L	4.0	NA	1.3	4.0		0.61	0.45	--	--	--	0.64	0.81	0.39	0.37
Lead	ug/L	NC	15	1.0	15		--	--	--	--	--	--	--	--	--
Lithium	ug/L	NC	40	34	**40**		20	40	--	12	14	22	**42**	18	31
Mercury	ug/L	2.0	NA	0.2	0.2		--	--	--	--	--	--	--	--	--
Molybdenum	ug/L	NC	100	22	100		19	< 5.0	--	--	--	< 5.0	20	< 5.0	< 5.0
Radium-226	pCi/L	NC	NA	NA	NA		0.697	1.29	0.376	--	0.795	1.88	0.842	0.645	1.00
Radium-228	pCi/L	NC	NA	NA	NA		1.33	1.46	1.22	--	1.52	3.21	1.52	1.06	2.37
Radium-226/228	pCi/L	5.0	NA	2.8	5.0		2.02	2.75	1.59	--	2.32	**5.09**	2.36	1.70	3.37
Selenium	ug/L	50	NA	5.0	50		--	--	--	--	--	--	--	--	--
Thallium	ug/L	2.0	NA	1.0	2.0		--	--	--	--	--	--	--	--	--

Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
pCi/L - picocuries per liter.
NA - not applicable.
NC - no criteria.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
RSL - Regional Screening Level from 83 FR 36435.
UTL - Upper Tolerance Limit (95%) of the background data set.
GWPS - Groundwater Protection Standard. GWPS is the higher of the MCL/RSL and UTL.
* - Secondary Maximum Contaminant Level (SMCL), EPA Secondary Drinking Water Regulations (SDWR) April, 2012.
-- - not analyzed.
Bold value indicates an exceedance of the GWPS. Data from downgradient monitoring wells are screened against the GWPS for evaluation purposes only. Confidence intervals will be used to determine compliance per the CCR rules.

Table 5
Summary of Groundwater Protection Standard Exceedances – April 2025
River Rouge Power Plant Former Bottom Ash Basin – RCRA CCR Monitoring Program
River Rouge, Michigan

Parameter	Units	GWPS	MW-16-01		MW-16-02		MW-17-16[(1)]	
			LCL	UCL	LCL	UCL	LCL	UCL
Arsenic	ug/L	32	4.8	89	--	--	n < 4	
Lithium	ug/L	40	36	65	12	48	n < 4	

Notes:

ug/L - micrograms per liter.

-- - Not Applicable; well/parameter pair did not directly exceed the GWPS and was not included in further analysis.

GWPS - Groundwater Protection Standard.

UCL - Upper Confidence Limit (99%) of the downgradient data set.

LCL - Lower Confidence Limit (99%) of the downgradient data set.

Indicates a statistically significant exceedance of the GWPS.

An exceedance occurs when the LCL exceeds the GWPS.

(1) Insufficient number of data points (n) available for statistical evaluation; results are compared directly to GWPS until a minimum dataset (four datapoints) exists.

Table 6

Summary of Groundwater Protection Standard Exceedances – October 2025

River Rouge Power Plant Former Bottom Ash Basin – RCRA CCR Monitoring Program

River Rouge, Michigan

Parameter	Units	GWPS	Downgradient						Nature and Extent					
			MW-16-01		MW-16-02		MW-17-16		MW-17-05		MW-17-14		MW-17-15	
			LCL	UCL	LCL	UCL	LCL	UCL	LCL	UCL	LCL	UCL	LCL	UCL
Arsenic	ug/L	32	5.2	140	--	--	32	140	--	--	--	--	11	28
Lithium	ug/L	40	37	65	16	50	43	64	7.6	40	7.8	35	29	58
Radium 226/228	pCi/L	5	--	--	--	--	--	--	--	--	-0.48	5.1	--	--

Notes:

ug/L - micrograms per liter.

pCi/L - picocuries per liter.

-- - Not Applicable; well/parameter pair did not directly exceed the GWPS and was not included in further analysis.

GWPS - Groundwater Protection Standard.

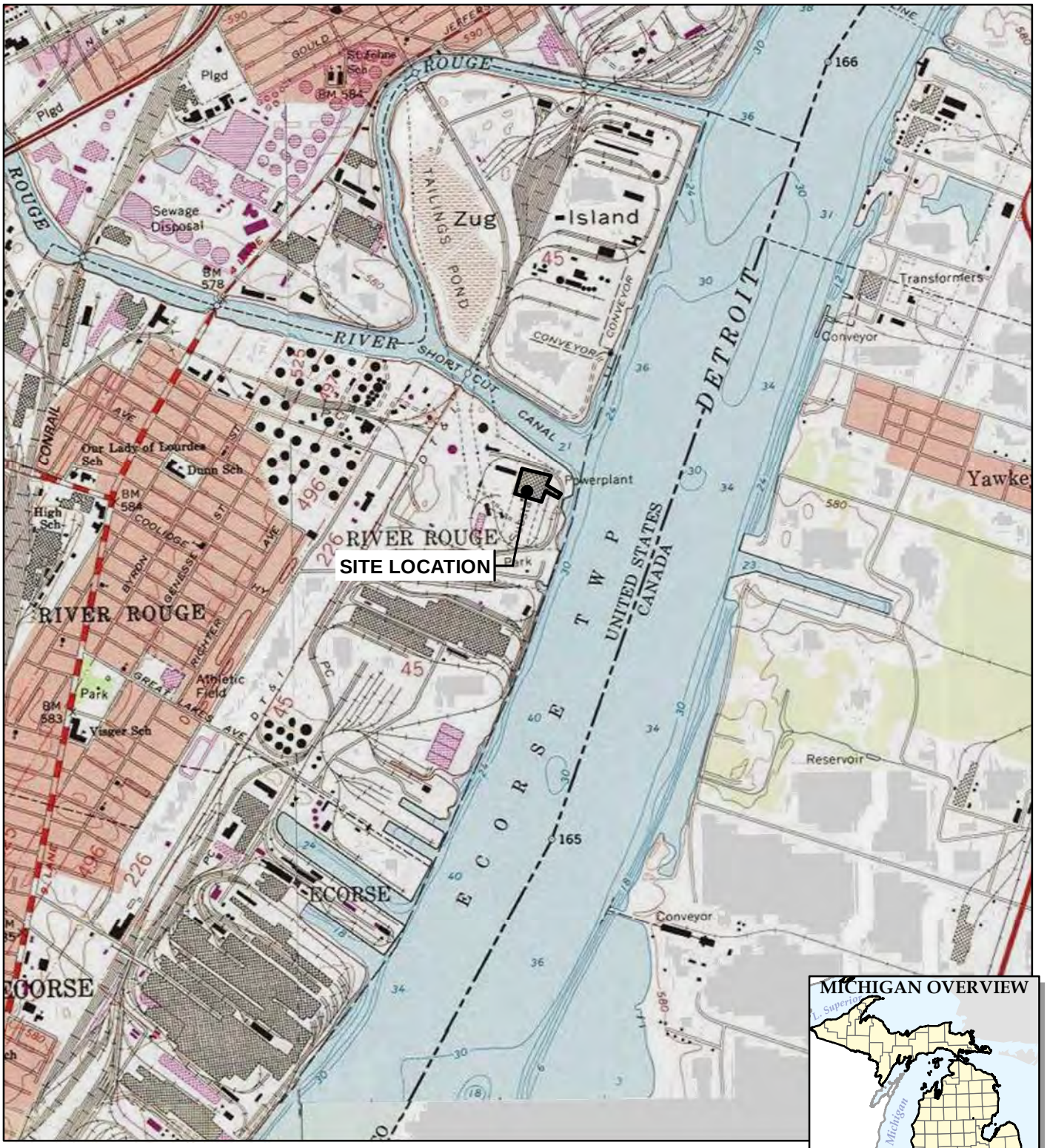
UCL - Upper Confidence Limit (99%) of the downgradient data set.

LCL - Lower Confidence Limit (99%) of the downgradient data set.

Indicates a statistically significant exceedance of the GWPS.

An exceedance occurs when the LCL exceeds the GWPS.

Figures



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '
1:24,000

0 2,000 4,000
FEET

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108-3284
Phone: 734.971.7080
www.trccompanies.com
TRC - GIS

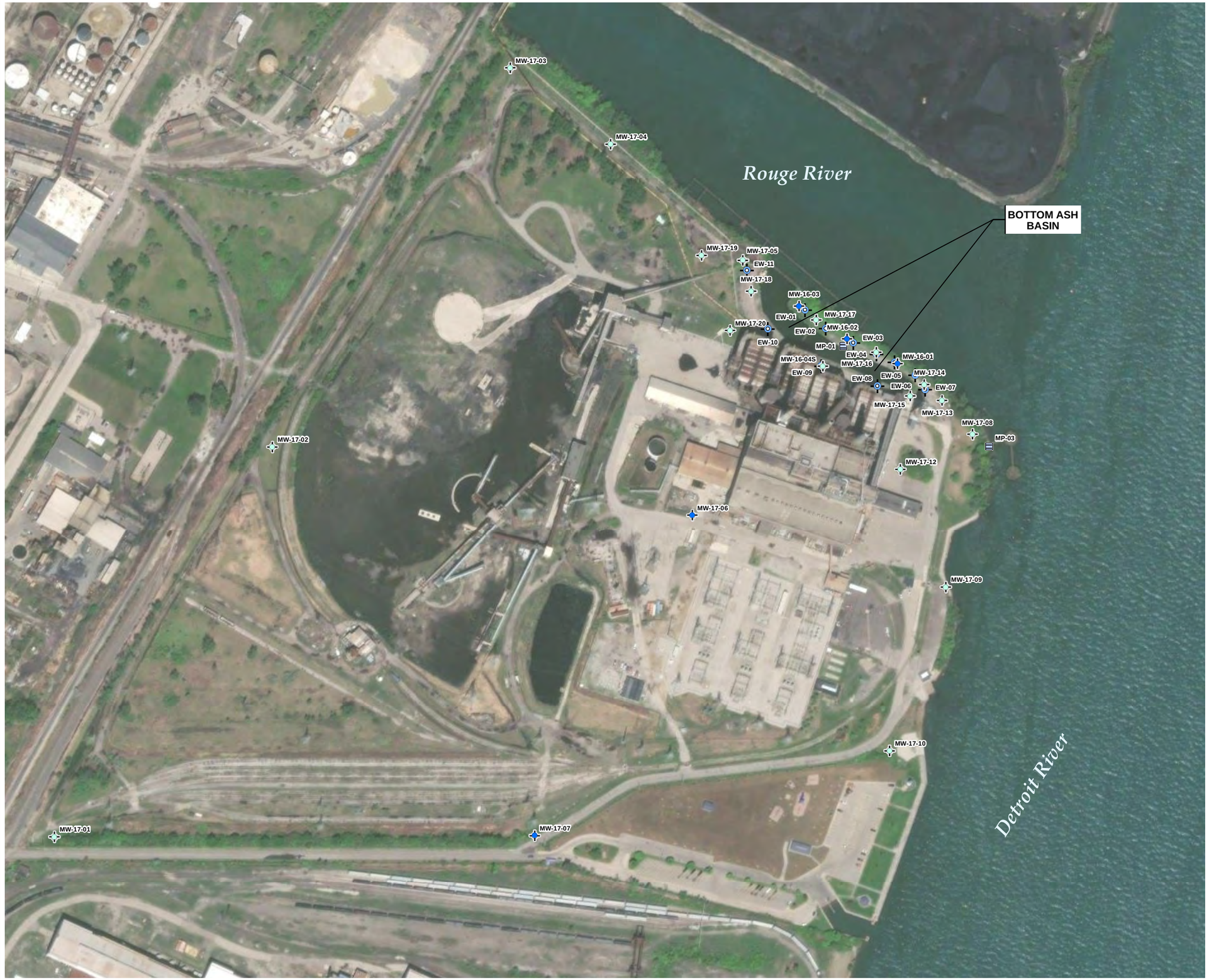
PROJECT:
DTE ELECTRIC COMPANY
RIVER ROUGE POWER PLANT
1 BELANGER PARK DRIVE
RIVER ROUGE, MICHIGAN

TITLE:
SITE LOCATION MAP

DRAWN BY:	A. FOJTIK
CHECKED BY:	J. KRENZ
APPROVED BY:	V. BUENING
DATE:	JANUARY 2026
PROJ. NO.:	000620071.0000.0000
FILE:	620071-0000_Fig1.mxd

FIGURE 1

E:\Projects\DTE\CCR_Sites\2025_620071\MXD\620071-0000_Fig1.mxd -- Saved By: AFOJTIK on 12/5/2025, 15:50:20 PM



LEGEND

- COMPLIANCE WELLS
- MONITORING POINT
- NATURE AND EXTENT WELLS
- EXTRACTION WELL

NOTES

1. BASE MAP IMAGERY FROM ESRI AND PARTNERS, MAY 2025.
2. WELL LOCATIONS SURVEYED BY BMJ ENGINEERS AND SURVEYORS INC. IN JUNE 2016 & JUNE 2017.

N

0 300 600 Feet

1 " = 300 '

1:3,600

PROJECT:

DTE ELECTRIC COMPANY
RIVER ROUGE POWER PLANT BOTTOM ASH BASIN
1 BELANGER PARK DRIVE
RIVER ROUGE, MICHIGAN

TITLE:

MONITORING NETWORK AND SITE PLAN

DRAWN BY:	A. FOJTIK	PROJ NO.:	000620071.0000.0000
CHECKED BY:	J. KRENZ		
APPROVED BY:	V. BUENING		**FIGURE 2**
DATE:	JANUARY 2026		

TRC

1540 Eisenhower Place
Ann Arbor, MI 48108-3284
Phone: 734.971.7080
www.trccompanies.com

FILE NO.: 620071-0000_Fig2.mxd

Plot Date: 1/5/2026, 16:03:30 PM by AFOJTIK -- LAYOUT: ANSI B (11"x17")
Path: E:\Projects\DTE\CCR_Sites\2025_620071\MXD\620071-0000_Fig2.mxd
Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl (Foot)
Map Rotation: 0

TRC - GIS

LEGEND

- NATURE AND EXTENT WELLS
- COMPLIANCE WELLS
- MONITORING POINT
- (574.85) ELEVATION FT (NAVD 88)
- NM NOT MEASURED
- GROUNDWATER CONTOUR (0.5' INTERVAL, DASHED WHERE INFERRED)

NOTES:

1. BASE MAP IMAGERY FROM ESRI, MAY 2025.
2. WELL LOCATIONS SURVEYED BY BMJ ENGINEERS AND SURVEYORS INC. IN JUNE 2016 & JUNE 2017.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988.

0 175 350 Feet

1 " = 350 '

1:4,200

PROJECT:

DTE ELECTRIC COMPANY
RIVER ROUGE POWER PLANT BOTTOM ASH BASIN
1 BELANGER PARK DRIVE
RIVER ROUGE, MICHIGAN

TITLE:

GROUNDWATER POTENTIOMETRIC SURFACE MAP
APRIL 2025

DRAWN BY:	A. FOJTIK	PROJ NO.:	620071.0000
CHECKED BY:	J. KRENZ		
APPROVED BY:	V. BUENING		**FIGURE 3**
DATE:	JANUARY 2026		

TRC
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Ann Arbor, MI 48108-3284
Phone: 734.971.7080
www.trccompanies.com

FILE NO.: River_Rouge.aprx

TRC - GIS
Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl (Foot)
Map Rotation: 0°
Plot Date: 1/6/2026, 09:57:46 AM by AFOJTIK -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\CCR\508418_River_Rouge\River_Rouge\2-APRX\

LEGEND

- NATURE AND EXTENT WELLS
- COMPLIANCE WELLS
- MONITORING POINT
- (574.85) ELEVATION FT (NAVD 88)
- NM NOT MEASURED
- GROUNDWATER CONTOUR (0.5' INTERVAL, DASHED WHERE INFERRED)

NOTES:

1. BASE MAP IMAGERY FROM ESRI, MAY 2025.
2. WELL LOCATIONS SURVEYED BY BMJ ENGINEERS AND SURVEYORS INC. IN JUNE 2016 & JUNE 2017.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988.

0 175 350 Feet

1 " = 350 '

1:4,200

PROJECT:

DTE ELECTRIC COMPANY
RIVER ROUGE POWER PLANT BOTTOM ASH BASIN
1 BELANGER PARK DRIVE
RIVER ROUGE, MICHIGAN

TITLE:

GROUNDWATER POTENTIOMETRIC SURFACE MAP
OCTOBER 2025

DRAWN BY:	A. FOJTIK	PROJ NO.:	620071.0000.0000
CHECKED BY:	J. KRENZ		
APPROVED BY:	V. BUENING		**FIGURE 4**
DATE:	JANUARY 2026		

TRC

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Ann Arbor, MI 48108-3284
Phone: 734.971.7080
www.trccompanies.com

FILE NO.: River_Rouge.aprx

Plot Date: 1/6/2026, 09:57:46 AM by AFOJTIK -- LAYOUT: ANSI B(11"x17")
Path: T:\1-PROJECTS\CCR\508418_River_Rouge\River_Rouge\2-APRX\
Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl (Foot)
Map Rotation: 0°

TRC - GIS

Appendix A
Laboratory Analytical Data

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 5/14/2025 2:03:45 PM

JOB DESCRIPTION

CCR DTE RRPP BAP

JOB NUMBER

240-223401-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
5/14/2025 2:03:45 PM

Authorized for release by
Kris Brooks, Project Manager II
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-223401-1 Eurofins Cleveland

Job Narrative
240-223401-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/1/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.2°C, 2.3°C, 2.6°C and 2.7°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
6020B	Metals (ICP/MS)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
9056A	Anions, Ion Chromatography	SW846	EET CLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-223401-1	MW-16-01	Water	04/28/25 09:40	05/01/25 08:00
240-223401-2	DUP-01	Water	04/28/25 00:00	05/01/25 08:00
240-223401-3	MW-16-02	Water	04/28/25 11:22	05/01/25 08:00
240-223401-4	MW-16-03	Water	04/28/25 11:57	05/01/25 08:00
240-223401-5	MW-17-17	Water	04/28/25 12:44	05/01/25 08:00
240-223401-6	MW-17-16	Water	04/28/25 13:49	05/01/25 08:00
240-223401-7	MW-17-06	Water	04/28/25 15:09	05/01/25 08:00
240-223401-8	MW-17-07	Water	04/28/25 14:32	05/01/25 08:00

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-1

Client Sample ID: MW-16-01 — Lab Sample ID: 240-223401-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1200		100		ug/L	1		6010D	Total Recoverable
Arsenic	8.2		5.0		ug/L	1		6020B	Total Recoverable
Barium	190		5.0		ug/L	1		6020B	Total Recoverable
Molybdenum	12		5.0		ug/L	1		6020B	Total Recoverable
Lithium	43		8.0		ug/L	1		6020B	Total Recoverable
Calcium	55000		1000		ug/L	1		6020B	Total Recoverable
Chloride	180		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.45		0.050		mg/L	1		9056A	Total/NA
Sulfate	390		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	900		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 240-223401-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Arsenic	9.9		5.0		ug/L	1		6020B	Total Recoverable
Barium	210		5.0		ug/L	1		6020B	Total Recoverable
Molybdenum	12		5.0		ug/L	1		6020B	Total Recoverable
Lithium	42		8.0		ug/L	1		6020B	Total Recoverable
Calcium	59000		1000		ug/L	1		6020B	Total Recoverable
Chloride	180		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.47		0.050		mg/L	1		9056A	Total/NA
Sulfate	390		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	930		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-02 — Lab Sample ID: 240-223401-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	840		100		ug/L	1		6010D	Total Recoverable
Barium	120		5.0		ug/L	1		6020B	Total Recoverable
Molybdenum	5.9		5.0		ug/L	1		6020B	Total Recoverable
Lithium	52		8.0		ug/L	1		6020B	Total Recoverable
Calcium	170000		1000		ug/L	1		6020B	Total Recoverable
Chloride	28		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.46		0.050		mg/L	1		9056A	Total/NA
Sulfate	370		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	920		10		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-1

Client Sample ID: MW-16-03 — Lab Sample ID: 240-223401-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	220		100		ug/L	1		6010D	Total Recoverable
Barium	56		5.0		ug/L	1		6020B	Total Recoverable
Lithium	11		8.0		ug/L	1		6020B	Total Recoverable
Calcium	110000		1000		ug/L	1		6020B	Total Recoverable
Chloride	130		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.36		0.050		mg/L	1		9056A	Total/NA
Sulfate	30		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	570		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-17 — Lab Sample ID: 240-223401-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	540		100		ug/L	1		6010D	Total Recoverable
Barium	63		5.0		ug/L	1		6020B	Total Recoverable
Lithium	11		8.0		ug/L	1		6020B	Total Recoverable
Calcium	86000		1000		ug/L	1		6020B	Total Recoverable
Chloride	47		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.66		0.050		mg/L	1		9056A	Total/NA
Sulfate	4.5		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	470		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-16 — Lab Sample ID: 240-223401-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	400		100		ug/L	1		6010D	Total Recoverable
Arsenic	87		5.0		ug/L	1		6020B	Total Recoverable
Barium	210		5.0		ug/L	1		6020B	Total Recoverable
Lithium	53		8.0		ug/L	1		6020B	Total Recoverable
Calcium	140000		1000		ug/L	1		6020B	Total Recoverable
Chloride	39		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.76		0.050		mg/L	1		9056A	Total/NA
Sulfate	350		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	750		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-06 — Lab Sample ID: 240-223401-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	560		100		ug/L	1		6010D	Total Recoverable
Arsenic	9.4		5.0		ug/L	1		6020B	Total Recoverable
Barium	130		5.0		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-17-06 (Continued)

Lab Sample ID: 240-223401-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.2		1.0		ug/L	1		6020B	Total Recoverable
Molybdenum	7.1		5.0		ug/L	1		6020B	Total Recoverable
Lithium	25		8.0		ug/L	1		6020B	Total Recoverable
Calcium	320000		1000		ug/L	1		6020B	Total Recoverable
Chloride	600		5.0		mg/L	5		9056A	Total/NA
Fluoride	0.34		0.25		mg/L	5		9056A	Total/NA
Sulfate	580		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	2300		40		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-07

Lab Sample ID: 240-223401-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	640		100		ug/L	1		6010D	Total Recoverable
Arsenic	14		5.0		ug/L	1		6020B	Total Recoverable
Barium	31		5.0		ug/L	1		6020B	Total Recoverable
Cobalt	6.8		1.0		ug/L	1		6020B	Total Recoverable
Molybdenum	12		5.0		ug/L	1		6020B	Total Recoverable
Lithium	26		8.0		ug/L	1		6020B	Total Recoverable
Calcium	470000		1000		ug/L	1		6020B	Total Recoverable
Chloride	2400		50		mg/L	50		9056A	Total/NA
Fluoride	0.38		0.25		mg/L	5		9056A	Total/NA
Sulfate	1500		50		mg/L	50		9056A	Total/NA
Total Dissolved Solids	6300		50		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-16-01
Lab Sample ID: 240-223401-1
Date Collected: 04/28/25 09:40
Matrix: Water
Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1200**		100		ug/L		05/06/25 14:00	05/07/25 15:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.2**		5.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Barium	**190**		5.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Cobalt	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Molybdenum	**12**		5.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Lithium	**43**		8.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Calcium	**55000**		1000		ug/L		05/06/25 14:00	05/07/25 14:28	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:28	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**180**		1.0		mg/L			05/09/25 17:38	1
Fluoride (SW846 9056A)	**0.45**		0.050		mg/L			05/09/25 17:38	1
Sulfate (SW846 9056A)	**390**		5.0		mg/L			05/09/25 17:59	5
Total Dissolved Solids (SM 2540C)	**900**		10		mg/L			05/05/25 10:42	1

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: DUP-01
Lab Sample ID: 240-223401-2

Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1100**		100		ug/L		05/06/25 14:00	05/07/25 16:19	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.9**		5.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Barium	**210**		5.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Cobalt	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Molybdenum	**12**		5.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Lithium	**42**		8.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Calcium	**59000**		1000		ug/L		05/06/25 14:00	05/07/25 14:40	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:40	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**180**		1.0		mg/L			05/09/25 18:21	1
Fluoride (SW846 9056A)	**0.47**		0.050		mg/L			05/09/25 18:21	1
Sulfate (SW846 9056A)	**390**		5.0		mg/L			05/09/25 18:42	5
Total Dissolved Solids (SM 2540C)	**930**		10		mg/L			05/05/25 10:42	1

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-16-02
Lab Sample ID: 240-223401-3
Date Collected: 04/28/25 11:22
Matrix: Water
Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**840**		100		ug/L		05/06/25 14:00	05/07/25 16:23	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Barium	**120**		5.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Cobalt	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Molybdenum	**5.9**		5.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Lithium	**52**		8.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Calcium	**170000**		1000		ug/L		05/06/25 14:00	05/07/25 14:43	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:43	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**28**		1.0		mg/L			05/09/25 19:46	1
Fluoride (SW846 9056A)	**0.46**		0.050		mg/L			05/09/25 19:46	1
Sulfate (SW846 9056A)	**370**		5.0		mg/L			05/09/25 20:07	5
Total Dissolved Solids (SM 2540C)	**920**		10		mg/L			05/05/25 10:42	1

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-16-03
Lab Sample ID: 240-223401-4
Date Collected: 04/28/25 11:57
Matrix: Water
Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**220**		100		ug/L		05/06/25 14:00	05/07/25 16:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Barium	**56**		5.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Cobalt	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Molybdenum	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Lithium	**11**		8.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Calcium	**110000**		1000		ug/L		05/06/25 14:00	05/07/25 14:45	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:45	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**130**		1.0		mg/L			05/09/25 20:28	1
Fluoride (SW846 9056A)	**0.36**		0.050		mg/L			05/09/25 20:28	1
Sulfate (SW846 9056A)	**30**		1.0		mg/L			05/09/25 20:28	1
Total Dissolved Solids (SM 2540C)	**570**		10		mg/L			05/05/25 10:42	1

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-17-17
Lab Sample ID: 240-223401-5
Date Collected: 04/28/25 12:44
Matrix: Water
Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**540**		100		ug/L		05/06/25 14:00	05/07/25 16:32	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Barium	**63**		5.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Cobalt	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Molybdenum	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Lithium	**11**		8.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Calcium	**86000**		1000		ug/L		05/06/25 14:00	05/07/25 14:53	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:53	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**47**		1.0		mg/L			05/13/25 19:31	1
Fluoride (SW846 9056A)	**0.66**		0.050		mg/L			05/13/25 19:31	1
Sulfate (SW846 9056A)	**4.5**		1.0		mg/L			05/13/25 19:31	1
Total Dissolved Solids (SM 2540C)	**470**		10		mg/L			05/05/25 10:42	1

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-17-16
Lab Sample ID: 240-223401-6
Date Collected: 04/28/25 13:49
Matrix: Water
Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**400**		100		ug/L		05/06/25 14:00	05/07/25 16:37	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**87**		5.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Barium	**210**		5.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Cobalt	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Molybdenum	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Lithium	**53**		8.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Calcium	**140000**		1000		ug/L		05/06/25 14:00	05/07/25 14:55	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:55	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**39**		1.0		mg/L			05/13/25 19:51	1
Fluoride (SW846 9056A)	**0.76**		0.050		mg/L			05/13/25 19:51	1
Sulfate (SW846 9056A)	**350**		5.0		mg/L			05/13/25 20:00	5
Total Dissolved Solids (SM 2540C)	**750**		10		mg/L			05/05/25 10:42	1

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-17-06
Lab Sample ID: 240-223401-7

Date Collected: 04/28/25 15:09
Matrix: Water

Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**560**		100		ug/L		05/06/25 14:00	05/07/25 16:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.4**		5.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Barium	**130**		5.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Cobalt	**1.2**		1.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Molybdenum	**7.1**		5.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Lithium	**25**		8.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Calcium	**320000**		1000		ug/L		05/06/25 14:00	05/07/25 14:58	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:58	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**600**		5.0		mg/L			05/13/25 20:10	5
Fluoride (SW846 9056A)	**0.34**		0.25		mg/L			05/13/25 20:10	5
Sulfate (SW846 9056A)	**580**		5.0		mg/L			05/13/25 20:10	5
Total Dissolved Solids (SM 2540C)	**2300**		40		mg/L			05/05/25 10:42	1

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-17-07
Lab Sample ID: 240-223401-8
Date Collected: 04/28/25 14:32
Matrix: Water
Date Received: 05/01/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**640**		100		ug/L		05/06/25 14:00	05/07/25 16:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		5.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Barium	**31**		5.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Cobalt	**6.8**		1.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Molybdenum	**12**		5.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Lithium	**26**		8.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Calcium	**470000**		1000		ug/L		05/06/25 14:00	05/07/25 15:00	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 15:00	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 15:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**2400**		50		mg/L			05/13/25 20:39	50
Fluoride (SW846 9056A)	**0.38**		0.25		mg/L			05/13/25 20:29	5
Sulfate (SW846 9056A)	**1500**		50		mg/L			05/13/25 20:39	50
Total Dissolved Solids (SM 2540C)	**6300**		50		mg/L			05/05/25 10:42	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-654928/1-A
Matrix: Water
Analysis Batch: 655131

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		05/06/25 14:00	05/07/25 15:39	1

Lab Sample ID: LCS 240-654928/2-A
Matrix: Water
Analysis Batch: 655131

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1070		ug/L		107	80 - 120		

Lab Sample ID: 240-223401-1 MS
Matrix: Water
Analysis Batch: 655131

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	1200		1000	2210		ug/L		101	75 - 125		

Lab Sample ID: 240-223401-1 MSD
Matrix: Water
Analysis Batch: 655131

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1200		1000	2120		ug/L		92	75 - 125	4	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-654928/1-A
Matrix: Water
Analysis Batch: 655180

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Barium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Cadmium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Cobalt	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Chromium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Molybdenum	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Lead	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Selenium	5.0	U	5.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Lithium	8.0	U	8.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Beryllium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Calcium	1000	U	1000		ug/L		05/06/25 14:00	05/07/25 14:23	1
Antimony	2.0	U	2.0		ug/L		05/06/25 14:00	05/07/25 14:23	1
Thallium	1.0	U	1.0		ug/L		05/06/25 14:00	05/07/25 14:23	1

Lab Sample ID: LCS 240-654928/3-A
Matrix: Water
Analysis Batch: 655180

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			1000	980		ug/L		98	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-654928/3-A
Matrix: Water
Analysis Batch: 655180

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	1000	968		ug/L		97	80 - 120
Cadmium	500	470		ug/L		94	80 - 120
Cobalt	500	512		ug/L		102	80 - 120
Chromium	500	489		ug/L		98	80 - 120
Molybdenum	500	490		ug/L		98	80 - 120
Lead	500	525		ug/L		105	80 - 120
Selenium	1000	959		ug/L		96	80 - 120
Lithium	500	497		ug/L		99	80 - 120
Beryllium	500	483		ug/L		97	80 - 120
Calcium	25000	24700		ug/L		99	80 - 120
Antimony	100	97.6		ug/L		98	80 - 120
Thallium	1000	1120		ug/L		112	80 - 120

Lab Sample ID: 240-223401-1 MS
Matrix: Water
Analysis Batch: 655180

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	8.2		1000	1010		ug/L		100	80 - 120
Barium	190		1000	1170		ug/L		97	80 - 120
Cadmium	1.0	U	500	466		ug/L		93	80 - 120
Cobalt	1.0	U	500	516		ug/L		103	80 - 120
Chromium	5.0	U	500	487		ug/L		97	80 - 120
Molybdenum	12		500	512		ug/L		100	80 - 120
Lead	1.0	U	500	520		ug/L		104	80 - 120
Selenium	5.0	U	1000	908		ug/L		91	80 - 120
Lithium	43		500	543		ug/L		100	80 - 120
Beryllium	1.0	U	500	474		ug/L		95	80 - 120
Calcium	55000		25000	81900		ug/L		108	80 - 120
Antimony	2.0	U	100	100		ug/L		100	80 - 120
Thallium	1.0	U	1000	1110		ug/L		111	80 - 120

Lab Sample ID: 240-223401-1 MSD
Matrix: Water
Analysis Batch: 655180

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 654928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	8.2		1000	1010		ug/L		101	80 - 120	1	20
Barium	190		1000	1170		ug/L		98	80 - 120	1	20
Cadmium	1.0	U	500	469		ug/L		94	80 - 120	1	20
Cobalt	1.0	U	500	521		ug/L		104	80 - 120	1	20
Chromium	5.0	U	500	484		ug/L		97	80 - 120	1	20
Molybdenum	12		500	515		ug/L		101	80 - 120	1	20
Lead	1.0	U	500	519		ug/L		104	80 - 120	0	20
Selenium	5.0	U	1000	907		ug/L		91	80 - 120	0	20
Lithium	43		500	540		ug/L		99	80 - 120	1	20
Beryllium	1.0	U	500	481		ug/L		96	80 - 120	1	20
Calcium	55000		25000	80200		ug/L		101	80 - 120	2	20
Antimony	2.0	U	100	99.5		ug/L		100	80 - 120	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-223401-1 MSD — **Client Sample ID: MW-16-01**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 655180 — **Prep Batch: 654928**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thallium	1.0	U	1000	1110		ug/L		111	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-654932/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 655118 — **Prep Batch: 654932**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20		ug/L		05/06/25 14:00	05/07/25 11:02	1

Lab Sample ID: LCS 240-654932/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 655118 — **Prep Batch: 654932**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	5.43		ug/L		109	80 - 120		

Lab Sample ID: 240-223401-1 MS — **Client Sample ID: MW-16-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 655118 — **Prep Batch: 654932**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.20	U	1.00	0.974		ug/L		97	80 - 120		

Lab Sample ID: 240-223401-1 MSD — **Client Sample ID: MW-16-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 655118 — **Prep Batch: 654932**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.03		ug/L		103	80 - 120	5	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-655322/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 655322

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			05/09/25 07:02	1
Fluoride	0.050	U	0.050		mg/L			05/09/25 07:02	1
Sulfate	1.0	U	1.0		mg/L			05/09/25 07:02	1

Lab Sample ID: LCS 240-655322/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 655322

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	50.7		mg/L		101	90 - 110		
Fluoride			2.50	2.64		mg/L		106	90 - 110		
Sulfate			50.0	52.2		mg/L		104	90 - 110		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-655874/3
Matrix: Water
Analysis Batch: 655874

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			05/13/25 17:35	1
Fluoride	0.050	U	0.050		mg/L			05/13/25 17:35	1
Sulfate	1.0	U	1.0		mg/L			05/13/25 17:35	1

Lab Sample ID: LCS 240-655874/4
Matrix: Water
Analysis Batch: 655874

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	48.7		mg/L		97	90 - 110		
Fluoride			2.50	2.50		mg/L		100	90 - 110		
Sulfate			50.0	49.8		mg/L		100	90 - 110		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-654750/1
Matrix: Water
Analysis Batch: 654750

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			05/05/25 10:42	1

Lab Sample ID: LCS 240-654750/2
Matrix: Water
Analysis Batch: 654750

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			176	166		mg/L		94	80 - 120		

Lab Sample ID: 240-223401-5 DU
Matrix: Water
Analysis Batch: 654750

Client Sample ID: MW-17-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	470			474		mg/L				1	20

Metals

Prep Batch: 654928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total Recoverable	Water	3005A	
240-223401-2	DUP-01	Total Recoverable	Water	3005A	
240-223401-3	MW-16-02	Total Recoverable	Water	3005A	
240-223401-4	MW-16-03	Total Recoverable	Water	3005A	
240-223401-5	MW-17-17	Total Recoverable	Water	3005A	
240-223401-6	MW-17-16	Total Recoverable	Water	3005A	
240-223401-7	MW-17-06	Total Recoverable	Water	3005A	
240-223401-8	MW-17-07	Total Recoverable	Water	3005A	
MB 240-654928/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-654928/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-654928/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-223401-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-223401-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-223401-1 MSD	MW-16-01	Total Recoverable	Water	3005A	
240-223401-1 MSD	MW-16-01	Total Recoverable	Water	3005A	

Prep Batch: 654932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total/NA	Water	7470A	
240-223401-2	DUP-01	Total/NA	Water	7470A	
240-223401-3	MW-16-02	Total/NA	Water	7470A	
240-223401-4	MW-16-03	Total/NA	Water	7470A	
240-223401-5	MW-17-17	Total/NA	Water	7470A	
240-223401-6	MW-17-16	Total/NA	Water	7470A	
240-223401-7	MW-17-06	Total/NA	Water	7470A	
240-223401-8	MW-17-07	Total/NA	Water	7470A	
MB 240-654932/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-654932/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-223401-1 MS	MW-16-01	Total/NA	Water	7470A	
240-223401-1 MSD	MW-16-01	Total/NA	Water	7470A	

Analysis Batch: 655118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total/NA	Water	7470A	654932
240-223401-2	DUP-01	Total/NA	Water	7470A	654932
240-223401-3	MW-16-02	Total/NA	Water	7470A	654932
240-223401-4	MW-16-03	Total/NA	Water	7470A	654932
240-223401-5	MW-17-17	Total/NA	Water	7470A	654932
240-223401-6	MW-17-16	Total/NA	Water	7470A	654932
240-223401-7	MW-17-06	Total/NA	Water	7470A	654932
240-223401-8	MW-17-07	Total/NA	Water	7470A	654932
MB 240-654932/1-A	Method Blank	Total/NA	Water	7470A	654932
LCS 240-654932/2-A	Lab Control Sample	Total/NA	Water	7470A	654932
240-223401-1 MS	MW-16-01	Total/NA	Water	7470A	654932
240-223401-1 MSD	MW-16-01	Total/NA	Water	7470A	654932

Analysis Batch: 655131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total Recoverable	Water	6010D	654928
240-223401-2	DUP-01	Total Recoverable	Water	6010D	654928
240-223401-3	MW-16-02	Total Recoverable	Water	6010D	654928

Metals (Continued)

Analysis Batch: 655131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-4	MW-16-03	Total Recoverable	Water	6010D	654928
240-223401-5	MW-17-17	Total Recoverable	Water	6010D	654928
240-223401-6	MW-17-16	Total Recoverable	Water	6010D	654928
240-223401-7	MW-17-06	Total Recoverable	Water	6010D	654928
240-223401-8	MW-17-07	Total Recoverable	Water	6010D	654928
MB 240-654928/1-A	Method Blank	Total Recoverable	Water	6010D	654928
LCS 240-654928/2-A	Lab Control Sample	Total Recoverable	Water	6010D	654928
240-223401-1 MS	MW-16-01	Total Recoverable	Water	6010D	654928
240-223401-1 MSD	MW-16-01	Total Recoverable	Water	6010D	654928

Analysis Batch: 655180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total Recoverable	Water	6020B	654928
240-223401-2	DUP-01	Total Recoverable	Water	6020B	654928
240-223401-3	MW-16-02	Total Recoverable	Water	6020B	654928
240-223401-4	MW-16-03	Total Recoverable	Water	6020B	654928
240-223401-5	MW-17-17	Total Recoverable	Water	6020B	654928
240-223401-6	MW-17-16	Total Recoverable	Water	6020B	654928
240-223401-7	MW-17-06	Total Recoverable	Water	6020B	654928
240-223401-8	MW-17-07	Total Recoverable	Water	6020B	654928
MB 240-654928/1-A	Method Blank	Total Recoverable	Water	6020B	654928
LCS 240-654928/3-A	Lab Control Sample	Total Recoverable	Water	6020B	654928
240-223401-1 MS	MW-16-01	Total Recoverable	Water	6020B	654928
240-223401-1 MSD	MW-16-01	Total Recoverable	Water	6020B	654928

General Chemistry

Analysis Batch: 654750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total/NA	Water	SM 2540C	
240-223401-2	DUP-01	Total/NA	Water	SM 2540C	
240-223401-3	MW-16-02	Total/NA	Water	SM 2540C	
240-223401-4	MW-16-03	Total/NA	Water	SM 2540C	
240-223401-5	MW-17-17	Total/NA	Water	SM 2540C	
240-223401-6	MW-17-16	Total/NA	Water	SM 2540C	
240-223401-7	MW-17-06	Total/NA	Water	SM 2540C	
240-223401-8	MW-17-07	Total/NA	Water	SM 2540C	
MB 240-654750/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-654750/2	Lab Control Sample	Total/NA	Water	SM 2540C	
240-223401-5 DU	MW-17-17	Total/NA	Water	SM 2540C	

Analysis Batch: 655322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total/NA	Water	9056A	
240-223401-1	MW-16-01	Total/NA	Water	9056A	
240-223401-2	DUP-01	Total/NA	Water	9056A	
240-223401-2	DUP-01	Total/NA	Water	9056A	
240-223401-3	MW-16-02	Total/NA	Water	9056A	
240-223401-3	MW-16-02	Total/NA	Water	9056A	
240-223401-4	MW-16-03	Total/NA	Water	9056A	
MB 240-655322/3	Method Blank	Total/NA	Water	9056A	

General Chemistry (Continued)

Analysis Batch: 655322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-655322/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 655874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-5	MW-17-17	Total/NA	Water	9056A	
240-223401-6	MW-17-16	Total/NA	Water	9056A	
240-223401-6	MW-17-16	Total/NA	Water	9056A	
240-223401-7	MW-17-06	Total/NA	Water	9056A	
240-223401-8	MW-17-07	Total/NA	Water	9056A	
240-223401-8	MW-17-07	Total/NA	Water	9056A	
MB 240-655874/3	Method Blank	Total/NA	Water	9056A	
LCS 240-655874/4	Lab Control Sample	Total/NA	Water	9056A	

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-16-01
Lab Sample ID: 240-223401-1

Date Collected: 04/28/25 09:40
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 15:48
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 14:28
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:06
Total/NA	Analysis	9056A		1	655322	JMR	EET CLE	05/09/25 17:38
Total/NA	Analysis	9056A		5	655322	JMR	EET CLE	05/09/25 17:59
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Client Sample ID: DUP-01
Lab Sample ID: 240-223401-2

Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 16:19
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 14:40
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:11
Total/NA	Analysis	9056A		1	655322	JMR	EET CLE	05/09/25 18:21
Total/NA	Analysis	9056A		5	655322	JMR	EET CLE	05/09/25 18:42
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Client Sample ID: MW-16-02
Lab Sample ID: 240-223401-3

Date Collected: 04/28/25 11:22
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 16:23
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 14:43
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:12
Total/NA	Analysis	9056A		1	655322	JMR	EET CLE	05/09/25 19:46
Total/NA	Analysis	9056A		5	655322	JMR	EET CLE	05/09/25 20:07
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Client Sample ID: MW-16-03
Lab Sample ID: 240-223401-4

Date Collected: 04/28/25 11:57
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 16:28
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 14:45
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:14
Total/NA	Analysis	9056A		1	655322	JMR	EET CLE	05/09/25 20:28
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Client Sample ID: MW-17-17
Lab Sample ID: 240-223401-5

Date Collected: 04/28/25 12:44
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 16:32
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 14:53
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:16
Total/NA	Analysis	9056A		1	655874	JMR	EET CLE	05/13/25 19:31
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Client Sample ID: MW-17-16
Lab Sample ID: 240-223401-6

Date Collected: 04/28/25 13:49
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 16:37
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 14:55
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:17
Total/NA	Analysis	9056A		1	655874	JMR	EET CLE	05/13/25 19:51
Total/NA	Analysis	9056A		5	655874	JMR	EET CLE	05/13/25 20:00
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Client Sample ID: MW-17-06
Lab Sample ID: 240-223401-7

Date Collected: 04/28/25 15:09
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 16:42

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-17-06
Lab Sample ID: 240-223401-7

Date Collected: 04/28/25 15:09
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 14:58
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:23
Total/NA	Analysis	9056A		5	655874	JMR	EET CLE	05/13/25 20:10
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Client Sample ID: MW-17-07
Lab Sample ID: 240-223401-8

Date Collected: 04/28/25 14:32
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6010D		1	655131	AJC	EET CLE	05/07/25 16:47
Total Recoverable	Prep	3005A			654928	MN7X	EET CLE	05/06/25 14:00
Total Recoverable	Analysis	6020B		1	655180	S4FJ	EET CLE	05/07/25 15:00
Total/NA	Prep	7470A			654932	MN7X	EET CLE	05/06/25 14:00
Total/NA	Analysis	7470A		1	655118	TQ6W	EET CLE	05/07/25 11:24
Total/NA	Analysis	9056A		5	655874	JMR	EET CLE	05/13/25 20:29
Total/NA	Analysis	9056A		50	655874	JMR	EET CLE	05/13/25 20:39
Total/NA	Analysis	SM 2540C		1	654750	TAV2	EET CLE	05/05/25 10:42

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Job ID: 240-223401-1
Project/Site: CCR DTE RRPP BAP

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

MICHIGAN 190

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Client Information	Sampler: Elliot Wielgolaski	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131800-45241.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: vbuening@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

240-223401 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	9315_Ra226 - Radium-226	9320_Ra228, Ra226Ra228_GFPC	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate										Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	N	N											
MW-16-01	4/28/25	0940	G	Water	N	N	X	X	X	X	X										5	Metals list:
Dup-01		~~0940~~	G	Water	N	N	X	X	X	X	X											Sb, As, Ba, B, Ca, Cd
MW-16-02		1122	G	Water	N	N	X	X	X	X	X											Cr, Co, Pb, Li, Hg, Mo,
MW-16-03		1157	G	Water	N	N	X	X	X	X	X											Se, Tl
MW-17-17		1244	G	Water	N	N	X	X	X	X	X											
MW-17-16		1349	G	Water	N	N	X	X	X	X	X	X										
MW-17-06		1509	G	Water	N	N	X	X	X	X	X											
~~[illegible]~~				Water																		
MW-17-07	4/28/25	1432	G	Water	N	N	X	X	X	X	X										5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
E Wielgolaski	4/28/25 1650	TRC	TRC Storage		
	4-30-25 1032	TRC		4-30-25 1032	
	4-30-25 1230		Martin	5/1/25 0800	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Address: 180 S Van Buren Ave
Barberton OH, 44203

MICHIGAN
190

Chain of Custody Record

716016

eurofins | Environment Testing America

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

TAL-8210

Client Contact	Project Manager: Vince Buening	Site Contact:	Date:	COC No:
Company Name: TRC	Tel/Email: VBuening@TRCcompanies.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1540 Eisenhower Place	Analysis Turnaround Time			Sampler:
City/State/Zip: Ann Arbor/MI/48108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below ____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CCR DTE River Rouge Power Plant	☐ 1 week			
Site: RRPP	☐ 2 days			Job / SDG No.:
PO# 229346	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Iron (6010B)	Cu, Ni, Ag, V, Zn (6020)	Sample Specific Notes:
MW-16-01	4-28-25	0940	G	GW	1	N	N	X	X	
Dup-01		—			1			X	X	
MW-16-02		1122			1			X	X	
MW-16-03		1157			1			X	X	
MW-17-17		1244			1			X	X	
MW-17-16		1349			1			X	X	
MW-17-06		1509			1			X	X	
MW-17-07		1432			1	N	N	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:____ Corr'd:____ Therm ID No.:____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-28-25 1650	TRC Storage	TRC	4-28-25
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-30-25/1032		ENTA	4-30-25 1035
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
	ENTA	4-30-25 1200			

5/14/2025

Eurofins – Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client TRC Site Name

Cooler Received on 5/11/25 Opened on 5/11/25

Cooler unpacked by: KMartin

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location Walk-in cooler

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	(Yes) No NA	
3 Shippers packing slip attached to the cooler(s)?	Yes (No)	
4 Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12 Are these work share samples and all listed on the COC?	Yes (No)	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA	pH Strip Lot# HC457151
14 Were VOAs on the COC?	Yes (No)	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No (NA)	
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes (No)	
17 Was a LL Hg or Me Hg trip blank present?	Yes (No)	

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container

Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory

Time preserved Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen

Login # : ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 Multiple Coolers

5/1/2025

Login Container Summary Report

240-223401

5/14/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-223401-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-223401-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-223401-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-A-2	Plastic 60 mL - unpreserved				
DUP-01	240-223401-B-2	Plastic 500ml - unpreserved				
DUP-01	240-223401-C-2	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401-B-3	Plastic 500ml - unpreserved				
MW-16-02	240-223401-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-223401-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-A-4	Plastic 60 mL - unpreserved				
MW-16-03	240-223401-B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-223401-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-A-5	Plastic 60 mL - unpreserved				
MW-17-17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-17	240-223401-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401-B-6	Plastic 500ml - unpreserved				
MW-17-16	240-223401-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-16	240-223401-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-A-7	Plastic 60 mL - unpreserved				
MW-17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17-06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-06	240-223401-D-7	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-E-7	Plastic 1 liter - Nitric Acid	<2			

5/14/2025

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17-07	240-223401-B-8	Plastic 500ml - unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401-E-8	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

MICHIGAN 190

eurofins | Environment Testing

Client Information	Sampler: Elliot Wielgopolski	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131800-45241.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: vbuening@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

240-223401 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	9315_Ra226 - Radium-226	9320_Ra228, Ra226Ra228_GFPC	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate									Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	D	N	N										
MW-16-01	4/28/25	0940	G	Water	2	2	X	X	X	X	X									5	Metals list:
Dup-01		~~0940~~	G	Water	2	2	X	X	X	X	X										Sb, As, Ba, B, Ca, Cd
MW-16-02		1122	G	Water	2	2	X	X	X	X	X										Cr, Co, Pb, Li, Hg, Mo,
MW-16-03		1157	G	Water	2	2	X	X	X	X	X										Se, Tl
MW-17-17		1244	G	Water	2	2	X	X	X	X	X										
MW-17-16		1349	G	Water	2	2	X	X	X	X	X	X									
MW-17-06		1509	G	Water	2	2	X	X	X	X	X										
~~MW-16-04~~				Water																	
MW-17-07	4/28/25	1432	G	Water	N	N	X	X	X	X	X									5	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
E Wielgopolski	4/28/25 1650	TRC	TRC Storage		
	4-30-25 1032	TRC		4-30-25 1032	
	4-30-25 1220		J Martin	5/1/25 0800	EUR

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Address: 180 S Van Buren Ave
Barberton OH, 44203

MICHIGAN
190

Chain of Custody Record

716016

eurofins | Environment Testing America

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

TAL-8210

Client Contact	Project Manager: Vince Buening	Site Contact:	Date:	COC No:
Company Name: TRC	Tel/Email: VBuening@TRCcompanies.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1540 Eisenhower Place	Analysis Turnaround Time			Sampler:
City/State/Zip: Ann Arbor/MI/48108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CCR DTE River Rouge Power Plant	☐ 1 week			
Site: RRPP	☐ 2 days			Job / SDG No.:
P O # 229346	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Iron (6010B)	Cu, Ni, Ag, V, Zn (6020)	Sample Specific Notes:
MW-16-01	4-28-25	0940	G	GW	1	N	N	X	X	
Dup-01		—			1			X	X	
MW-16-02		1122			1			X	X	
MW-16-03		1157			1			X	X	
MW-17-17		1244			1			X	X	
MW-17-16		1349			1			X	X	
MW-17-06		1509			1			X	X	
MW-17-07		1432			1			X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-28-25 1650	TRC Storage	TRC	4-28-25
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-30-25/1032		EMT	4-30-25 1057
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
	EMT	4-30-25 1200	Martin	EUR	5/1/25 800

Eurofins – Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client TRC Site Name
Cooler Received on 5/11/25 Opened on 5/11/25
Cooler unpacked by: KMartin
FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location Walk-in cooler
Eurofins Cooler # EC Foam Box Client Cooler Box Other
Packing material used: Bubble Wrap Foam Plastic Bag None Other
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form
IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2 Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers packing slip attached to the cooler(s)?	Yes	(No)
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC457151
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No (NA)
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present?	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KMartin
Labels Verified by: JMOROSKO

19 SAMPLE CONDITION
Sample(s) were received after the recommended holding time had expired
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) were further preserved in the laboratory
Time preserved Preservative(s) added/Lot number(s).

VOA Sample Preservation - Date/Time VOAs Frozen

1 2 3 4 5 6 7 8 9 10 11 12 13

Login # ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 Multiple Coolers

5/1/2025

Login Container Summary Report

240-223401

5/14/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-223401-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-223401-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-223401-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-A-2	Plastic 60 mL - unpreserved				
DUP-01	240-223401-B-2	Plastic 500ml - unpreserved				
DUP-01	240-223401-C-2	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401-B-3	Plastic 500ml - unpreserved				
MW-16-02	240-223401-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-223401-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-A-4	Plastic 60 mL - unpreserved				
MW-16-03	240-223401-B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-223401-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-A-5	Plastic 60 mL - unpreserved				
MW-17-17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-17	240-223401-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401-B-6	Plastic 500ml - unpreserved				
MW-17-16	240-223401-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-16	240-223401-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-A-7	Plastic 60 mL - unpreserved				
MW-17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17-06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-06	240-223401 D-7	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17-07	240-223401-B-8	Plastic 500ml - unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401-E-8	Plastic 1 liter - Nitric Acid	<2			

Address: 180 S Van Buren Ave
Barberton OH, 44203

MICHIGAN
190

Chain of Custody Record

716016

eurofins | Environment Testing America

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

TAL-8210

Client Contact	Project Manager: Vince Buening	Site Contact:	Date:	COC No:
Company Name: TRC	Tel/Email: VBuening@TRCcompanies.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1540 Eisenhower Place	Analysis Turnaround Time			Sampler:
City/State/Zip: Ann Arbor/MI/48108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below ____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CCR DTE River Rouge Power Plant	☐ 1 week			
Site: RRPP	☐ 2 days			Job / SDG No.:
PO# 229346	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Iron (6010B)	Cu, Ni, As, V, Zn (6020)	Sample Specific Notes:
MW-16-01	4-28-25	0940	G	GW	1	N	N	X	X	
DUP-01		—			1			X	X	
MW-16-02		1122			1			X	X	
MW-16-03		1157			1			X	X	
MW-17-17		1244			1			X	X	
MW-17-16		1349			1			X	X	
MW-17-06		1509			1			X	X	
MW-17-07		1432			1			X	X	

240-223401 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:____ Corr'd:____ Therm ID No.:____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-28-25 1650	TRC Storage	TRC	4-28-25
	TRC	4-30-25/1032		ENTA	4-30-25 1037
	ENTA	4-30-25 1200	Martin	EUR	5/1/25 800

Eurofins – Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client TRC Site Name

Cooler Received on 5/11/25 Opened on 5/11/25

Cooler unpacked by KMartin

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location Walk in Cooler

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	(No)
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC457151
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No (NA)
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present?	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KMartin
Labels Verified by: JMOROSKO

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved Preservative(s) added/Lot number(s)

VOA Sample Preservation Date/Time VOAs Frozen

Login # ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 Multiple Coolers

5/1/2025

Login Container Summary Report

240-223401

5/14/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401-A 1	Plastic 60 mL unpreserved				
MW-16-01	240-223401 B 1	Plastic 500ml - unpreserved				
MW 16-01	240-223401-C-1	Plastic 500ml with Nitric Acid	<2			
MW 16-01	240-223401 D-1	Plastic 1 liter Nitric Acid	<2			
MW 16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401 A 2	Plastic 60 mL - unpreserved				
DUP-01	240-223401 B 2	Plastic 500ml unpreserved				
DUP-01	240-223401 C-2	Plastic 500ml with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401 B 3	Plastic 500ml unpreserved				
MW-16 02	240-223401-C-3	Plastic 500ml with Nitric Acid	<2			
MW 16-02	240-223401 D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401 E-3	Plastic 1 liter Nitric Acid	<2			
MW-16-03	240-223401 A-4	Plastic 60 mL - unpreserved				
MW 16 03	240-223401 B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml with Nitric Acid	<2			
MW-16-03	240-223401 D-4	Plastic 1 liter Nitric Acid	<2			
MW 16-03	240-223401 E-4	Plastic 1 liter Nitric Acid	<2			
MW 17 17	240 223401-A-5	Plastic 60 mL - unpreserved				
MW 17 17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW 17-17	240-223401 D-5	Plastic 1 liter - Nitric Acid	<2			
MW 17 17	240-223401 E-5	Plastic 1 liter Nitric Acid	<2			
MW-17 16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401 B-6	Plastic 500ml - unpreserved				
MW-17-16	240 223401 C-6	Plastic 500ml - with Nitric Acid	<2			
MW 17 16	240-223401 D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW 17 06	240-223401 A 7	Plastic 60 mL - unpreserved				
MW 17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17 06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW 17-06	240-223401 D-7	Plastic 1 liter Nitric Acid	<2			
MW-17 06	240-223401 E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW 17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17 07	240 223401-B-8	Plastic 500ml unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401 D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401 E-8	Plastic 1 liter - Nitric Acid	<2			

5/14/2025

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

MICHIGAN 190

eurofins | Environment Testing

Client Information	Sampler: Elliot Wielgolaski	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131800-45241.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: vbuening@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

240-223401 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	9315_Ra226 - Radium-226	9320_Ra228, Ra226Ra228_GFPC	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate										Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	D	N	N											
MW-16-01	4/28/25	0940	G	Water	N	N	X	X	X	X	X										5	Metals list:
Dup-01		~~0940~~	G	Water	N	N	X	X	X	X	X											Sb, As, Ba, B, Ca, Cd
MW-16-02		1122	G	Water	N	N	X	X	X	X	X											Cr, Co, Pb, Li, Hg, Mo,
MW-16-03		1157	G	Water	N	N	X	X	X	X	X											Se, Tl
MW-17-17		1244	G	Water	N	N	X	X	X	X	X											
MW-17-16		1349	G	Water	N	N	X	X	X	X	X	X										
MW-17-06	↓	1509	G	Water	N	N	X	X	X	X	X										↓	
~~[illegible]~~				Water																		
MW-17-07	4/28/25	1432	G	Water	N	N	X	X	X	X	X										5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
E Wielgolaski	4/28/25 1650	TRC	TRC Storage		
	4-30-25 1032	TRC		4-30-25 1032	
	4-30-25 1220		Martin	5/1/25 0800	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client TRC Site Name _____ Cooler unpacked by: KMartin

Cooler Received on 5/11/25 Opened on 5/11/25

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location walk-in cooler

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp _____ °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No
	-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No
	-Were tamper/custody seals intact and uncompromised?	Yes No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes No
4	Did custody papers accompany the sample(s)?	Yes No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No
7	Did all bottles arrive in good condition (Unbroken)?	Yes No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	Yes No
11	Sufficient quantity received to perform indicated analyses?	Yes No
12	Are these work share samples and all listed on the COC?	Yes No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC457151
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KMartin
Labels Verified by: JMOROSKO

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # · ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	22	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	27	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 Multiple Coolers

5/1/2025

Login Container Summary Report

240-223401

5/14/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401 A 1	Plastic 60 mL - unpreserved				
MW-16-01	240-223401-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-223401-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-223401-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-A-2	Plastic 60 mL - unpreserved				
DUP-01	240-223401-B-2	Plastic 500ml - unpreserved				
DUP-01	240-223401-C-2	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401 B-3	Plastic 500ml - unpreserved				
MW-16-02	240-223401-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-223401-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-A-4	Plastic 60 mL - unpreserved				
MW-16-03	240-223401-B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-223401-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-A-5	Plastic 60 mL - unpreserved				
MW-17-17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-17	240-223401-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401-B-6	Plastic 500ml - unpreserved				
MW-17-16	240-223401-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-16	240-223401-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-A-7	Plastic 60 mL - unpreserved				
MW-17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17-06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-06	240-223401 D-7	Plastic 1 liter Nitric Acid	<2			
MW-17-06	240-223401-E-7	Plastic 1 liter - Nitric Acid	<2			

5/14/2025

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17-07	240-223401-B-8	Plastic 500ml - unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401-E-8	Plastic 1 liter - Nitric Acid	<2			

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 6/4/2025 1:28:26 PM

JOB DESCRIPTION

CCR DTE RRPP BAP

JOB NUMBER

240-223401-3

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by
Kris Brooks, Project Manager II
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-223401-3 Eurofins Cleveland

Job Narrative
240-223401-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/1/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.2°C, 2.3°C, 2.6°C and 2.7°C.

Gas Flow Proportional Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-223401-1	MW-16-01	Water	04/28/25 09:40	05/01/25 08:00
240-223401-2	DUP-01	Water	04/28/25 00:00	05/01/25 08:00
240-223401-3	MW-16-02	Water	04/28/25 11:22	05/01/25 08:00
240-223401-4	MW-16-03	Water	04/28/25 11:57	05/01/25 08:00
240-223401-5	MW-17-17	Water	04/28/25 12:44	05/01/25 08:00
240-223401-6	MW-17-16	Water	04/28/25 13:49	05/01/25 08:00
240-223401-7	MW-17-06	Water	04/28/25 15:09	05/01/25 08:00
240-223401-8	MW-17-07	Water	04/28/25 14:32	05/01/25 08:00

Detection Summary

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-16-01 **Lab Sample ID: 240-223401-1**

No Detections.

Client Sample ID: DUP-01 **Lab Sample ID: 240-223401-2**

No Detections.

Client Sample ID: MW-16-02 **Lab Sample ID: 240-223401-3**

No Detections.

Client Sample ID: MW-16-03 **Lab Sample ID: 240-223401-4**

No Detections.

Client Sample ID: MW-17-17 **Lab Sample ID: 240-223401-5**

No Detections.

Client Sample ID: MW-17-16 **Lab Sample ID: 240-223401-6**

No Detections.

Client Sample ID: MW-17-06 **Lab Sample ID: 240-223401-7**

No Detections.

Client Sample ID: MW-17-07 **Lab Sample ID: 240-223401-8**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-3

Client Sample ID: MW-16-01
Date Collected: 04/28/25 09:40
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-1
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.196	U	0.239	0.240	1.00	0.394	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.673	U	0.453	0.457	1.00	0.683	pCi/L	05/06/25 08:02	06/03/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*
Y Carrier	*77.8*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.868**		0.512	0.516	5.00	0.683	pCi/L		06/04/25 12:19	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-3

Client Sample ID: DUP-01

Date Collected: 04/28/25 00:00
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.190	U	0.197	0.198	1.00	0.310	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00983	U	0.326	0.326	1.00	0.608	pCi/L	05/06/25 08:02	06/03/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*
Y Carrier	*79.3*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.200	U	0.381	0.381	5.00	0.608	pCi/L		06/04/25 12:19	1

Client Sample ID: MW-16-02
Date Collected: 04/28/25 11:22
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-3
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.427		0.245	0.248	1.00	0.304	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.853		0.445	0.452	1.00	0.632	pCi/L	05/06/25 08:02	06/03/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*
Y Carrier	*80.7*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.28		0.508	0.516	5.00	0.632	pCi/L		06/04/25 12:19	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-3

Client Sample ID: MW-16-03
Date Collected: 04/28/25 11:57
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-4
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.420		0.219	0.222	1.00	0.252	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.492	U	0.338	0.341	1.00	0.504	pCi/L	05/06/25 08:02	06/03/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.912		0.403	0.407	5.00	0.504	pCi/L		06/04/25 12:19	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-3

Client Sample ID: MW-17-17
Date Collected: 04/28/25 12:44
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-5
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.465		0.302	0.305	1.00	0.396	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.196	U	0.488	0.489	1.00	0.864	pCi/L	05/06/25 08:02	06/03/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*
Y Carrier	*71.8*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.661	U	0.574	0.576	5.00	0.864	pCi/L		06/04/25 12:19	1

Client Sample ID: MW-17-16
Date Collected: 04/28/25 13:49
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-6
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.388	U	0.301	0.303	1.00	0.451	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.147	U	0.362	0.362	1.00	0.635	pCi/L	05/06/25 08:02	06/03/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*
Y Carrier	*78.5*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.536	U	0.471	0.472	5.00	0.635	pCi/L		06/04/25 12:19	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-3

Client Sample ID: MW-17-06
Date Collected: 04/28/25 15:09
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-7
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.06		0.340	0.353	1.00	0.305	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.46		0.519	0.536	1.00	0.645	pCi/L	05/06/25 08:02	06/03/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*
Y Carrier	*75.9*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.52		0.620	0.642	5.00	0.645	pCi/L		06/04/25 12:19	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP BAP

Job ID: 240-223401-3

Client Sample ID: MW-17-07
Date Collected: 04/28/25 14:32
Date Received: 05/01/25 08:00

Lab Sample ID: 240-223401-8
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.289	U	0.230	0.232	1.00	0.340	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.391	U	0.303	0.305	1.00	0.464	pCi/L	05/06/25 08:02	06/03/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*
Y Carrier	*80.0*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.681**		0.380	0.383	5.00	0.464	pCi/L		06/04/25 12:19	1

Tracer/Carrier Summary

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
		Ba						
Lab Sample ID	Client Sample ID	(30-110)						
240-223401-1	MW-16-01	79.6						
240-223401-2	DUP-01	83.6						
240-223401-3	MW-16-02	83.3						
240-223401-4	MW-16-03	95.3						
240-223401-5	MW-17-17	82.1						
240-223401-6	MW-17-16	84.8						
240-223401-7	MW-17-06	82.6						
240-223401-8	MW-17-07	99.0						
LCS 160-716183/2-A	Lab Control Sample	92.0						
MB 160-716183/1-A	Method Blank	86.6						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
		Ba	Y					
Lab Sample ID	Client Sample ID	(30-110)	(30-110)					
240-223401-1	MW-16-01	79.6	77.8					
240-223401-2	DUP-01	83.6	79.3					
240-223401-3	MW-16-02	83.3	80.7					
240-223401-4	MW-16-03	95.3	81.1					
240-223401-5	MW-17-17	82.1	71.8					
240-223401-6	MW-17-16	84.8	78.5					
240-223401-7	MW-17-06	82.6	75.9					
240-223401-8	MW-17-07	99.0	80.0					
LCS 160-716185/2-A	Lab Control Sample	92.0	77.0					
MB 160-716185/1-A	Method Blank	86.6	78.9					

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-716183/1-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716183

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2029	U	0.194	0.195	1.00	0.296	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Lab Sample ID: LCS 160-716183/2-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716183

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.885		1.20	1.00	0.389	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.0*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-716185/1-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716185

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1763	U	0.360	0.360	1.00	0.624	pCi/L	05/06/25 08:02	06/03/25 11:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:50*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:50*	*1*

Lab Sample ID: LCS 160-716185/2-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716185

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.38	11.10		1.46	1.00	0.564	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.0*		*30 - 110*
Y Carrier	*77.0*		*30 - 110*

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Rad

Prep Batch: 716183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total/NA	Water	PrecSep-21	
240-223401-2	DUP-01	Total/NA	Water	PrecSep-21	
240-223401-3	MW-16-02	Total/NA	Water	PrecSep-21	
240-223401-4	MW-16-03	Total/NA	Water	PrecSep-21	
240-223401-5	MW-17-17	Total/NA	Water	PrecSep-21	
240-223401-6	MW-17-16	Total/NA	Water	PrecSep-21	
240-223401-7	MW-17-06	Total/NA	Water	PrecSep-21	
240-223401-8	MW-17-07	Total/NA	Water	PrecSep-21	
MB 160-716183/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-716183/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 716185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223401-1	MW-16-01	Total/NA	Water	PrecSep_0	
240-223401-2	DUP-01	Total/NA	Water	PrecSep_0	
240-223401-3	MW-16-02	Total/NA	Water	PrecSep_0	
240-223401-4	MW-16-03	Total/NA	Water	PrecSep_0	
240-223401-5	MW-17-17	Total/NA	Water	PrecSep_0	
240-223401-6	MW-17-16	Total/NA	Water	PrecSep_0	
240-223401-7	MW-17-06	Total/NA	Water	PrecSep_0	
240-223401-8	MW-17-07	Total/NA	Water	PrecSep_0	
MB 160-716185/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-716185/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-16-01
Lab Sample ID: 240-223401-1
Date Collected: 04/28/25 09:40
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: DUP-01
Lab Sample ID: 240-223401-2
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-16-02
Lab Sample ID: 240-223401-3
Date Collected: 04/28/25 11:22
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-16-03
Lab Sample ID: 240-223401-4
Date Collected: 04/28/25 11:57
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Client Sample ID: MW-17-17
Lab Sample ID: 240-223401-5
Date Collected: 04/28/25 12:44
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-17-16
Lab Sample ID: 240-223401-6
Date Collected: 04/28/25 13:49
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:52
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-17-06
Lab Sample ID: 240-223401-7
Date Collected: 04/28/25 15:09
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:52
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-17-07
Lab Sample ID: 240-223401-8
Date Collected: 04/28/25 14:32
Matrix: Water
Date Received: 05/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720473	SWS	EET SL	06/03/25 20:06
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:52
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Job ID: 240-223401-3
Project/Site: CCR DTE RRPP BAP

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

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

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

MICHIGAN 190

eurofins | Environment Testing

Client Information	Sampler: Elliot Wielgolaski	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131800-45241.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: vbuening@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

240-223401 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	9315_Ra226 - Radium-226	9320_Ra228, Ra226Ra228_GFPC	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate										Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	D	N	N											
MW-16-01	4/28/25	0940	G	Water	N	N	X	X	X	X	X										5	Metals list:
Dup-01		~~0940~~	G	Water	N	N	X	X	X	X	X											Sb, As, Ba, B, Ca, Cd
MW-16-02		1122	G	Water	N	N	X	X	X	X	X											Cr, Co, Pb, Li, Hg, Mo,
MW-16-03		1157	G	Water	N	N	X	X	X	X	X											Se, Tl
MW-17-17		1244	G	Water	N	N	X	X	X	X	X											
MW-17-16		1349	G	Water	N	N	X	X	X	X	X	X										
MW-17-06		1509	G	Water	N	N	X	X	X	X	X											
~~MW-16-04~~				Water																		
MW-17-07	4/28/25	1432	G	Water	N	N	X	X	X	X	X										5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
E Wielgolaski	4/28/25 1650	TRC	TRC Storage		
[illegible]	4-30-25 1032	TRC	[illegible]	4-30-25 1032	[illegible]
[illegible]	4-30-25 1230	[illegible]	C Martin	5/1/25 0800	[illegible]

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Address: 180 S Van Buren Ave
Barberton OH, 44203

MICHIGAN 190

Chain of Custody Record

716016

eurofins | Environment Testing America

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

TAL-8210

Client Contact	Project Manager: Vince Buening	Site Contact:	Date:	COC No:
Company Name: TRC	Tel/Email: VBuening@TRCcompanies.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1540 Eisenhower Place	Analysis Turnaround Time			Sampler:
City/State/Zip: Ann Arbor/MI/48108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CCR DTE River Rouge Power Plant	☐ 1 week			
Site: RRPP	☐ 2 days			Job / SDG No.:
PO# 229346	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Iron (6010B)	Cu, Ni, Ag, V, Zn (6020)	Sample Specific Notes:
MW-16-01	4-28-25	0940	G	GW	1	N	N	X	X	
Dup-01		—			1			X	X	
MW-16-02		1122			1			X	X	
MW-16-03		1157			1			X	X	
MW-17-17		1244			1			X	X	
MW-17-16		1349			1			X	X	
MW-17-06		1509			1			X	X	
MW-17-07		1432			1	N	N	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-28-25 1650	TRC Storage	TRC	4-28-25
	TRC	4-30-25/1032		EMTA	4-30-25 1035
	EMTA	4-30-25 1200	Received in Laboratory by:	Company:	Date/Time:

Eurofins – Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client TRC Site Name

Cooler Received on 5/11/25 Opened on 5/11/25

Cooler unpacked by: KMartin

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location Walk-in cooler

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers packing slip attached to the cooler(s)?	Yes	(No)
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC457151
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present?	Yes	(No)

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container

Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory

Time preserved Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen

Login # : ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
				☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 Multiple Coolers

5/1/2025

Login Container Summary Report

240-223401

6/4/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-223401-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-223401-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-223401-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-A-2	Plastic 60 mL - unpreserved				
DUP-01	240-223401-B-2	Plastic 500ml - unpreserved				
DUP-01	240-223401-C-2	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401-B-3	Plastic 500ml - unpreserved				
MW-16-02	240-223401-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-223401-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-A-4	Plastic 60 mL - unpreserved				
MW-16-03	240-223401-B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-223401-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-A-5	Plastic 60 mL - unpreserved				
MW-17-17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-17	240-223401-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401-B-6	Plastic 500ml - unpreserved				
MW-17-16	240-223401-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-16	240-223401-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-A-7	Plastic 60 mL - unpreserved				
MW-17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17-06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-06	240-223401-D-7	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17-07	240-223401-B-8	Plastic 500ml - unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401-E-8	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

MICHIGAN 190

eurofins | Environment Testing

Client Information	Sampler: Elliot Wielgopolski	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131800-45241.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: vbuening@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

240-223401 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	9315_Ra226 - Radium-226	9320_Ra228, Ra226Ra228_GFPC	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate									Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	D	N	N										
MW-16-01	4/28/25	0940	G	Water	N	N	X	X	X	X	X									5	Metals list:
Dup-01		~~0940~~	G	Water	N	N	X	X	X	X	X										Sb, As, Ba, B, Ca, Cd
MW-16-02		1122	G	Water	N	N	X	X	X	X	X										Cr, Co, Pb, Li, Hg, Mo,
MW-16-03		1157	G	Water	N	N	X	X	X	X	X										Se, Tl
MW-17-17		1244	G	Water	N	N	X	X	X	X	X										
MW-17-16		1349	G	Water	N	N	X	X	X	X	X	X									
MW-17-06		1509	G	Water	N	N	X	X	X	X	X										
~~MW-16-04~~				Water																	
MW-17-07	4/28/25	1432	G	Water	N	N	X	X	X	X	X									5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
E Wielgopolski	4/28/25 1650	TRC	TRC Storage		
	4-30-25 1032	TRC		4-30-25 1032	
	4-30-25 1220		J Martin	5/1/25 0800	EUR

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

6/4/2025

Address: 180 S Van Buren Ave
Barberton OH, 44203

MICHIGAN
190

Chain of Custody Record

716016

eurofins | Environment Testing America

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

TAL-8210

Client Contact	Project Manager: Vince Buening	Site Contact:	Date:	COC No:
Company Name: TRC	Tel/Email: VBuening@TRCcompanies.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1540 Eisenhower Place	Analysis Turnaround Time			Sampler:
City/State/Zip: Ann Arbor/MI/48108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CCR DTE River Rouge Power Plant	☐ 1 week			
Site: RRPP	☐ 2 days			Job / SDG No.:
PO# 229346	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Iron (6010B)	Cu, Ni, Ag, V, Zn (6020)	Sample Specific Notes:
MW-16-01	4-28-25	0940	G	GW	1	N	N	X	X	
Dup-01		—			1			X	X	
MW-16-02		1122			1			X	X	
MW-16-03		1157			1			X	X	
MW-17-17		1244			1			X	X	
MW-17-16		1349			1			X	X	
MW-17-06		1509			1			X	X	
MW-17-07		1432			1			X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-28-25 1650	TRC Storage	TRC	4-28-25
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-30-25/1032		EMT	4-30-25 1053
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
	EMT	4-30-25 1200	Martin	EUR	5/1/25 800

Eurofins – Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client TRC Site Name

Cooler unpacked by: KMartin

Cooler Received on 5/11/25 Opened on 5/11/25

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location Walk-in cooler

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6.	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC457151
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No (NA)
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes (No)
17	Was a LL Hg or Me Hg trip blank present?	Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KMartin
Labels Verified by: JMOROSKO

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved Preservative(s) added/Lot number(s).

VOA Sample Preservation - Date/Time VOAs Frozen

Login # ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
				☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 Multiple Coolers

5/1/2025

Login Container Summary Report

240-223401

6/4/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-223401-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-223401-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-223401-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-A-2	Plastic 60 mL - unpreserved				
DUP-01	240-223401-B-2	Plastic 500ml - unpreserved				
DUP-01	240-223401-C-2	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401-B-3	Plastic 500ml - unpreserved				
MW-16-02	240-223401-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-223401-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-A-4	Plastic 60 mL - unpreserved				
MW-16-03	240-223401-B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-223401-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-A-5	Plastic 60 mL - unpreserved				
MW-17-17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-17	240-223401-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401-B-6	Plastic 500ml - unpreserved				
MW-17-16	240-223401-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-16	240-223401-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-A-7	Plastic 60 mL - unpreserved				
MW-17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17-06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-06	240-223401 D-7	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17-07	240-223401-B-8	Plastic 500ml - unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401-E-8	Plastic 1 liter - Nitric Acid	<2			

Address: 180 S Van Buren Ave
Barberton OH, 44203

MICHIGAN
190

Chain of Custody Record

716016

eurofins | Environment Testing America

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

TAL-8210

Client Contact	Project Manager: Vince Buening	Site Contact:	Date:	COC No:
Company Name: TRC	Tel/Email: VBuening@TRCcompanies.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1540 Eisenhower Place	Analysis Turnaround Time			Sampler:
City/State/Zip: Ann Arbor/MI/48108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CCR DTE River Rouge Power Plant	☐ 1 week			
Site: RRPP	☐ 2 days			Job / SDG No.:
PO# 229346	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Iron (6010B)	Cu, Ni, As, V, Zn (6020)	Sample Specific Notes:
MW-16-01	4-28-25	0940	G	GW	1	N	N	X	X	
DUP-01		—			1			X	X	
MW-16-02		1122			1			X	X	
MW-16-03		1157			1			X	X	
MW-17-17		1244			1			X	X	
MW-17-16		1349			1			X	X	
MW-17-06		1509			1			X	X	
MW-17-07		1432			1			X	X	

240-223401 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-28-25 1650	TRC Storage	TRC	4-28-25
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-30-25/1032		EMA	4-30-25 1037
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
	EMA	4-30-25 1200	Martin	EUR	5/1/25 800

Eurofins – Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client TRC Site Name

Cooler Received on 5/11/25 Opened on 5/11/25

Cooler unpacked by KMartin

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location Walk in Cooler

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	(No)
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC457151
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No (NA)
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present?	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KMartin
Labels Verified by: JMOROSKO

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved Preservative(s) added/Lot number(s)

VOA Sample Preservation Date/Time VOAs Frozen

Login # ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

5/1/2025

Login Container Summary Report

240-223401

6/4/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401-A 1	Plastic 60 mL unpreserved				
MW-16-01	240-223401 B 1	Plastic 500ml - unpreserved				
MW 16-01	240-223401-C-1	Plastic 500ml with Nitric Acid	<2			
MW 16-01	240-223401 D-1	Plastic 1 liter Nitric Acid	<2			
MW 16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401 A 2	Plastic 60 mL - unpreserved				
DUP-01	240-223401 B 2	Plastic 500ml unpreserved				
DUP-01	240-223401 C-2	Plastic 500ml with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401 B 3	Plastic 500ml unpreserved				
MW-16 02	240-223401-C-3	Plastic 500ml with Nitric Acid	<2			
MW 16-02	240-223401 D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401 E-3	Plastic 1 liter Nitric Acid	<2			
MW-16-03	240-223401 A-4	Plastic 60 mL - unpreserved				
MW 16 03	240-223401 B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml with Nitric Acid	<2			
MW-16-03	240-223401 D-4	Plastic 1 liter Nitric Acid	<2			
MW 16-03	240-223401 E-4	Plastic 1 liter Nitric Acid	<2			
MW 17 17	240 223401-A-5	Plastic 60 mL - unpreserved				
MW 17 17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW 17-17	240-223401 D-5	Plastic 1 liter - Nitric Acid	<2			
MW 17 17	240-223401 E-5	Plastic 1 liter Nitric Acid	<2			
MW-17 16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401 B-6	Plastic 500ml - unpreserved				
MW-17-16	240 223401 C-6	Plastic 500ml - with Nitric Acid	<2			
MW 17 16	240-223401 D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW 17 06	240-223401 A 7	Plastic 60 mL - unpreserved				
MW 17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17 06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW 17-06	240-223401 D-7	Plastic 1 liter Nitric Acid	<2			
MW-17 06	240-223401 E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW 17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17 07	240 223401-B-8	Plastic 500ml unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401 D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401 E-8	Plastic 1 liter - Nitric Acid	<2			

6/4/2025

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

MICHIGAN 190

eurofins | Environment Testing

Client Information	Sampler: Elliot Wielgolaski	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131800-45241.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: vbuening@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

240-223401 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	9315_Ra226 - Radium-226	9320_Ra228, Ra226Ra228_GFPC	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate										Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	D	N	N											
MW-16-01	4/28/25	0940	G	Water	2	2	X	X	X	X	X										5	Metals list:
Dup-01		~~0940~~	G	Water	2	2	X	X	X	X	X											Sb, As, Ba, B, Ca, Cd
MW-16-02		1122	G	Water	2	2	X	X	X	X	X											Cr, Co, Pb, Li, Hg, Mo,
MW-16-03		1157	G	Water	2	2	X	X	X	X	X											Se, Tl
MW-17-17		1244	G	Water	2	2	X	X	X	X	X											
MW-17-16		1349	G	Water	2	2	X	X	X	X	X	X										
MW-17-06	↓	1509	G	Water	2	2	X	X	X	X	X										↓	
[redacted]				Water																		
MW-17-07	4/28/25	1432	G	Water	N	N	X	X	X	X	X										5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
E Wielgolaski	4/28/25 1650	TRC	TRC Storage		
[signature]	4-30-25 1032	TRC	[signature]	4-30-25 1032	FEDEX
[signature]	4-30-25 1220	FEDEX	[signature]	5/1/25 0800	EUR

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client TRC Site Name _____ Cooler unpacked by: KMartin

Cooler Received on 5/11/25 Opened on 5/11/25

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time 4/30/25 Storage Location walk-in cooler

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp _____ °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
	-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
	-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes	No
4	Did custody papers accompany the sample(s)?	Yes	No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7	Did all bottles arrive in good condition (Unbroken)?	Yes	No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10	Were correct bottle(s) used for the test(s) indicated?	Yes	No
11	Sufficient quantity received to perform indicated analyses?	Yes	No
12	Are these work share samples and all listed on the COC?	Yes	No
	If yes, Questions 13-17 have been checked at the originating laboratory		
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC457151
14	Were VOAs on the COC?	Yes	No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KMartin
Labels Verified by: JMOROSKO

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # · ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 13	1.8	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.1	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.9	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.2	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 Multiple Coolers

5/1/2025

Login Container Summary Report

240-223401

6/4/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-223401 A 1	Plastic 60 mL - unpreserved				
MW-16-01	240-223401-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-223401-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-223401-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-223401-E-1	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-A-2	Plastic 60 mL - unpreserved				
DUP-01	240-223401-B-2	Plastic 500ml - unpreserved				
DUP-01	240-223401-C-2	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-223401-D-2	Plastic 1 liter - Nitric Acid	<2			
DUP-01	240-223401-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-A-3	Plastic 60 mL - unpreserved				
MW-16-02	240-223401 B-3	Plastic 500ml - unpreserved				
MW-16-02	240-223401-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-223401-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240-223401-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-A-4	Plastic 60 mL - unpreserved				
MW-16-03	240-223401-B-4	Plastic 500ml - unpreserved				
MW-16-03	240-223401-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-223401-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-16-03	240-223401-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-A-5	Plastic 60 mL - unpreserved				
MW-17-17	240-223401-B-5	Plastic 500ml - unpreserved				
MW-17-17	240-223401-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-17	240-223401-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-223401-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-A-6	Plastic 60 mL - unpreserved				
MW-17-16	240-223401-B-6	Plastic 500ml - unpreserved				
MW-17-16	240-223401-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-16	240-223401-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-223401-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-223401-A-7	Plastic 60 mL - unpreserved				
MW-17-06	240-223401-B-7	Plastic 500ml - unpreserved				
MW-17-06	240-223401-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-06	240-223401 D-7	Plastic 1 liter Nitric Acid	<2			
MW-17-06	240-223401-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-07	240-223401-A-8	Plastic 60 mL - unpreserved				
MW-17-07	240-223401-B-8	Plastic 500ml - unpreserved				
MW-17-07	240-223401-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-223401-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-07	240-223401-E-8	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brooks, Kris M	Carrier Tracking No(s): N/A	COC No: 240-201852.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 240-223401-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/14/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: TRC CCR DTE River Rouge Power Plant	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-16-01 (240-223401-1)	4/28/25	09:40 Eastern	G	Water			X	X	X	2	
DUP-01 (240-223401-2)	4/28/25	Eastern	G	Water			X	X	X	2	
MW-16-02 (240-223401-3)	4/28/25	11:22 Eastern	G	Water			X	X	X	2	
MW-16-03 (240-223401-4)	4/28/25	11:57 Eastern	G	Water			X	X	X	2	
MW-17-17 (240-223401-5)	4/28/25	12:44 Eastern	G	Water			X	X	X	2	
MW-17-16 (240-223401-6)	4/28/25	13:49 Eastern	G	Water			X	X	X	2	
MW-17-06 (240-223401-7)	4/28/25	15:09 Eastern	G	Water			X	X	X	2	
MW-17-07 (240-223401-8)	4/28/25	14:32 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JAYDEN COLLINS	5-2-25	Eur	Sierra Worthington	MAY 05 2025 0810	EMSL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

6/4/2025

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 240-223401-3

Login Number: 223401
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 05/05/25 10:50 AM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 10/15/2025 9:47:48 PM

JOB DESCRIPTION

CCR DTE River Rouge Power Plant

JOB NUMBER

240-234871-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
10/15/2025 9:47:48 PM

Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-234871-1 Eurofins Cleveland

Job Narrative
240-234871-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/9/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.8°C, 1.0°C and 1.2°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
6020B	Metals (ICP/MS)	SW846	EET CLE
9056A	Anions, Ion Chromatography	SW846	EET CLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-234871-1	MW-16-01	Water	10/07/25 11:34	10/09/25 08:00	Michigan
240-234871-2	MW-16-02	Water	10/07/25 10:00	10/09/25 08:00	Michigan
240-234871-3	MW-16-03	Water	10/07/25 12:45	10/09/25 08:00	Michigan
240-234871-4	MW-17-16	Water	10/07/25 14:32	10/09/25 08:00	Michigan
240-234871-5	MW-17-17	Water	10/07/25 13:51	10/09/25 08:00	Michigan
240-234871-6	MW-17-06	Water	10/07/25 15:19	10/09/25 08:00	Michigan
240-234871-7	MW-17-07	Water	10/07/25 15:57	10/09/25 08:00	Michigan
240-234871-8	DUP-1	Water	10/07/25 00:00	10/09/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE River Rouge Power Plant

Job ID: 240-234871-1

Client Sample ID: MW-16-01 — Lab Sample ID: 240-234871-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1000		100		ug/L	1		6010D	Total Recoverable
Arsenic	13		5.0		ug/L	1		6020B	Total Recoverable
Molybdenum	11		5.0		ug/L	1		6020B	Total Recoverable
Lithium	41		8.0		ug/L	1		6020B	Total Recoverable
Calcium	58000		1000		ug/L	1		6020B	Total Recoverable
Barium	140		5.0		ug/L	1		6020B	Total Recoverable
Chloride	150		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.76		0.050		mg/L	1		9056A	Total/NA
Sulfate	420		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	900		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-02 — Lab Sample ID: 240-234871-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	790		100		ug/L	1		6010D	Total Recoverable
Lithium	41		8.0		ug/L	1		6020B	Total Recoverable
Calcium	190000		1000		ug/L	1		6020B	Total Recoverable
Barium	150		5.0		ug/L	1		6020B	Total Recoverable
Chloride	62		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.47		0.050		mg/L	1		9056A	Total/NA
Sulfate	480		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	1100		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-03 — Lab Sample ID: 240-234871-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	150		100		ug/L	1		6010D	Total Recoverable
Lithium	11		8.0		ug/L	1		6020B	Total Recoverable
Calcium	130000		1000		ug/L	1		6020B	Total Recoverable
Barium	62		5.0		ug/L	1		6020B	Total Recoverable
Chloride	180		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.30		0.050		mg/L	1		9056A	Total/NA
Sulfate	56		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	710		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-16 — Lab Sample ID: 240-234871-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	530		100		ug/L	1		6010D	Total Recoverable
Arsenic	110		5.0		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-17-16 (Continued)

Lab Sample ID: 240-234871-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lithium	59		8.0		ug/L	1		6020B	Total Recoverable
Calcium	140000		1000		ug/L	1		6020B	Total Recoverable
Barium	230		5.0		ug/L	1		6020B	Total Recoverable
Chloride	68		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.91		0.050		mg/L	1		9056A	Total/NA
Sulfate	270		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	730		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-17

Lab Sample ID: 240-234871-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	480		100		ug/L	1		6010D	Total Recoverable
Lithium	13		8.0		ug/L	1		6020B	Total Recoverable
Calcium	71000		1000		ug/L	1		6020B	Total Recoverable
Barium	53		5.0		ug/L	1		6020B	Total Recoverable
Chloride	44		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.67		0.050		mg/L	1		9056A	Total/NA
Sulfate	8.6		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	400		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-06

Lab Sample ID: 240-234871-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	440		100		ug/L	1		6010D	Total Recoverable
Arsenic	15		5.0		ug/L	1		6020B	Total Recoverable
Molybdenum	7.3		5.0		ug/L	1		6020B	Total Recoverable
Lithium	25		8.0		ug/L	1		6020B	Total Recoverable
Calcium	310000		1000		ug/L	1		6020B	Total Recoverable
Barium	150		5.0		ug/L	1		6020B	Total Recoverable
Chloride	810		5.0		mg/L	5		9056A	Total/NA
Fluoride	0.36		0.25		mg/L	5		9056A	Total/NA
Sulfate	450		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	2600		40		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-07

Lab Sample ID: 240-234871-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	590		100		ug/L	1		6010D	Total Recoverable
Arsenic	13		5.0		ug/L	1		6020B	Total Recoverable
Cobalt	6.6		1.0		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-17-07 (Continued)
Lab Sample ID: 240-234871-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Molybdenum	11		5.0		ug/L	1		6020B	Total Recoverable
Lithium	28		8.0		ug/L	1		6020B	Total Recoverable
Calcium	490000		1000		ug/L	1		6020B	Total Recoverable
Barium	37		5.0		ug/L	1		6020B	Total Recoverable
Chloride	1400		50		mg/L	50		9056A	Total/NA
Fluoride	0.46		0.25		mg/L	5		9056A	Total/NA
Sulfate	880		50		mg/L	50		9056A	Total/NA
Total Dissolved Solids	6500		50		mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-1
Lab Sample ID: 240-234871-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	140		100		ug/L	1		6010D	Total Recoverable
Lithium	12		8.0		ug/L	1		6020B	Total Recoverable
Calcium	130000		1000		ug/L	1		6020B	Total Recoverable
Barium	63		5.0		ug/L	1		6020B	Total Recoverable
Chloride	180		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.27		0.050		mg/L	1		9056A	Total/NA
Sulfate	56		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	710		10		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-16-01
Lab Sample ID: 240-234871-1
Date Collected: 10/07/25 11:34
Matrix: Water
Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1000		100		ug/L		10/10/25 14:00	10/14/25 17:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13		5.0		ug/L		10/10/25 14:00	10/13/25 22:11	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 22:11	1
Molybdenum	11		5.0		ug/L		10/10/25 14:00	10/13/25 22:11	1
Lithium	41		8.0		ug/L		10/10/25 14:00	10/13/25 22:11	1
Calcium	58000		1000		ug/L		10/10/25 14:00	10/13/25 22:11	1
Barium	140		5.0		ug/L		10/10/25 14:00	10/13/25 22:11	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	150		1.0		mg/L			10/10/25 16:01	1
Fluoride (SW846 9056A)	0.76		0.050		mg/L			10/10/25 16:01	1
Sulfate (SW846 9056A)	420		5.0		mg/L			10/10/25 16:10	5
Total Dissolved Solids (SM 2540C)	900		10		mg/L			10/10/25 11:55	1

Client Sample ID: MW-16-02 **Lab Sample ID: 240-234871-2**
Date Collected: 10/07/25 10:00 **Matrix: Water**
Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**790**		100		ug/L		10/10/25 14:00	10/14/25 17:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:13	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 22:13	1
Molybdenum	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:13	1
Lithium	**41**		8.0		ug/L		10/10/25 14:00	10/13/25 22:13	1
Calcium	**190000**		1000		ug/L		10/10/25 14:00	10/13/25 22:13	1
Barium	**150**		5.0		ug/L		10/10/25 14:00	10/13/25 22:13	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**62**		1.0		mg/L			10/10/25 16:20	1
Fluoride (SW846 9056A)	**0.47**		0.050		mg/L			10/10/25 16:20	1
Sulfate (SW846 9056A)	**480**		5.0		mg/L			10/10/25 16:29	5
Total Dissolved Solids (SM 2540C)	**1100**		20		mg/L			10/10/25 11:55	1

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-16-03
Lab Sample ID: 240-234871-3
Date Collected: 10/07/25 12:45
Matrix: Water
Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**150**		100		ug/L		10/10/25 14:00	10/14/25 17:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:16	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 22:16	1
Molybdenum	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:16	1
Lithium	**11**		8.0		ug/L		10/10/25 14:00	10/13/25 22:16	1
Calcium	**130000**		1000		ug/L		10/10/25 14:00	10/13/25 22:16	1
Barium	**62**		5.0		ug/L		10/10/25 14:00	10/13/25 22:16	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**180**		1.0		mg/L			10/10/25 16:38	1
Fluoride (SW846 9056A)	**0.30**		0.050		mg/L			10/10/25 16:38	1
Sulfate (SW846 9056A)	**56**		1.0		mg/L			10/10/25 16:38	1
Total Dissolved Solids (SM 2540C)	**710**		10		mg/L			10/10/25 11:55	1

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-17-16
Lab Sample ID: 240-234871-4
Date Collected: 10/07/25 14:32
Matrix: Water
Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**530**		100		ug/L		10/10/25 14:00	10/14/25 17:35	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**110**		5.0		ug/L		10/10/25 14:00	10/13/25 22:19	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 22:19	1
Molybdenum	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:19	1
Lithium	**59**		8.0		ug/L		10/10/25 14:00	10/13/25 22:19	1
Calcium	**140000**		1000		ug/L		10/10/25 14:00	10/13/25 22:19	1
Barium	**230**		5.0		ug/L		10/10/25 14:00	10/13/25 22:19	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**68**		1.0		mg/L			10/10/25 17:15	1
Fluoride (SW846 9056A)	**0.91**		0.050		mg/L			10/10/25 17:15	1
Sulfate (SW846 9056A)	**270**		5.0		mg/L			10/10/25 17:24	5
Total Dissolved Solids (SM 2540C)	**730**		10		mg/L			10/10/25 11:55	1

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-17-17
Lab Sample ID: 240-234871-5

Date Collected: 10/07/25 13:51
Matrix: Water
Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**480**		100		ug/L		10/10/25 14:00	10/14/25 17:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:21	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 22:21	1
Molybdenum	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:21	1
Lithium	**13**		8.0		ug/L		10/10/25 14:00	10/13/25 22:21	1
Calcium	**71000**		1000		ug/L		10/10/25 14:00	10/13/25 22:21	1
Barium	**53**		5.0		ug/L		10/10/25 14:00	10/13/25 22:21	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**44**		1.0		mg/L			10/10/25 17:33	1
Fluoride (SW846 9056A)	**0.67**		0.050		mg/L			10/10/25 17:33	1
Sulfate (SW846 9056A)	**8.6**		1.0		mg/L			10/10/25 17:33	1
Total Dissolved Solids (SM 2540C)	**400**		10		mg/L			10/10/25 11:55	1

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-17-06
Lab Sample ID: 240-234871-6
Date Collected: 10/07/25 15:19
Matrix: Water
Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	440		100		ug/L		10/10/25 14:00	10/14/25 17:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		5.0		ug/L		10/10/25 14:00	10/13/25 22:29	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 22:29	1
Molybdenum	7.3		5.0		ug/L		10/10/25 14:00	10/13/25 22:29	1
Lithium	25		8.0		ug/L		10/10/25 14:00	10/13/25 22:29	1
Calcium	310000		1000		ug/L		10/10/25 14:00	10/13/25 22:29	1
Barium	150		5.0		ug/L		10/10/25 14:00	10/13/25 22:29	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	810		5.0		mg/L			10/10/25 17:42	5
Fluoride (SW846 9056A)	0.36		0.25		mg/L			10/10/25 17:42	5
Sulfate (SW846 9056A)	450		5.0		mg/L			10/10/25 17:42	5
Total Dissolved Solids (SM 2540C)	2600		40		mg/L			10/10/25 11:55	1

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-17-07
Lab Sample ID: 240-234871-7

Date Collected: 10/07/25 15:57
Matrix: Water

Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	590		100		ug/L		10/10/25 14:00	10/14/25 17:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13		5.0		ug/L		10/10/25 14:00	10/13/25 22:32	1
Cobalt	6.6		1.0		ug/L		10/10/25 14:00	10/13/25 22:32	1
Molybdenum	11		5.0		ug/L		10/10/25 14:00	10/13/25 22:32	1
Lithium	28		8.0		ug/L		10/10/25 14:00	10/13/25 22:32	1
Calcium	490000		1000		ug/L		10/10/25 14:00	10/13/25 22:32	1
Barium	37		5.0		ug/L		10/10/25 14:00	10/13/25 22:32	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	1400		50		mg/L			10/10/25 18:10	50
Fluoride (SW846 9056A)	0.46		0.25		mg/L			10/10/25 18:01	5
Sulfate (SW846 9056A)	880		50		mg/L			10/10/25 18:10	50
Total Dissolved Solids (SM 2540C)	6500		50		mg/L			10/10/25 11:55	1

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: DUP-1
Lab Sample ID: 240-234871-8

Date Collected: 10/07/25 00:00
Matrix: Water

Date Received: 10/09/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**140**		100		ug/L		10/10/25 14:00	10/14/25 17:52	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:34	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 22:34	1
Molybdenum	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 22:34	1
Lithium	**12**		8.0		ug/L		10/10/25 14:00	10/13/25 22:34	1
Calcium	**130000**		1000		ug/L		10/10/25 14:00	10/13/25 22:34	1
Barium	**63**		5.0		ug/L		10/10/25 14:00	10/13/25 22:34	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**180**		1.0		mg/L			10/11/25 02:53	1
Fluoride (SW846 9056A)	**0.27**		0.050		mg/L			10/11/25 02:53	1
Sulfate (SW846 9056A)	**56**		1.0		mg/L			10/11/25 02:53	1
Total Dissolved Solids (SM 2540C)	**710**		10		mg/L			10/10/25 11:55	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-675460/1-A
Matrix: Water
Analysis Batch: 675788

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 675460

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		10/10/25 14:00	10/13/25 23:19	1

Lab Sample ID: LCS 240-675460/2-A
Matrix: Water
Analysis Batch: 675788

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 675460

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1090		ug/L		109	80 - 120		

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-675460/1-A
Matrix: Water
Analysis Batch: 675773

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 675460

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 21:29	1
Cobalt	1.0	U	1.0		ug/L		10/10/25 14:00	10/13/25 21:29	1
Molybdenum	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 21:29	1
Lithium	8.0	U	8.0		ug/L		10/10/25 14:00	10/13/25 21:29	1
Calcium	1000	U	1000		ug/L		10/10/25 14:00	10/13/25 21:29	1
Barium	5.0	U	5.0		ug/L		10/10/25 14:00	10/13/25 21:29	1

Lab Sample ID: LCS 240-675460/3-A
Matrix: Water
Analysis Batch: 675773

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 675460

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			1000	1010		ug/L		101	80 - 120		
Cobalt			500	480		ug/L		96	80 - 120		
Molybdenum			500	502		ug/L		100	80 - 120		
Lithium			500	535		ug/L		107	80 - 120		
Calcium			25000	25100		ug/L		100	80 - 120		
Barium			1000	979		ug/L		98	80 - 120		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-675468/3
Matrix: Water
Analysis Batch: 675468

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			10/10/25 11:35	1
Fluoride	0.050	U	0.050		mg/L			10/10/25 11:35	1
Sulfate	1.0	U	1.0		mg/L			10/10/25 11:35	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-675468/4
Matrix: Water
Analysis Batch: 675468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.1		mg/L		98	90 - 110
Fluoride	2.50	2.50		mg/L		100	90 - 110
Sulfate	50.0	49.4		mg/L		99	90 - 110

Lab Sample ID: MB 240-675517/3
Matrix: Water
Analysis Batch: 675517

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	mg/L			10/11/25 02:07	1
Fluoride	0.050	U	0.050	mg/L			10/11/25 02:07	1
Sulfate	1.0	U	1.0	mg/L			10/11/25 02:07	1

Lab Sample ID: LCS 240-675517/4
Matrix: Water
Analysis Batch: 675517

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.1		mg/L		98	90 - 110
Fluoride	2.50	2.50		mg/L		100	90 - 110
Sulfate	50.0	50.0		mg/L		100	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-675503/1
Matrix: Water
Analysis Batch: 675503

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10	mg/L			10/10/25 11:55	1

Lab Sample ID: LCS 240-675503/2
Matrix: Water
Analysis Batch: 675503

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	523		mg/L		106	80 - 120

Lab Sample ID: 240-234871-3 DU
Matrix: Water
Analysis Batch: 675503

Client Sample ID: MW-16-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	710		683		mg/L		4	20

Metals

Prep Batch: 675460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-1	MW-16-01	Total Recoverable	Water	3005A	
240-234871-2	MW-16-02	Total Recoverable	Water	3005A	
240-234871-3	MW-16-03	Total Recoverable	Water	3005A	
240-234871-4	MW-17-16	Total Recoverable	Water	3005A	
240-234871-5	MW-17-17	Total Recoverable	Water	3005A	
240-234871-6	MW-17-06	Total Recoverable	Water	3005A	
240-234871-7	MW-17-07	Total Recoverable	Water	3005A	
240-234871-8	DUP-1	Total Recoverable	Water	3005A	
MB 240-675460/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-675460/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-675460/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 675773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-1	MW-16-01	Total Recoverable	Water	6020B	675460
240-234871-2	MW-16-02	Total Recoverable	Water	6020B	675460
240-234871-3	MW-16-03	Total Recoverable	Water	6020B	675460
240-234871-4	MW-17-16	Total Recoverable	Water	6020B	675460
240-234871-5	MW-17-17	Total Recoverable	Water	6020B	675460
240-234871-6	MW-17-06	Total Recoverable	Water	6020B	675460
240-234871-7	MW-17-07	Total Recoverable	Water	6020B	675460
240-234871-8	DUP-1	Total Recoverable	Water	6020B	675460
MB 240-675460/1-A	Method Blank	Total Recoverable	Water	6020B	675460
LCS 240-675460/3-A	Lab Control Sample	Total Recoverable	Water	6020B	675460

Analysis Batch: 675788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-675460/1-A	Method Blank	Total Recoverable	Water	6010D	675460
LCS 240-675460/2-A	Lab Control Sample	Total Recoverable	Water	6010D	675460

Analysis Batch: 676032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-1	MW-16-01	Total Recoverable	Water	6010D	675460
240-234871-2	MW-16-02	Total Recoverable	Water	6010D	675460
240-234871-3	MW-16-03	Total Recoverable	Water	6010D	675460
240-234871-4	MW-17-16	Total Recoverable	Water	6010D	675460
240-234871-5	MW-17-17	Total Recoverable	Water	6010D	675460
240-234871-6	MW-17-06	Total Recoverable	Water	6010D	675460
240-234871-7	MW-17-07	Total Recoverable	Water	6010D	675460
240-234871-8	DUP-1	Total Recoverable	Water	6010D	675460

General Chemistry

Analysis Batch: 675468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-1	MW-16-01	Total/NA	Water	9056A	
240-234871-1	MW-16-01	Total/NA	Water	9056A	
240-234871-2	MW-16-02	Total/NA	Water	9056A	
240-234871-2	MW-16-02	Total/NA	Water	9056A	
240-234871-3	MW-16-03	Total/NA	Water	9056A	
240-234871-4	MW-17-16	Total/NA	Water	9056A	

General Chemistry (Continued)

Analysis Batch: 675468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-4	MW-17-16	Total/NA	Water	9056A	
240-234871-5	MW-17-17	Total/NA	Water	9056A	
240-234871-6	MW-17-06	Total/NA	Water	9056A	
240-234871-7	MW-17-07	Total/NA	Water	9056A	
240-234871-7	MW-17-07	Total/NA	Water	9056A	
MB 240-675468/3	Method Blank	Total/NA	Water	9056A	
LCS 240-675468/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 675503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-1	MW-16-01	Total/NA	Water	SM 2540C	
240-234871-2	MW-16-02	Total/NA	Water	SM 2540C	
240-234871-3	MW-16-03	Total/NA	Water	SM 2540C	
240-234871-4	MW-17-16	Total/NA	Water	SM 2540C	
240-234871-5	MW-17-17	Total/NA	Water	SM 2540C	
240-234871-6	MW-17-06	Total/NA	Water	SM 2540C	
240-234871-7	MW-17-07	Total/NA	Water	SM 2540C	
240-234871-8	DUP-1	Total/NA	Water	SM 2540C	
MB 240-675503/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-675503/2	Lab Control Sample	Total/NA	Water	SM 2540C	
240-234871-3 DU	MW-16-03	Total/NA	Water	SM 2540C	

Analysis Batch: 675517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-8	DUP-1	Total/NA	Water	9056A	
MB 240-675517/3	Method Blank	Total/NA	Water	9056A	
LCS 240-675517/4	Lab Control Sample	Total/NA	Water	9056A	

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-16-01
Lab Sample ID: 240-234871-1
Date Collected: 10/07/25 11:34
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:22
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:11
Total/NA	Analysis	9056A		1	675468	JMR	EET CLE	10/10/25 16:01
Total/NA	Analysis	9056A		5	675468	JMR	EET CLE	10/10/25 16:10
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Client Sample ID: MW-16-02
Lab Sample ID: 240-234871-2
Date Collected: 10/07/25 10:00
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:27
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:13
Total/NA	Analysis	9056A		1	675468	JMR	EET CLE	10/10/25 16:20
Total/NA	Analysis	9056A		5	675468	JMR	EET CLE	10/10/25 16:29
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Client Sample ID: MW-16-03
Lab Sample ID: 240-234871-3
Date Collected: 10/07/25 12:45
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:31
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:16
Total/NA	Analysis	9056A		1	675468	JMR	EET CLE	10/10/25 16:38
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Client Sample ID: MW-17-16
Lab Sample ID: 240-234871-4
Date Collected: 10/07/25 14:32
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:35
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:19
Total/NA	Analysis	9056A		1	675468	JMR	EET CLE	10/10/25 17:15
Total/NA	Analysis	9056A		5	675468	JMR	EET CLE	10/10/25 17:24

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-17-16 — Lab Sample ID: 240-234871-4

Date Collected: 10/07/25 14:32 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Client Sample ID: MW-17-17 — Lab Sample ID: 240-234871-5

Date Collected: 10/07/25 13:51 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:39
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:21
Total/NA	Analysis	9056A		1	675468	JMR	EET CLE	10/10/25 17:33
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Client Sample ID: MW-17-06 — Lab Sample ID: 240-234871-6

Date Collected: 10/07/25 15:19 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:44
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:29
Total/NA	Analysis	9056A		5	675468	JMR	EET CLE	10/10/25 17:42
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Client Sample ID: MW-17-07 — Lab Sample ID: 240-234871-7

Date Collected: 10/07/25 15:57 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:48
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:32
Total/NA	Analysis	9056A		5	675468	JMR	EET CLE	10/10/25 18:01
Total/NA	Analysis	9056A		50	675468	JMR	EET CLE	10/10/25 18:10
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: DUP-1 Lab Sample ID: 240-234871-8

Date Collected: 10/07/25 00:00 **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6010D		1	676032	RKT	EET CLE	10/14/25 17:52
Total Recoverable	Prep	3005A			675460	MN7X	EET CLE	10/10/25 14:00
Total Recoverable	Analysis	6020B		1	675773	S4FJ	EET CLE	10/13/25 22:34
Total/NA	Analysis	9056A		1	675517	JMR	EET CLE	10/11/25 02:53
Total/NA	Analysis	SM 2540C		1	675503	AAP	EET CLE	10/10/25 11:55

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: TRC Environmental Corporation. Job ID: 240-234871-1
Project/Site: CCR DTE River Rouge Power Plant

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	2250	09-30-26
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-26
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-26

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Yost	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.1
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trocompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Assessment Wells	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3

240-234871 COC

Other:

6020_MO27

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010B Bo, 6020 Ca,As,Ba,Co,Li,Mo	6010B As,Ba,Co,Li,Mo	Total Number of containers
			Preservation Code:				N	N	D		
MW-16-01	10/7/25	1134	G	Water	N	N	X	X	X	X	
MW-16-02	10/7/25	1000		Water	N	N	X	X	X	X	
MW-16-03	10/7/25	1245		Water	N	N	X	X	X	X	
MW-17-16	10/7/25	1432		Water	N	N	X	X	X	X	
MW-17-17	10/7/25	1351		Water	N	N	X	X	X	X	
MW-17-06	10/7/25	1519		Water	N	N	X	X	X	X	
MW-17-07	10/7/25	1557		Water	N	N	X	X	X	X	
DUP-1	10/7/25	—		Water	N	N	X	X	X	X	
				Water							
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDA

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Allison Yost	10/7/25 1753	TRC	TRC Fridge	10/7/25 1753	TRC
Relinquished by:	10/8/25 0946	TRC		10/8/25 0946	EEXA
Relinquished by:	10/8/25 0946	EEXA		10/9/25 0800	Test

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Assessment Wells	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
Preservation Code:					N	N	D	D		
MW-16-01	10/7/25	1134	G	Water			X	X		
MW-16-02		1000		Water			X	X		
MW-16-03		1245		Water			X	X		
MW-17-16		1432		Water			X	X		
MW-17-17		1351		Water			X	X		
MW-17-06		1519		Water			X	X		
MW-17-07		1557		Water			X	X		
DUP-1		—		Water			X	X		
				Water						
				Water						
				Water						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alan Kast	10/7/25 to 1754	TRC	TRC Fridge	10/7/25 1754	TRC
2		10/8/25 0946	TRC		10/8/25 0946	EETA
3		10/8/25 0946	EETA		10/9/25 0800	EEC

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 2 of 2 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested: ~~Standard~~			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE FRPP-Assessment Wells	Project #: 24016806			
Site: Michigan	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020 Cu,Fe,Ni,Ag,V,Zn	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
MW-16-01	10/7/25	1134	G	Water	N	N	X		
MW-16-02		1000		Water	N	N	X		
MW-16-03		1245		Water	N	N	X		
MW-17-16		1432		Water	N	N	X		
MW-17-17		1351		Water	N	N	X		
MW-17-06		1519		Water	N	N	X		
MW-17-07		1557		Water	N	N	X		
DUP-1		—		Water	N	N	X		
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Adam Kast	10/7/25 1753	TRC	TRC Fridge 1753	10/7/25 1753	TRC
2	[signature]	10/8/25 0946	TRC	[signature]	10/8/25 0946	EETA
3	[signature]	10/8/25 0946	EETA	[signature]	10/9/25 0820	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client TRC Environmental Site Name _____ Cooler unpacked by

Cooler Received on 10/9/25 Opened on 10/9/25

FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # _____ (CF _____ °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2.	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No
	-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No
	-Were tamper/custody seals intact and uncompromised?	Yes No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes No
4	Did custody papers accompany the sample(s)?	Yes No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No
7	Did all bottles arrive in good condition (Unbroken)?	Yes No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	Yes No
11	Sufficient quantity received to perform indicated analyses?	Yes No
12	Are these work share samples and all listed on the COC?	Yes No
	If yes, Questions 13 17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: _____

Labels Verified by: _____

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 13	0 2	0 8	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #: 1	0 6	1.2	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #: 1	0.4	1.0	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

10/9/2025

Login Container Summary Report

240-234871

10/15/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-234871-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-234871-B-1	Plastic 500ml unpreserved				
MW-16-01	240-234871-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-234871-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-234871 E-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240 234871-A-2	Plastic 60 mL - unpreserved				
MW 16-02	240-234871-B 2	Plastic 500ml - unpreserved				
MW-16-02	240-234871-C-2	Plastic 500ml - with Nitric Acid	<2			
MW 16-02	240-234871 D-2	Plastic 1 liter Nitric Acid	<2			
MW-16-02	240-234871-E-2	Plastic 1 liter - Nitric Acid	<2			
MW 16-03	240-234871-A-3	Plastic 60 mL unpreserved				
MW-16-03	240-234871-B-3	Plastic 500ml - unpreserved				
MW 16-03	240 234871-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-234871-D-3	Plastic 1 liter - Nitric Acid	<2			
MW 16-03	240-234871-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-234871 A-4	Plastic 60 mL - unpreserved				
MW 17-16	240-234871-B-4	Plastic 500ml unpreserved				
MW-17 16	240-234871-C-4	Plastic 500ml - with Nitric Acid	<2			
MW 17-16	240-234871-D-4	Plastic 1 liter Nitric Acid	<2			
MW-17-16	240 234871 E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-234871 A 5	Plastic 60 mL - unpreserved				
MW-17-17	240-234871 B-5	Plastic 500ml - unpreserved				
MW 17 17	240-234871-C-5	Plastic 500ml with Nitric Acid	<2			
MW-17-17	240-234871-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17 17	240-234871-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-234871 A-6	Plastic 60 mL - unpreserved				
MW 17-06	240-234871-B-6	Plastic 500ml unpreserved				
MW 17-06	240-234871-C-6	Plastic 500ml - with Nitric Acid	<2			
MW 17-06	240-234871-D-6	Plastic 1 liter Nitric Acid	<2			
MW-17-06	240 234871 E-6	Plastic 1 liter - Nitric Acid	<2			
MW 17-07	240-234871-A-7	Plastic 60 mL unpreserved				
MW-17-07	240-234871 B 7	Plastic 500ml - unpreserved				
MW 17-07	240-234871-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-234871 D-7	Plastic 1 liter Nitric Acid	<2			
MW-17-07	240-234871 E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
DUP 1	240-234871-A-8	Plastic 60 mL unpreserved				
DUP-1	240 234871-B-8	Plastic 500ml - unpreserved				
DUP-1	240-234871-C-8	Plastic 500ml - with Nitric Acid	<2			
DUP 1	240 234871-D-8	Plastic 1 liter - Nitric Acid	<2			
DUP-1	240-234871-E-8	Plastic 1 liter - Nitric Acid	<2			

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 11/10/2025 3:08:00 PM

JOB DESCRIPTION

CCR DTE River Rouge Power Plant

JOB NUMBER

240-234871-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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11/10/2025 3:08:00 PM

Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-234871-2 Eurofins Cleveland

Job Narrative
240-234871-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/9/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.8°C, 1.0°C and 1.2°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium 228 Batch 740584

The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 128: (LCS 160-740584/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-234871-1	MW-16-01	Water	10/07/25 11:34	10/09/25 08:00	Michigan
240-234871-2	MW-16-02	Water	10/07/25 10:00	10/09/25 08:00	Michigan
240-234871-3	MW-16-03	Water	10/07/25 12:45	10/09/25 08:00	Michigan
240-234871-4	MW-17-16	Water	10/07/25 14:32	10/09/25 08:00	Michigan
240-234871-5	MW-17-17	Water	10/07/25 13:51	10/09/25 08:00	Michigan
240-234871-6	MW-17-06	Water	10/07/25 15:19	10/09/25 08:00	Michigan
240-234871-7	MW-17-07	Water	10/07/25 15:57	10/09/25 08:00	Michigan
240-234871-8	DUP-1	Water	10/07/25 00:00	10/09/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-16-01 — Lab Sample ID: 240-234871-1

No Detections.

Client Sample ID: MW-16-02 — Lab Sample ID: 240-234871-2

No Detections.

Client Sample ID: MW-16-03 — Lab Sample ID: 240-234871-3

No Detections.

Client Sample ID: MW-17-16 — Lab Sample ID: 240-234871-4

No Detections.

Client Sample ID: MW-17-17 — Lab Sample ID: 240-234871-5

No Detections.

Client Sample ID: MW-17-06 — Lab Sample ID: 240-234871-6

No Detections.

Client Sample ID: MW-17-07 — Lab Sample ID: 240-234871-7

No Detections.

Client Sample ID: DUP-1 — Lab Sample ID: 240-234871-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16-01
Lab Sample ID: 240-234871-1
Date Collected: 10/07/25 11:34
Matrix: Water
Date Received: 10/09/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.245	U	0.247	0.248	1.00	0.392	pCi/L	10/14/25 07:40	11/07/25 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*10/14/25 07:40*	*11/07/25 16:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.688**		0.426	0.431	1.00	0.633	pCi/L	10/14/25 07:44	11/07/25 09:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.933**		0.492	0.497	5.00	0.633	pCi/L		11/10/25 13:48	1

Client Sample ID: MW-16-02
Lab Sample ID: 240-234871-2

Date Collected: 10/07/25 10:00
Matrix: Water

Date Received: 10/09/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.407		0.238	0.241	1.00	0.309	pCi/L	10/14/25 07:40	11/07/25 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*10/14/25 07:40*	*11/07/25 16:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.36		0.443	0.461	1.00	0.528	pCi/L	10/14/25 07:44	11/07/25 09:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*
Y Carrier	*83.7*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.77		0.503	0.520	5.00	0.528	pCi/L		11/10/25 13:48	1

Client Sample ID: MW-16-03
Lab Sample ID: 240-234871-3

Date Collected: 10/07/25 12:45
Matrix: Water

Date Received: 10/09/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.369		0.248	0.250	1.00	0.341	pCi/L	10/14/25 07:40	11/07/25 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*10/14/25 07:40*	*11/07/25 16:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.63		0.512	0.533	1.00	0.608	pCi/L	10/14/25 07:44	11/07/25 09:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*
Y Carrier	*79.3*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.99		0.569	0.589	5.00	0.608	pCi/L		11/10/25 13:48	1

Client Sample ID: MW-17-16
Date Collected: 10/07/25 14:32
Date Received: 10/09/25 08:00

Lab Sample ID: 240-234871-4
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.280	U	0.236	0.237	1.00	0.356	pCi/L	10/14/25 07:40	11/07/25 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*10/14/25 07:40*	*11/07/25 16:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.971**		0.386	0.397	1.00	0.490	pCi/L	10/14/25 07:44	11/07/25 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*
Y Carrier	*83.7*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.25**		0.452	0.462	5.00	0.490	pCi/L		11/10/25 13:48	1

Client Sample ID: MW-17-17 **Lab Sample ID: 240-234871-5**
Date Collected: 10/07/25 13:51 **Matrix: Water**
Date Received: 10/09/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.224	U	0.281	0.282	1.00	0.467	pCi/L	10/14/25 07:40	11/07/25 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*10/14/25 07:40*	*11/07/25 16:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.01**		0.457	0.466	1.00	0.614	pCi/L	10/14/25 07:44	11/07/25 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*
Y Carrier	*75.5*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.24**		0.536	0.545	5.00	0.614	pCi/L		11/10/25 13:48	1

Client Sample ID: MW-17-06
Lab Sample ID: 240-234871-6
Date Collected: 10/07/25 15:19
Matrix: Water
Date Received: 10/09/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.49		0.442	0.462	1.00	0.456	pCi/L	10/14/25 07:40	11/07/25 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*10/14/25 07:40*	*11/07/25 16:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.70		0.575	0.626	1.00	0.540	pCi/L	10/14/25 07:44	11/07/25 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.19		0.725	0.778	5.00	0.540	pCi/L		11/10/25 13:48	1

Client Sample ID: MW-17-07 **Lab Sample ID: 240-234871-7**
Date Collected: 10/07/25 15:57 **Matrix: Water**
Date Received: 10/09/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.294	U	0.231	0.233	1.00	0.338	pCi/L	10/14/25 07:40	11/07/25 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/14/25 07:40*	*11/07/25 14:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.01**		0.425	0.435	1.00	0.546	pCi/L	10/14/25 07:44	11/07/25 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.30**		0.484	0.493	5.00	0.546	pCi/L		11/10/25 13:48	1

Client Sample ID: DUP-1
Date Collected: 10/07/25 00:00
Date Received: 10/09/25 08:00

Lab Sample ID: 240-234871-8
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.434		0.262	0.265	1.00	0.350	pCi/L	10/14/25 07:40	11/07/25 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.4*		*30 - 110*	*10/14/25 07:40*	*11/07/25 14:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.863		0.419	0.426	1.00	0.577	pCi/L	10/14/25 07:44	11/07/25 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.4*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:51*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.30		0.494	0.502	5.00	0.577	pCi/L		11/10/25 13:48	1

Tracer/Carrier Summary

Client: TRC Environmental Corporation.
Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
		Ba						
Lab Sample ID	Client Sample ID	(30-110)						
240-234871-1	MW-16-01	85.0						
240-234871-1 DU	MW-16-01	83.6						
240-234871-2	MW-16-02	92.1						
240-234871-3	MW-16-03	84.7						
240-234871-4	MW-17-16	91.3						
240-234871-5	MW-17-17	85.0						
240-234871-6	MW-17-06	89.1						
240-234871-7	MW-17-07	86.3						
240-234871-8	DUP-1	87.4						
LCS 160-740583/2-A	Lab Control Sample	85.5						
MB 160-740583/1-A	Method Blank	87.7						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
		Ba	Y					
Lab Sample ID	Client Sample ID	(30-110)	(30-110)					
240-234871-1	MW-16-01	85.0	80.7					
240-234871-1 DU	MW-16-01	83.6	80.7					
240-234871-2	MW-16-02	92.1	83.7					
240-234871-3	MW-16-03	84.7	79.3					
240-234871-4	MW-17-16	91.3	83.7					
240-234871-5	MW-17-17	85.0	75.5					
240-234871-6	MW-17-06	89.1	79.6					
240-234871-7	MW-17-07	86.3	76.3					
240-234871-8	DUP-1	87.4	78.5					
LCS 160-740584/2-A	Lab Control Sample	85.5	83.7					
MB 160-740584/1-A	Method Blank	87.7	82.6					

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-740583/1-A
Matrix: Water
Analysis Batch: 744255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740583

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01358	U	0.171	0.171	1.00	0.343	pCi/L	10/14/25 07:40	11/07/25 16:02	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/14/25 07:40*	*11/07/25 16:02*	*1*

Lab Sample ID: LCS 160-740583/2-A
Matrix: Water
Analysis Batch: 744255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740583

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.878		1.23	1.00	0.410	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.5*		*30 - 110*

Lab Sample ID: 240-234871-1 DU
Matrix: Water
Analysis Batch: 744255

Client Sample ID: MW-16-01
Prep Type: Total/NA
Prep Batch: 740583

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.245	U		0.3460	U	0.300	1.00	0.459	pCi/L			0.18	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*83.6*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-740584/1-A
Matrix: Water
Analysis Batch: 744255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740584

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1555	U	0.340	0.341	1.00	0.592	pCi/L	10/14/25 07:44	11/07/25 09:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*
Y Carrier	*82.6*		*30 - 110*	*10/14/25 07:44*	*11/07/25 09:50*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-740584/2-A
Matrix: Water
Analysis Batch: 744255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740584

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.95	10.14		1.37	1.00	0.531	pCi/L	128	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.5*		*30 - 110*
Y Carrier	*83.7*		*30 - 110*

Lab Sample ID: 240-234871-1 DU
Matrix: Water
Analysis Batch: 744255

Client Sample ID: MW-16-01
Prep Type: Total/NA
Prep Batch: 740584

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.688			0.7720		0.423	1.00	0.593	pCi/L			0.1	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*83.6*		*30 - 110*
Y Carrier	*80.7*		*30 - 110*

QC Association Summary

Client: TRC Environmental Corporation.
Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Rad

Prep Batch: 740583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-1	MW-16-01	Total/NA	Water	PrecSep-21	
240-234871-2	MW-16-02	Total/NA	Water	PrecSep-21	
240-234871-3	MW-16-03	Total/NA	Water	PrecSep-21	
240-234871-4	MW-17-16	Total/NA	Water	PrecSep-21	
240-234871-5	MW-17-17	Total/NA	Water	PrecSep-21	
240-234871-6	MW-17-06	Total/NA	Water	PrecSep-21	
240-234871-7	MW-17-07	Total/NA	Water	PrecSep-21	
240-234871-8	DUP-1	Total/NA	Water	PrecSep-21	
MB 160-740583/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-740583/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-234871-1 DU	MW-16-01	Total/NA	Water	PrecSep-21	

Prep Batch: 740584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-234871-1	MW-16-01	Total/NA	Water	PrecSep_0	
240-234871-2	MW-16-02	Total/NA	Water	PrecSep_0	
240-234871-3	MW-16-03	Total/NA	Water	PrecSep_0	
240-234871-4	MW-17-16	Total/NA	Water	PrecSep_0	
240-234871-5	MW-17-17	Total/NA	Water	PrecSep_0	
240-234871-6	MW-17-06	Total/NA	Water	PrecSep_0	
240-234871-7	MW-17-07	Total/NA	Water	PrecSep_0	
240-234871-8	DUP-1	Total/NA	Water	PrecSep_0	
MB 160-740584/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-740584/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-234871-1 DU	MW-16-01	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-16-01 — Lab Sample ID: 240-234871-1

Date Collected: 10/07/25 11:34 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744255	SWS	EET SL	11/07/25 16:03
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:50
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW-16-02 — Lab Sample ID: 240-234871-2

Date Collected: 10/07/25 10:00 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744255	SWS	EET SL	11/07/25 16:03
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:50
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW-16-03 — Lab Sample ID: 240-234871-3

Date Collected: 10/07/25 12:45 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744255	SWS	EET SL	11/07/25 16:03
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:50
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW-17-16 — Lab Sample ID: 240-234871-4

Date Collected: 10/07/25 14:32 — **Matrix: Water**
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744255	SWS	EET SL	11/07/25 16:03
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:51
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Client Sample ID: MW-17-17
Lab Sample ID: 240-234871-5
Date Collected: 10/07/25 13:51
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744255	SWS	EET SL	11/07/25 16:03
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:51
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW-17-06
Lab Sample ID: 240-234871-6
Date Collected: 10/07/25 15:19
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744255	SWS	EET SL	11/07/25 16:03
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:51
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW-17-07
Lab Sample ID: 240-234871-7
Date Collected: 10/07/25 15:57
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744256	SWS	EET SL	11/07/25 14:10
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:51
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: DUP-1
Lab Sample ID: 240-234871-8
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/09/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740583	AMS	EET SL	10/14/25 07:40
Total/NA	Analysis	9315		1	744256	SWS	EET SL	11/07/25 14:10
Total/NA	Prep	PrecSep_0			740584	AMS	EET SL	10/14/25 07:44
Total/NA	Analysis	9320		1	744255	SWS	EET SL	11/07/25 09:51
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: TRC Environmental Corporation. Job ID: 240-234871-2
Project/Site: CCR DTE River Rouge Power Plant

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25 *
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	12-31-25
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	11-30-26

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

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

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Chain of Custody Record

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Client Information	Sampler: A. Vhast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.1
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None, D - HNO3
City: Ann Arbor	TAT Requested (days): standard			240-234871 COC
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Assessment Wells	Project #: 24016806			Other:
Site: Michigan	SSOW#:			6081, M127

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010B Bo, 6020 Ca, ~~As,Ba,Co,Li,Mo~~	6010B As, Ba, Co, Li, Mo	Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	N	D			
MW-16-01	10/7/25	1134	G	Water	N	N	X	X	X	X		
MW-16-02	10/7/25	1000		Water	N	N	X	X	X	X		
MW-16-03	10/7/25	1245		Water	N	N	X	X	X	X		
MW-17-16	10/7/25	1432		Water	N	N	X	X	X	X		
MW-17-17	10/7/25	1351		Water	N	N	X	X	X	X		
MW-17-06	10/7/25	1519		Water	N	N	X	X	X	X		
MW-17-07	10/7/25	1557		Water	N	N	X	X	X	X		
DUP-1	10/7/25	—		Water	N	N	X	X	X	X		
				Water								
				Water								
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:	Method of Shipment:
Relinquished by: A. Vhast	Date/Time: 10/7/25 1753	Company: TRC	Received by: TRC Fridge	Date/Time: 10/7/25 1753	Company: TRC
Relinquished by: [signature]	Date/Time: 10/8/25 0946	Company: TRC	Received by: [signature]	Date/Time: 10/8/25 0946	Company: EETA
Relinquished by: [signature]	Date/Time: 10/8/25 0946	Company: EETA	Received by: [signature]	Date/Time: 10/9/25 0800	Company: [illegible]

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

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Chain of Custody Record

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Client Information	Sampler: A. Kast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Assessment Wells	Project #: 24016806			Other:
Site: Michigan	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
Preservation Code:					N	N	D	D		
MW-16-01	10/7/25	1134	G	Water			X	X		
MW-16-02		1000		Water			X	X		
MW-16-03		1245		Water			X	X		
MW-17-16		1432		Water			X	X		
MW-17-17		1351		Water			X	X		
MW-17-06		1519		Water			X	X		
MW-17-07		1557		Water			X	X		
DUP-1		—		Water			X	X		
				Water						
				Water						
				Water						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alan Kast	10/7/25 to 1754	TRC	TRC Fridge	10/7/25 1754	TRC
2		10/8/25 0946	TRC		10/8/25 0946	EEA
3		10/8/25 0946	EEA		10/9/25 0820	EEA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 2 of 2 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested: ~~Standard~~			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE FRPP-Assessment Wells	Project #: 24016806			
Site: Michigan	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020 Co,Fe,Ni,Ag,V,Zn	Total Number of containers	Special Instructions/Note:
		Preservation Code:					D		
MW-16-01	10/7/25	1134	G	Water	N	N	X		
MW-16-02		1000		Water	N	N	X		
MW-16-03		1245		Water	N	N	X		
MW-17-16		1432		Water	N	N	X		
MW-17-17		1351		Water	N	N	X		
MW-17-06		1519		Water	N	N	X		
MW-17-07		1557		Water	N	N	X		
DUP-1		—		Water	N	N	X		
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Adam Kast	10/7/25 1753	TRC	TRC Fridge 1753	10/7/25 1753	TRC
2		10/8/25 0946	TRC		10/8/25 0946	EEETA
3		10/8/25 0946	EEETA		10/9/25 0820	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client TRC Environmental Site Name _____ Cooler unpacked by

Cooler Received on 10/9/25 Opened on 10/9/25

FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # _____ (CF _____ °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13 17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC567196
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: NV

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
[EC circled] Client Box Other	IR GUN #: 13	0 2	0 8	[Wet Ice circled] Blue Ice Dry Ice Water None
[EC circled] Client Box Other	IR GUN #: |	0 6	1.2	[Wet Ice circled] Blue Ice Dry Ice Water None
[EC circled] Client Box Other	IR GUN #: |	0.4	1.0	[Wet Ice circled] Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ____			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

10/9/2025

Login Container Summary Report

240-234871

11/10/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-234871-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-234871-B-1	Plastic 500ml unpreserved				
MW-16-01	240-234871-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-01	240-234871-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-01	240-234871 E-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-02	240 234871-A-2	Plastic 60 mL - unpreserved				
MW 16-02	240-234871-B 2	Plastic 500ml - unpreserved				
MW-16-02	240-234871-C-2	Plastic 500ml - with Nitric Acid	<2			
MW 16-02	240-234871 D-2	Plastic 1 liter Nitric Acid	<2			
MW-16-02	240-234871-E-2	Plastic 1 liter - Nitric Acid	<2			
MW 16-03	240-234871-A-3	Plastic 60 mL unpreserved				
MW-16-03	240-234871-B-3	Plastic 500ml - unpreserved				
MW 16-03	240 234871-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-234871-D-3	Plastic 1 liter - Nitric Acid	<2			
MW 16-03	240-234871-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-16	240-234871 A-4	Plastic 60 mL - unpreserved				
MW 17-16	240-234871-B-4	Plastic 500ml unpreserved				
MW-17 16	240-234871-C-4	Plastic 500ml - with Nitric Acid	<2			
MW 17-16	240-234871-D-4	Plastic 1 liter Nitric Acid	<2			
MW-17-16	240 234871 E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-17	240-234871 A 5	Plastic 60 mL - unpreserved				
MW-17-17	240-234871 B-5	Plastic 500ml - unpreserved				
MW 17 17	240-234871-C-5	Plastic 500ml with Nitric Acid	<2			
MW-17-17	240-234871-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17 17	240-234871-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-06	240-234871 A-6	Plastic 60 mL - unpreserved				
MW 17-06	240-234871-B-6	Plastic 500ml unpreserved				
MW 17-06	240-234871-C-6	Plastic 500ml - with Nitric Acid	<2			
MW 17-06	240-234871-D-6	Plastic 1 liter Nitric Acid	<2			
MW-17-06	240 234871 E-6	Plastic 1 liter - Nitric Acid	<2			
MW 17-07	240-234871-A-7	Plastic 60 mL unpreserved				
MW-17-07	240-234871 B 7	Plastic 500ml - unpreserved				
MW 17-07	240-234871-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-07	240-234871 D-7	Plastic 1 liter Nitric Acid	<2			
MW-17-07	240-234871 E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
DUP 1	240-234871-A-8	Plastic 60 mL unpreserved				
DUP-1	240 234871-B-8	Plastic 500ml - unpreserved				
DUP-1	240-234871-C-8	Plastic 500ml - with Nitric Acid	<2			
DUP 1	240 234871-D-8	Plastic 1 liter - Nitric Acid	<2			
DUP-1	240-234871-E-8	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brooks, Kris M	Carrier Tracking No(s): N/A	COC No: 240-209192.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 240-234871-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/10/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: TRC CCR DTE River Rouge Power Plant	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21Standard Target List	9320_Ra228/PrecSep_0Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-16-01 (240-234871-1)	10/7/25	11:34 Eastern	G	Water			X	X	X	2	
MW-16-02 (240-234871-2)	10/7/25	10:00 Eastern	G	Water			X	X	X	2	
MW-16-03 (240-234871-3)	10/7/25	12:45 Eastern	G	Water			X	X	X	2	
MW-17-16 (240-234871-4)	10/7/25	14:32 Eastern	G	Water			X	X	X	2	
MW-17-17 (240-234871-5)	10/7/25	13:51 Eastern	G	Water			X	X	X	2	
MW-17-06 (240-234871-6)	10/7/25	15:19 Eastern	G	Water			X	X	X	2	
MW-17-07 (240-234871-7)	10/7/25	15:57 Eastern	G	Water			X	X	X	2	
DUP-1 (240-234871-8)	10/7/25	Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JAYDEN COLLINS	10-10-29 1529		M. Pinette	OCT 13 2025 0825	
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 240-234871-2

Login Number: 234871
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/13/25 11:00 AM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 10/16/2025 12:53:39 PM

JOB DESCRIPTION

CCR DTE RRPP-Nature & Extent MW

JOB NUMBER

240-235088-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
10/16/2025 12:53:39 PM

Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-235088-1 Eurofins Cleveland

Job Narrative
240-235088-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/11/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 2.6°C and 2.7°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
6020B	Metals (ICP/MS)	SW846	EET CLE
9056A	Anions, Ion Chromatography	SW846	EET CLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-235088-1	MW-16-04S	Water	10/08/25 15:24	10/11/25 08:00	Michigan
240-235088-2	MW-17-05	Water	10/08/25 14:23	10/11/25 08:00	Michigan
240-235088-6	MW-17-14	Water	10/08/25 11:57	10/11/25 08:00	Michigan
240-235088-7	MW-17-15	Water	10/08/25 11:37	10/11/25 08:00	Michigan
240-235088-8	MW-17-18	Water	10/08/25 13:27	10/11/25 08:00	Michigan
240-235088-10	MW-17-20	Water	10/08/25 12:59	10/11/25 08:00	Michigan
240-235088-11	DUP-02	Water	10/08/25 00:00	10/11/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP-Nature & Extent MW

Job ID: 240-235088-1

Client Sample ID: MW-16-04S — Lab Sample ID: 240-235088-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1000		100		ug/L	1		6010D	Total Recoverable
Barium	160		5.0		ug/L	1		6020B	Total Recoverable
Calcium	290000		1000		ug/L	1		6020B	Total Recoverable
Lithium	20		8.0		ug/L	1		6020B	Total Recoverable
Molybdenum	19		5.0		ug/L	1		6020B	Total Recoverable
Chloride	130		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.61		0.050		mg/L	1		9056A	Total/NA
Sulfate	670		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	1300		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-05 — Lab Sample ID: 240-235088-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	650		100		ug/L	1		6010D	Total Recoverable
Barium	150		5.0		ug/L	1		6020B	Total Recoverable
Calcium	360000		1000		ug/L	1		6020B	Total Recoverable
Lithium	40		8.0		ug/L	1		6020B	Total Recoverable
Chloride	700		10		mg/L	10		9056A	Total/NA
Fluoride	0.45		0.050		mg/L	1		9056A	Total/NA
Sulfate	530		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2400		40		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-14 — Lab Sample ID: 240-235088-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	640		100		ug/L	1		6010D	Total Recoverable
Barium	610		5.0		ug/L	1		6020B	Total Recoverable
Calcium	180000		1000		ug/L	1		6020B	Total Recoverable
Lithium	22		8.0		ug/L	1		6020B	Total Recoverable
Chloride	540		10		mg/L	10		9056A	Total/NA
Fluoride	0.64		0.050		mg/L	1		9056A	Total/NA
Sulfate	130		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	1500		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-15 — Lab Sample ID: 240-235088-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1000		100		ug/L	1		6010D	Total Recoverable
Arsenic	11		5.0		ug/L	1		6020B	Total Recoverable
Barium	210		5.0		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample ID: MW-17-15 (Continued) — Lab Sample ID: 240-235088-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Calcium	140000		1000		ug/L	1		6020B	Total Recoverable
Lithium	42		8.0		ug/L	1		6020B	Total Recoverable
Molybdenum	20		5.0		ug/L	1		6020B	Total Recoverable
Chloride	250		5.0		mg/L	5		9056A	Total/NA
Fluoride	0.81		0.050		mg/L	1		9056A	Total/NA
Sulfate	270		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	1100		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-18 — Lab Sample ID: 240-235088-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	400		100		ug/L	1		6010D	Total Recoverable
Barium	120		5.0		ug/L	1		6020B	Total Recoverable
Calcium	230000		1000		ug/L	1		6020B	Total Recoverable
Lithium	18		8.0		ug/L	1		6020B	Total Recoverable
Chloride	480		10		mg/L	10		9056A	Total/NA
Fluoride	0.39		0.050		mg/L	1		9056A	Total/NA
Sulfate	160		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	1500		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17-20 — Lab Sample ID: 240-235088-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	480		100		ug/L	1		6010D	Total Recoverable
Barium	160		5.0		ug/L	1		6020B	Total Recoverable
Calcium	390000		1000		ug/L	1		6020B	Total Recoverable
Lithium	31		8.0		ug/L	1		6020B	Total Recoverable
Chloride	1400		20		mg/L	20		9056A	Total/NA
Fluoride	0.37		0.25		mg/L	5		9056A	Total/NA
Sulfate	320		5.0		mg/L	5		9056A	Total/NA
Total Dissolved Solids	3100		50		mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-02 — Lab Sample ID: 240-235088-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	630		100		ug/L	1		6010D	Total Recoverable
Barium	610		5.0		ug/L	1		6020B	Total Recoverable
Calcium	180000		1000		ug/L	1		6020B	Total Recoverable
Lithium	22		8.0		ug/L	1		6020B	Total Recoverable
Chloride	560		10		mg/L	10		9056A	Total/NA
Fluoride	0.64		0.050		mg/L	1		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-02 (Continued) Lab Sample ID: 240-235088-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	130		1.0		mg/L	1		9056A	Total/NA
Total Dissolved Solids	1700		20		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-16-04S
Lab Sample ID: 240-235088-1
Date Collected: 10/08/25 15:24
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1000**		100		ug/L		10/13/25 14:00	10/14/25 11:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:18	1
Barium	**160**		5.0		ug/L		10/13/25 14:00	10/14/25 18:18	1
Calcium	**290000**		1000		ug/L		10/13/25 14:00	10/14/25 18:18	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 18:18	1
Lithium	**20**		8.0		ug/L		10/13/25 14:00	10/14/25 18:18	1
Molybdenum	**19**		5.0		ug/L		10/13/25 14:00	10/14/25 18:18	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**130**		1.0		mg/L			10/13/25 22:06	1
Fluoride (SW846 9056A)	**0.61**		0.050		mg/L			10/13/25 22:06	1
Sulfate (SW846 9056A)	**670**		5.0		mg/L			10/13/25 22:16	5
Total Dissolved Solids (SM 2540C)	**1300**		20		mg/L			10/14/25 17:01	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-05
Lab Sample ID: 240-235088-2

Date Collected: 10/08/25 14:23
Matrix: Water

Date Received: 10/11/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**650**		100		ug/L		10/13/25 14:00	10/14/25 12:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:36	1
Barium	**150**		5.0		ug/L		10/13/25 14:00	10/14/25 18:36	1
Calcium	**360000**		1000		ug/L		10/13/25 14:00	10/14/25 18:36	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 18:36	1
Lithium	**40**		8.0		ug/L		10/13/25 14:00	10/14/25 18:36	1
Molybdenum	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:36	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**700**		10		mg/L			10/13/25 22:34	10
Fluoride (SW846 9056A)	**0.45**		0.050		mg/L			10/13/25 22:25	1
Sulfate (SW846 9056A)	**530**		10		mg/L			10/13/25 22:34	10
Total Dissolved Solids (SM 2540C)	**2400**		40		mg/L			10/14/25 17:01	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-14
Lab Sample ID: 240-235088-6
Date Collected: 10/08/25 11:57
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**640**		100		ug/L		10/13/25 14:00	10/14/25 12:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:47	1
Barium	**610**		5.0		ug/L		10/13/25 14:00	10/14/25 18:47	1
Calcium	**180000**		1000		ug/L		10/13/25 14:00	10/14/25 18:47	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 18:47	1
Lithium	**22**		8.0		ug/L		10/13/25 14:00	10/14/25 18:47	1
Molybdenum	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:47	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**540**		10		mg/L			10/13/25 23:38	10
Fluoride (SW846 9056A)	**0.64**		0.050		mg/L			10/13/25 23:29	1
Sulfate (SW846 9056A)	**130**		1.0		mg/L			10/13/25 23:29	1
Total Dissolved Solids (SM 2540C)	**1500**		20		mg/L			10/14/25 17:01	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-15
Lab Sample ID: 240-235088-7

Date Collected: 10/08/25 11:37
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1000**		100		ug/L		10/13/25 14:00	10/14/25 12:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11**		5.0		ug/L		10/13/25 14:00	10/14/25 18:50	1
Barium	**210**		5.0		ug/L		10/13/25 14:00	10/14/25 18:50	1
Calcium	**140000**		1000		ug/L		10/13/25 14:00	10/14/25 18:50	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 18:50	1
Lithium	**42**		8.0		ug/L		10/13/25 14:00	10/14/25 18:50	1
Molybdenum	**20**		5.0		ug/L		10/13/25 14:00	10/14/25 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**250**		5.0		mg/L			10/13/25 23:57	5
Fluoride (SW846 9056A)	**0.81**		0.050		mg/L			10/13/25 23:48	1
Sulfate (SW846 9056A)	**270**		5.0		mg/L			10/13/25 23:57	5
Total Dissolved Solids (SM 2540C)	**1100**		20		mg/L			10/14/25 17:01	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-18
Lab Sample ID: 240-235088-8

Date Collected: 10/08/25 13:27
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**400**		100		ug/L		10/13/25 14:00	10/14/25 12:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:52	1
Barium	**120**		5.0		ug/L		10/13/25 14:00	10/14/25 18:52	1
Calcium	**230000**		1000		ug/L		10/13/25 14:00	10/14/25 18:52	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 18:52	1
Lithium	**18**		8.0		ug/L		10/13/25 14:00	10/14/25 18:52	1
Molybdenum	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**480**		10		mg/L			10/14/25 00:15	10
Fluoride (SW846 9056A)	**0.39**		0.050		mg/L			10/14/25 00:06	1
Sulfate (SW846 9056A)	**160**		1.0		mg/L			10/14/25 00:06	1
Total Dissolved Solids (SM 2540C)	**1500**		20		mg/L			10/14/25 17:01	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-20
Lab Sample ID: 240-235088-10

Date Collected: 10/08/25 12:59
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**480**		100		ug/L		10/13/25 14:00	10/14/25 12:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:58	1
Barium	**160**		5.0		ug/L		10/13/25 14:00	10/14/25 18:58	1
Calcium	**390000**		1000		ug/L		10/13/25 14:00	10/14/25 18:58	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 18:58	1
Lithium	**31**		8.0		ug/L		10/13/25 14:00	10/14/25 18:58	1
Molybdenum	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:58	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**1400**		20		mg/L			10/14/25 01:10	20
Fluoride (SW846 9056A)	**0.37**		0.25		mg/L			10/14/25 01:01	5
Sulfate (SW846 9056A)	**320**		5.0		mg/L			10/14/25 01:01	5
Total Dissolved Solids (SM 2540C)	**3100**		50		mg/L			10/14/25 17:01	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: DUP-02
Lab Sample ID: 240-235088-11
Date Collected: 10/08/25 00:00
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**630**		100		ug/L		10/13/25 14:00	10/14/25 12:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 19:06	1
Barium	**610**		5.0		ug/L		10/13/25 14:00	10/14/25 19:06	1
Calcium	**180000**		1000		ug/L		10/13/25 14:00	10/14/25 19:06	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 19:06	1
Lithium	**22**		8.0		ug/L		10/13/25 14:00	10/14/25 19:06	1
Molybdenum	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	**560**		10		mg/L			10/14/25 02:05	10
Fluoride (SW846 9056A)	**0.64**		0.050		mg/L			10/14/25 01:56	1
Sulfate (SW846 9056A)	**130**		1.0		mg/L			10/14/25 01:56	1
Total Dissolved Solids (SM 2540C)	**1700**		20		mg/L			10/14/25 17:01	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-675720/1-A
Matrix: Water
Analysis Batch: 676063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 675720

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		10/13/25 14:00	10/14/25 10:55	1

Lab Sample ID: LCS 240-675720/2-A
Matrix: Water
Analysis Batch: 676063

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 675720

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1080		ug/L		108	80 - 120		

Lab Sample ID: 240-235088-1 MS
Matrix: Water
Analysis Batch: 676063

Client Sample ID: MW-16-04S
Prep Type: Total Recoverable
Prep Batch: 675720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	1000		1000	2050		ug/L		104	75 - 125		

Lab Sample ID: 240-235088-1 MSD
Matrix: Water
Analysis Batch: 676063

Client Sample ID: MW-16-04S
Prep Type: Total Recoverable
Prep Batch: 675720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1000		1000	2060		ug/L		106	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-675720/1-A
Matrix: Water
Analysis Batch: 676047

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 675720

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:12	1
Barium	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:12	1
Calcium	1000	U	1000		ug/L		10/13/25 14:00	10/14/25 18:12	1
Cobalt	1.0	U	1.0		ug/L		10/13/25 14:00	10/14/25 18:12	1
Lithium	8.0	U	8.0		ug/L		10/13/25 14:00	10/14/25 18:12	1
Molybdenum	5.0	U	5.0		ug/L		10/13/25 14:00	10/14/25 18:12	1

Lab Sample ID: LCS 240-675720/3-A
Matrix: Water
Analysis Batch: 676047

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 675720

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			1000	966		ug/L		97	80 - 120		
Barium			1000	990		ug/L		99	80 - 120		
Calcium			25000	25200		ug/L		101	80 - 120		
Cobalt			500	461		ug/L		92	80 - 120		
Lithium			500	505		ug/L		101	80 - 120		
Molybdenum			500	493		ug/L		99	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-235088-1 MS — **Client Sample ID: MW-16-04S**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 676047 — **Prep Batch: 675720**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.0	U	1000	971		ug/L		97	80 - 120
Barium	160		1000	1130		ug/L		98	80 - 120
Calcium	290000		25000	302000	4	ug/L		52	80 - 120
Cobalt	1.0	U	500	453		ug/L		91	80 - 120
Lithium	20		500	524		ug/L		101	80 - 120
Molybdenum	19		500	511		ug/L		98	80 - 120

Lab Sample ID: 240-235088-1 MSD — **Client Sample ID: MW-16-04S**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 676047 — **Prep Batch: 675720**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	5.0	U	1000	967		ug/L		97	80 - 120	0	20
Barium	160		1000	1120		ug/L		96	80 - 120	1	20
Calcium	290000		25000	300000	4	ug/L		41	80 - 120	1	20
Cobalt	1.0	U	500	454		ug/L		91	80 - 120	0	20
Lithium	20		500	511		ug/L		98	80 - 120	3	20
Molybdenum	19		500	510		ug/L		98	80 - 120	0	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-675780/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 675780

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			10/13/25 19:30	1
Fluoride	0.050	U	0.050		mg/L			10/13/25 19:30	1
Sulfate	1.0	U	1.0		mg/L			10/13/25 19:30	1

Lab Sample ID: LCS 240-675780/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 675780

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			50.0	49.1		mg/L		98	90 - 110
Fluoride			2.50	2.50		mg/L		100	90 - 110
Sulfate			50.0	49.5		mg/L		99	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-676009/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 676009

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			10/14/25 17:01	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 240-676009/2
Matrix: Water
Analysis Batch: 676009

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	523		mg/L		106	80 - 120

Metals

Prep Batch: 675720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-1	MW-16-04S	Total Recoverable	Water	3005A	
240-235088-2	MW-17-05	Total Recoverable	Water	3005A	
240-235088-6	MW-17-14	Total Recoverable	Water	3005A	
240-235088-7	MW-17-15	Total Recoverable	Water	3005A	
240-235088-8	MW-17-18	Total Recoverable	Water	3005A	
240-235088-10	MW-17-20	Total Recoverable	Water	3005A	
240-235088-11	DUP-02	Total Recoverable	Water	3005A	
MB 240-675720/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-675720/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-675720/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-235088-1 MS	MW-16-04S	Total Recoverable	Water	3005A	
240-235088-1 MS	MW-16-04S	Total Recoverable	Water	3005A	
240-235088-1 MSD	MW-16-04S	Total Recoverable	Water	3005A	
240-235088-1 MSD	MW-16-04S	Total Recoverable	Water	3005A	

Analysis Batch: 676047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-1	MW-16-04S	Total Recoverable	Water	6020B	675720
240-235088-2	MW-17-05	Total Recoverable	Water	6020B	675720
240-235088-6	MW-17-14	Total Recoverable	Water	6020B	675720
240-235088-7	MW-17-15	Total Recoverable	Water	6020B	675720
240-235088-8	MW-17-18	Total Recoverable	Water	6020B	675720
240-235088-10	MW-17-20	Total Recoverable	Water	6020B	675720
240-235088-11	DUP-02	Total Recoverable	Water	6020B	675720
MB 240-675720/1-A	Method Blank	Total Recoverable	Water	6020B	675720
LCS 240-675720/3-A	Lab Control Sample	Total Recoverable	Water	6020B	675720
240-235088-1 MS	MW-16-04S	Total Recoverable	Water	6020B	675720
240-235088-1 MSD	MW-16-04S	Total Recoverable	Water	6020B	675720

Analysis Batch: 676063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-1	MW-16-04S	Total Recoverable	Water	6010D	675720
240-235088-2	MW-17-05	Total Recoverable	Water	6010D	675720
240-235088-6	MW-17-14	Total Recoverable	Water	6010D	675720
240-235088-7	MW-17-15	Total Recoverable	Water	6010D	675720
240-235088-8	MW-17-18	Total Recoverable	Water	6010D	675720
240-235088-10	MW-17-20	Total Recoverable	Water	6010D	675720
240-235088-11	DUP-02	Total Recoverable	Water	6010D	675720
MB 240-675720/1-A	Method Blank	Total Recoverable	Water	6010D	675720
LCS 240-675720/2-A	Lab Control Sample	Total Recoverable	Water	6010D	675720
240-235088-1 MS	MW-16-04S	Total Recoverable	Water	6010D	675720
240-235088-1 MSD	MW-16-04S	Total Recoverable	Water	6010D	675720

General Chemistry

Analysis Batch: 675780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-1	MW-16-04S	Total/NA	Water	9056A	
240-235088-1	MW-16-04S	Total/NA	Water	9056A	
240-235088-2	MW-17-05	Total/NA	Water	9056A	
240-235088-2	MW-17-05	Total/NA	Water	9056A	

General Chemistry (Continued)

Analysis Batch: 675780 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-6	MW-17-14	Total/NA	Water	9056A	
240-235088-6	MW-17-14	Total/NA	Water	9056A	
240-235088-7	MW-17-15	Total/NA	Water	9056A	
240-235088-7	MW-17-15	Total/NA	Water	9056A	
240-235088-8	MW-17-18	Total/NA	Water	9056A	
240-235088-8	MW-17-18	Total/NA	Water	9056A	
240-235088-10	MW-17-20	Total/NA	Water	9056A	
240-235088-10	MW-17-20	Total/NA	Water	9056A	
240-235088-11	DUP-02	Total/NA	Water	9056A	
240-235088-11	DUP-02	Total/NA	Water	9056A	
MB 240-675780/3	Method Blank	Total/NA	Water	9056A	
LCS 240-675780/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 676009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-1	MW-16-04S	Total/NA	Water	SM 2540C	
240-235088-2	MW-17-05	Total/NA	Water	SM 2540C	
240-235088-6	MW-17-14	Total/NA	Water	SM 2540C	
240-235088-7	MW-17-15	Total/NA	Water	SM 2540C	
240-235088-8	MW-17-18	Total/NA	Water	SM 2540C	
240-235088-10	MW-17-20	Total/NA	Water	SM 2540C	
240-235088-11	DUP-02	Total/NA	Water	SM 2540C	
MB 240-676009/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-676009/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-16-04S — Lab Sample ID: 240-235088-1

Date Collected: 10/08/25 15:24 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6010D		1	676063	AJC	EET CLE	10/14/25 11:12
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6020B		1	676047	S4FJ	EET CLE	10/14/25 18:18
Total/NA	Analysis	9056A		1	675780	JMR	EET CLE	10/13/25 22:06
Total/NA	Analysis	9056A		5	675780	JMR	EET CLE	10/13/25 22:16
Total/NA	Analysis	SM 2540C		1	676009	VH6H	EET CLE	10/14/25 17:01

Client Sample ID: MW-17-05 — Lab Sample ID: 240-235088-2

Date Collected: 10/08/25 14:23 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6010D		1	676063	AJC	EET CLE	10/14/25 12:05
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6020B		1	676047	S4FJ	EET CLE	10/14/25 18:36
Total/NA	Analysis	9056A		1	675780	JMR	EET CLE	10/13/25 22:25
Total/NA	Analysis	9056A		10	675780	JMR	EET CLE	10/13/25 22:34
Total/NA	Analysis	SM 2540C		1	676009	VH6H	EET CLE	10/14/25 17:01

Client Sample ID: MW-17-14 — Lab Sample ID: 240-235088-6

Date Collected: 10/08/25 11:57 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6010D		1	676063	AJC	EET CLE	10/14/25 12:24
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6020B		1	676047	S4FJ	EET CLE	10/14/25 18:47
Total/NA	Analysis	9056A		1	675780	JMR	EET CLE	10/13/25 23:29
Total/NA	Analysis	9056A		10	675780	JMR	EET CLE	10/13/25 23:38
Total/NA	Analysis	SM 2540C		1	676009	VH6H	EET CLE	10/14/25 17:01

Client Sample ID: MW-17-15 — Lab Sample ID: 240-235088-7

Date Collected: 10/08/25 11:37 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6010D		1	676063	AJC	EET CLE	10/14/25 12:28
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6020B		1	676047	S4FJ	EET CLE	10/14/25 18:50
Total/NA	Analysis	9056A		1	675780	JMR	EET CLE	10/13/25 23:48

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-15 — Lab Sample ID: 240-235088-7

Date Collected: 10/08/25 11:37 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	675780	JMR	EET CLE	10/13/25 23:57
Total/NA	Analysis	SM 2540C		1	676009	VH6H	EET CLE	10/14/25 17:01

Client Sample ID: MW-17-18 — Lab Sample ID: 240-235088-8

Date Collected: 10/08/25 13:27 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6010D		1	676063	AJC	EET CLE	10/14/25 12:33
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6020B		1	676047	S4FJ	EET CLE	10/14/25 18:52
Total/NA	Analysis	9056A		1	675780	JMR	EET CLE	10/14/25 00:06
Total/NA	Analysis	9056A		10	675780	JMR	EET CLE	10/14/25 00:15
Total/NA	Analysis	SM 2540C		1	676009	VH6H	EET CLE	10/14/25 17:01

Client Sample ID: MW-17-20 — Lab Sample ID: 240-235088-10

Date Collected: 10/08/25 12:59 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6010D		1	676063	AJC	EET CLE	10/14/25 12:42
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6020B		1	676047	S4FJ	EET CLE	10/14/25 18:58
Total/NA	Analysis	9056A		5	675780	JMR	EET CLE	10/14/25 01:01
Total/NA	Analysis	9056A		20	675780	JMR	EET CLE	10/14/25 01:10
Total/NA	Analysis	SM 2540C		1	676009	VH6H	EET CLE	10/14/25 17:01

Client Sample ID: DUP-02 — Lab Sample ID: 240-235088-11

Date Collected: 10/08/25 00:00 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6010D		1	676063	AJC	EET CLE	10/14/25 12:47
Total Recoverable	Prep	3005A			675720	GEV	EET CLE	10/13/25 14:00
Total Recoverable	Analysis	6020B		1	676047	S4FJ	EET CLE	10/14/25 19:06
Total/NA	Analysis	9056A		1	675780	JMR	EET CLE	10/14/25 01:56
Total/NA	Analysis	9056A		10	675780	JMR	EET CLE	10/14/25 02:05
Total/NA	Analysis	SM 2540C		1	676009	VH6H	EET CLE	10/14/25 17:01

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: TRC Environmental Corporation. Job ID: 240-235088-1
Project/Site: CCR DTE RRPP-Nature & Extent MW

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	2250	09-30-26
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-26
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-26

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast, Ali Yassin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.1
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010B Bo, 6020 Ca,As,Ba,Co,Li,Mo	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	X	5	3 Hold Samples: MW-17-08, MW-17-12, MW-17-13, and MW-17-19 Except TDS, Run TDS but do not Report
MW-17-05	10/8/25	1423		Water	N	N	X	X	X		
MW-17-08	10/8/25	1038		Water	N	N	X	X	X		
MW-17-12	10/8/25	0948		Water	N	N	X	X	X		
MW-17-13	10/8/25	1015		Water	N	N	X	X	X		
MW-17-14	10/8/25	1157		Water	N	N	X	X	X		
MW-17-15	10/8/25	1137		Water	N	N	X	X	X		
MW-17-18	10/8/25	1327		Water	N	N	X	X	X		
MW-17-19	10/8/25	1405		Water	N	N	X	X	X		
MW-17-20	10/8/25	1259		Water	N	N	X	X	X		
DUP-02	10/8/25	—		Water	N	N	X	X	X		

240-235088 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alyssa Kast	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
2		10-10-25 0926	TRC		10/10/25 0926	EETA
3		10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	Client

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

10/16/2025

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :_____
Barberton Facility

Client TRC Site Name_____ Cooler unpacked by: JC

Cooler Received on 10-11-25 Opened on 10-11-25

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

Receipt After-hours: Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # PC Foam Box Client Cooler Box Other_____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other_____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(Y) (Y)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	(No) NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: JAC

Labels Verified by: KM

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s):_____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC (circled) Client Box Other	IR GUN #: 17	0.8	1.5	Wet Ice (circled) Blue Ice Dry Ice Water None
EC (circled) Client Box Other	IR GUN #: 17	2.0	2.7	Wet Ice (circled) Blue Ice Dry Ice Water None
EC (circled) Client Box Other	IR GUN #: 17	1.9	2.6	Wet Ice Blue Ice Dry Ice Water (circled) None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-04S	240-235088-A-1	Plastic 60 mL - unpreserved				
MW-16-04S	240-235088-B-1	Plastic 500ml - unpreserved				
MW-16-04S	240-235088-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-04S	240-235088-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-04S	240-235088-E-1	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-A-2	Plastic 60 mL - unpreserved				
MW-17-05	240-235088-B-2	Plastic 500ml - unpreserved				
MW-17-05	240-235088-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-17-05	240-235088-D-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-A-3	Plastic 60 mL - unpreserved				
MW-17-08	240-235088-B-3	Plastic 500ml - unpreserved				
MW-17-08	240-235088-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-17-08	240-235088-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088-A-4	Plastic 60 mL - unpreserved				
MW-17-12	240-235088-B-4	Plastic 500ml - unpreserved				
MW-17-12	240-235088-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-17-12	240-235088-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-13	240-235088-A-5	Plastic 60 mL - unpreserved				
MW-17-13	240-235088-B-5	Plastic 500ml - unpreserved				
MW-17-13	240-235088-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-13	240-235088-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-13	240-235088-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-14	240-235088-A-6	Plastic 60 mL - unpreserved				
MW-17-14	240-235088-B-6	Plastic 500ml - unpreserved				
MW-17-14	240-235088-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-14	240-235088-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-14	240-235088-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088-A-7	Plastic 60 mL - unpreserved				
MW-17-15	240-235088-B-7	Plastic 500ml - unpreserved				
MW-17-15	240-235088-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-15	240-235088-D-7	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-18	240-235088-A-8	Plastic 60 mL - unpreserved				
MW-17-18	240-235088-B-8	Plastic 500ml - unpreserved				
MW-17-18	240-235088-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-18	240-235088-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-18	240-235088-E-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-A-9	Plastic 60 mL - unpreserved				
MW-17-19	240-235088-B-9	Plastic 500ml - unpreserved				
MW-17-19	240-235088-C-9	Plastic 500ml - with Nitric Acid	<2			
MW-17-19	240-235088-D-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-E-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-20	240-235088-A-10	Plastic 60 mL - unpreserved				
MW-17-20	240-235088-B-10	Plastic 500ml - unpreserved				
MW-17-20	240-235088-C-10	Plastic 500ml - with Nitric Acid	<2			
MW-17-20	240-235088-D-10	Plastic 1 liter - Nitric Acid	<2			
MW-17-20	240-235088-E-10	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-A-11	Plastic 60 mL - unpreserved				
DUP-02	240-235088-B-11	Plastic 500ml - unpreserved				
DUP-02	240-235088-C-11	Plastic 500ml - with Nitric Acid	<2			
DUP-02	240-235088-D-11	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-E-11	Plastic 1 liter - Nitric Acid	<2			

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 12/17/2025 7:34:35 PM Revision 1

JOB DESCRIPTION

CCR DTE RRPP-Nature & Extent MW

JOB NUMBER

240-235088-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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12/17/2025 7:34:35 PM
Revision 1

Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-235088-2 Eurofins Cleveland

Job Narrative
240-235088-2

REVISION

The report being provided is a revision of the original report sent on 11/12/2025. The report (revision 1) is being revised due to combined radium 226/228 needs reported.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/11/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 2.6°C and 2.7°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium-228 Prep Batch 160-740731:
The detection goal was not met for the following sample due to the reduction of sample size required by the presence of matrix interferences: MW-17-15 (240-235088-7). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-235088-1	MW-16-04S	Water	10/08/25 15:24	10/11/25 08:00	Michigan
240-235088-2	MW-17-05	Water	10/08/25 14:23	10/11/25 08:00	Michigan
240-235088-6	MW-17-14	Water	10/08/25 11:57	10/11/25 08:00	Michigan
240-235088-7	MW-17-15	Water	10/08/25 11:37	10/11/25 08:00	Michigan
240-235088-8	MW-17-18	Water	10/08/25 13:27	10/11/25 08:00	Michigan
240-235088-10	MW-17-20	Water	10/08/25 12:59	10/11/25 08:00	Michigan
240-235088-11	DUP-02	Water	10/08/25 00:00	10/11/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation. Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-16-04S — Lab Sample ID: 240-235088-1

No Detections.

Client Sample ID: MW-17-05 — Lab Sample ID: 240-235088-2

No Detections.

Client Sample ID: MW-17-14 — Lab Sample ID: 240-235088-6

No Detections.

Client Sample ID: MW-17-15 — Lab Sample ID: 240-235088-7

No Detections.

Client Sample ID: MW-17-18 — Lab Sample ID: 240-235088-8

No Detections.

Client Sample ID: MW-17-20 — Lab Sample ID: 240-235088-10

No Detections.

Client Sample ID: DUP-02 — Lab Sample ID: 240-235088-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16-04S
Date Collected: 10/08/25 15:24
Date Received: 10/11/25 08:00

Lab Sample ID: 240-235088-1
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.697		0.295	0.302	1.00	0.325	pCi/L	10/15/25 08:14	11/11/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.33		0.567	0.580	1.00	0.755	pCi/L	10/15/25 08:20	11/11/25 13:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:50*	*1*
Y Carrier	*77.0*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:50*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.02		0.639	0.654	5.00	0.755	pCi/L		12/16/25 18:52	1

Client Sample ID: MW-17-05 Lab Sample ID: 240-235088-2

Date Collected: 10/08/25 14:23 **Matrix: Water**
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.29		0.401	0.417	1.00	0.368	pCi/L	10/15/25 08:14	11/11/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.46		0.632	0.646	1.00	0.857	pCi/L	10/15/25 08:20	11/11/25 13:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:52*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.75		0.748	0.769	5.00	0.857	pCi/L		12/16/25 18:52	1

Client Sample ID: MW-17-14 — Lab Sample ID: 240-235088-6

Date Collected: 10/08/25 11:57 — **Matrix: Water**
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.88		0.435	0.466	1.00	0.303	pCi/L	10/15/25 08:14	11/11/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.21		0.718	0.776	1.00	0.739	pCi/L	10/15/25 08:20	11/11/25 13:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:52*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.09		0.839	0.905	5.00	0.739	pCi/L		12/16/25 18:52	1

Client Sample ID: MW-17-15 — Lab Sample ID: 240-235088-7

Date Collected: 10/08/25 11:37 — **Matrix: Water**
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.842		0.387	0.394	1.00	0.444	pCi/L	10/15/25 08:14	11/11/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.52	G	0.811	0.823	1.00	1.19	pCi/L	10/15/25 08:20	11/11/25 13:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:52*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.36		0.899	0.912	5.00	1.19	pCi/L		12/16/25 18:52	1

Client Sample ID: MW-17-18 — Lab Sample ID: 240-235088-8

Date Collected: 10/08/25 13:27 — **Matrix: Water**
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.645		0.344	0.349	1.00	0.456	pCi/L	10/15/25 08:14	11/11/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.06		0.476	0.486	1.00	0.659	pCi/L	10/15/25 08:20	11/11/25 12:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 12:53*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/15/25 08:20*	*11/11/25 12:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.70		0.587	0.598	5.00	0.659	pCi/L		12/16/25 18:52	1

Client Sample ID: MW-17-20 — Lab Sample ID: 240-235088-10

Date Collected: 10/08/25 12:59 — **Matrix: Water**
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.00		0.393	0.403	1.00	0.418	pCi/L	10/15/25 08:14	11/11/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.37		0.670	0.704	1.00	0.738	pCi/L	10/15/25 08:20	11/11/25 12:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*10/15/25 08:20*	*11/11/25 12:53*	*1*
Y Carrier	*78.1*		*30 - 110*	*10/15/25 08:20*	*11/11/25 12:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.37		0.777	0.811	5.00	0.738	pCi/L		12/16/25 18:52	1

Client Sample ID: DUP-02 — Lab Sample ID: 240-235088-11

Date Collected: 10/08/25 00:00 — **Matrix: Water**
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.47		0.440	0.460	1.00	0.425	pCi/L	10/15/25 08:14	11/11/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.89		0.642	0.695	1.00	0.610	pCi/L	10/15/25 08:20	11/11/25 12:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/15/25 08:20*	*11/11/25 12:53*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/15/25 08:20*	*11/11/25 12:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.36		0.778	0.833	5.00	0.610	pCi/L		12/16/25 18:52	1

Tracer/Carrier Summary

Client: TRC Environmental Corporation. Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
240-235088-1	MW-16-04S	87.7
240-235088-2	MW-17-05	78.7
240-235088-6	MW-17-14	87.7
240-235088-7	MW-17-15	84.7
240-235088-8	MW-17-18	84.7
240-235088-10	MW-17-20	90.7
240-235088-11	DUP-02	83.6
LCS 160-740730/2-A	Lab Control Sample	83.6
MB 160-740730/1-A	Method Blank	84.2

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-235088-1	MW-16-04S	87.7	77.0
240-235088-2	MW-17-05	78.7	80.7
240-235088-6	MW-17-14	87.7	83.0
240-235088-7	MW-17-15	84.7	80.7
240-235088-8	MW-17-18	84.7	84.1
240-235088-10	MW-17-20	90.7	78.1
240-235088-11	DUP-02	83.6	74.0
LCS 160-740731/2-A	Lab Control Sample	83.6	83.0
MB 160-740731/1-A	Method Blank	84.2	81.1

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-740730/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 744806 — **Prep Batch: 740730**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02885	U	0.202	0.202	1.00	0.416	pCi/L	10/15/25 08:14	11/11/25 19:40	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.2*		*30 - 110*	*10/15/25 08:14*	*11/11/25 19:40*	*1*

Lab Sample ID: LCS 160-740730/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 744806 — **Prep Batch: 740730**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.233		1.07	1.00	0.398	pCi/L	76	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.6*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-740731/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 744821 — **Prep Batch: 740731**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5290	U	0.479	0.481	1.00	0.761	pCi/L	10/15/25 08:20	11/11/25 13:53	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.2*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:53*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/15/25 08:20*	*11/11/25 13:53*	*1*

Lab Sample ID: LCS 160-740731/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 744821 — **Prep Batch: 740731**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.94	8.666		1.35	1.00	0.795	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.6*		*30 - 110*
Y Carrier	*83.0*		*30 - 110*

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE RRPP-Nature & Extent MW

Job ID: 240-235088-2

Rad

Prep Batch: 740730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-1	MW-16-04S	Total/NA	Water	PrecSep-21	
240-235088-2	MW-17-05	Total/NA	Water	PrecSep-21	
240-235088-6	MW-17-14	Total/NA	Water	PrecSep-21	
240-235088-7	MW-17-15	Total/NA	Water	PrecSep-21	
240-235088-8	MW-17-18	Total/NA	Water	PrecSep-21	
240-235088-10	MW-17-20	Total/NA	Water	PrecSep-21	
240-235088-11	DUP-02	Total/NA	Water	PrecSep-21	
MB 160-740730/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-740730/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 740731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-1	MW-16-04S	Total/NA	Water	PrecSep_0	
240-235088-2	MW-17-05	Total/NA	Water	PrecSep_0	
240-235088-6	MW-17-14	Total/NA	Water	PrecSep_0	
240-235088-7	MW-17-15	Total/NA	Water	PrecSep_0	
240-235088-8	MW-17-18	Total/NA	Water	PrecSep_0	
240-235088-10	MW-17-20	Total/NA	Water	PrecSep_0	
240-235088-11	DUP-02	Total/NA	Water	PrecSep_0	
MB 160-740731/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-740731/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-16-04S — Lab Sample ID: 240-235088-1

Date Collected: 10/08/25 15:24 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740730	AMS	EET SL	10/15/25 08:14
Total/NA	Analysis	9315		1	744806	SWS	EET SL	11/11/25 19:41
Total/NA	Prep	PrecSep_0			740731	AMS	EET SL	10/15/25 08:20
Total/NA	Analysis	9320		1	744821	SWS	EET SL	11/11/25 13:50
Total/NA	Analysis	Ra226_Ra228		1	749775	CMM	EET SL	12/16/25 18:52

Client Sample ID: MW-17-05 — Lab Sample ID: 240-235088-2

Date Collected: 10/08/25 14:23 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740730	AMS	EET SL	10/15/25 08:14
Total/NA	Analysis	9315		1	744806	SWS	EET SL	11/11/25 19:41
Total/NA	Prep	PrecSep_0			740731	AMS	EET SL	10/15/25 08:20
Total/NA	Analysis	9320		1	744821	SWS	EET SL	11/11/25 13:52
Total/NA	Analysis	Ra226_Ra228		1	749775	CMM	EET SL	12/16/25 18:52

Client Sample ID: MW-17-14 — Lab Sample ID: 240-235088-6

Date Collected: 10/08/25 11:57 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740730	AMS	EET SL	10/15/25 08:14
Total/NA	Analysis	9315		1	744806	SWS	EET SL	11/11/25 19:41
Total/NA	Prep	PrecSep_0			740731	AMS	EET SL	10/15/25 08:20
Total/NA	Analysis	9320		1	744821	SWS	EET SL	11/11/25 13:52
Total/NA	Analysis	Ra226_Ra228		1	749775	CMM	EET SL	12/16/25 18:52

Client Sample ID: MW-17-15 — Lab Sample ID: 240-235088-7

Date Collected: 10/08/25 11:37 **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740730	AMS	EET SL	10/15/25 08:14
Total/NA	Analysis	9315		1	744806	SWS	EET SL	11/11/25 19:41
Total/NA	Prep	PrecSep_0			740731	AMS	EET SL	10/15/25 08:20
Total/NA	Analysis	9320		1	744821	SWS	EET SL	11/11/25 13:52
Total/NA	Analysis	Ra226_Ra228		1	749775	CMM	EET SL	12/16/25 18:52

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-18 — Lab Sample ID: 240-235088-8

Date Collected: 10/08/25 13:27 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740730	AMS	EET SL	10/15/25 08:14
Total/NA	Analysis	9315		1	744806	SWS	EET SL	11/11/25 19:41
Total/NA	Prep	PrecSep_0			740731	AMS	EET SL	10/15/25 08:20
Total/NA	Analysis	9320		1	744801	SWS	EET SL	11/11/25 12:53
Total/NA	Analysis	Ra226_Ra228		1	749775	CMM	EET SL	12/16/25 18:52

Client Sample ID: MW-17-20 — Lab Sample ID: 240-235088-10

Date Collected: 10/08/25 12:59 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740730	AMS	EET SL	10/15/25 08:14
Total/NA	Analysis	9315		1	744806	SWS	EET SL	11/11/25 19:41
Total/NA	Prep	PrecSep_0			740731	AMS	EET SL	10/15/25 08:20
Total/NA	Analysis	9320		1	744801	SWS	EET SL	11/11/25 12:53
Total/NA	Analysis	Ra226_Ra228		1	749775	CMM	EET SL	12/16/25 18:52

Client Sample ID: DUP-02 — Lab Sample ID: 240-235088-11

Date Collected: 10/08/25 00:00 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740730	AMS	EET SL	10/15/25 08:14
Total/NA	Analysis	9315		1	744806	SWS	EET SL	11/11/25 19:41
Total/NA	Prep	PrecSep_0			740731	AMS	EET SL	10/15/25 08:20
Total/NA	Analysis	9320		1	744801	SWS	EET SL	11/11/25 12:53
Total/NA	Analysis	Ra226_Ra228		1	749775	CMM	EET SL	12/16/25 18:52

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: TRC Environmental Corporation. Job ID: 240-235088-2
Project/Site: CCR DTE RRPP-Nature & Extent MW

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-25 *
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-25
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	11-30-26

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

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Hast, A. Yassin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			Other:
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	2	2
MW-17-05		1423		Water	N	N	X	X		
MW-17-08		1038		Water	N	N	X	X		~~Hold Samples~~ HOLD
MW-17-12		0948		Water	N	N	X	X		~~MW-1~~ HOLD
MW-17-13		1015		Water	N	N	X	X		HOLD
MW-17-14		1157		Water	N	N	X	X		
MW-17-15		1137		Water	N	N	X	X		
MW-17-18		1327		Water	N	N	X	X		
MW-17-19		1405		Water	N	N	X	X		HOLD
MW-17-20		1259		Water	N	N	X	X		
DUP-02		—		Water	N	N	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ahan Hast	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
2		10-10-25 0926	TRC		10/10/25 0926	ETA
3		10/10/25 0927	ETA	JAYDEN COLLINS	10/11/25 800	ETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client TRC Site Name _____ Cooler unpacked by: JC

Cooler Received on 10-11-25 Opened on 10-11-25

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # PC Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N) (Y)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: JC

Labels Verified by: KM

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC (circled) Client Box Other	IR GUN #: 17	0.8	1.5	Wet Ice (circled) Blue Ice Dry Ice Water None
EC (circled) Client Box Other	IR GUN #: 17	2.0	2.7	Wet Ice (circled) Blue Ice Dry Ice Water None
EC (circled) Client Box Other	IR GUN #: 17	1.9	2.6	Wet Ice (circled) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ______			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-04S	240-235088-A-1	Plastic 60 mL - unpreserved				
MW-16-04S	240-235088-B-1	Plastic 500ml - unpreserved				
MW-16-04S	240-235088-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-04S	240-235088-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-04S	240-235088-E-1	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-A-2	Plastic 60 mL - unpreserved				
MW-17-05	240-235088-B-2	Plastic 500ml - unpreserved				
MW-17-05	240-235088-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-17-05	240-235088-D-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-A-3	Plastic 60 mL - unpreserved				
MW-17-08	240-235088-B-3	Plastic 500ml - unpreserved				
MW-17-08	240-235088-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-17-08	240-235088-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088-A-4	Plastic 60 mL - unpreserved				
MW-17-12	240-235088-B-4	Plastic 500ml - unpreserved				
MW-17-12	240-235088-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-17-12	240-235088-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-13	240-235088-A-5	Plastic 60 mL - unpreserved				
MW-17-13	240-235088-B-5	Plastic 500ml - unpreserved				
MW-17-13	240-235088-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-13	240-235088-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-13	240-235088-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-14	240-235088-A-6	Plastic 60 mL - unpreserved				
MW-17-14	240-235088-B-6	Plastic 500ml - unpreserved				
MW-17-14	240-235088-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-14	240-235088-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-14	240-235088-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088-A-7	Plastic 60 mL - unpreserved				
MW-17-15	240-235088-B-7	Plastic 500ml - unpreserved				
MW-17-15	240-235088-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-15	240-235088-D-7	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-18	240-235088-A-8	Plastic 60 mL - unpreserved				
MW-17-18	240-235088-B-8	Plastic 500ml - unpreserved				
MW-17-18	240-235088-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-18	240-235088-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-18	240-235088-E-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-A-9	Plastic 60 mL - unpreserved				
MW-17-19	240-235088-B-9	Plastic 500ml - unpreserved				
MW-17-19	240-235088-C-9	Plastic 500ml - with Nitric Acid	<2			
MW-17-19	240-235088-D-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-E-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-20	240-235088-A-10	Plastic 60 mL - unpreserved				
MW-17-20	240-235088-B-10	Plastic 500ml - unpreserved				
MW-17-20	240-235088-C-10	Plastic 500ml - with Nitric Acid	<2			
MW-17-20	240-235088-D-10	Plastic 1 liter - Nitric Acid	<2			
MW-17-20	240-235088-E-10	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-A-11	Plastic 60 mL - unpreserved				
DUP-02	240-235088-B-11	Plastic 500ml - unpreserved				
DUP-02	240-235088-C-11	Plastic 500ml - with Nitric Acid	<2			
DUP-02	240-235088-D-11	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-E-11	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast, Ali Yaasjin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.1
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			Other:
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010B Bo, 6020 Ca,As,Ba,Co,Li,Mo	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	X	5	3 Hold Samples! MW-17-08, MW-17-12, MW-1713, and MW-17-19 Except TDS, Run TDS but do not Report
MW-17-05	10/8/25	1423		Water	N	N	X	X	X		
MW-17-08	10/8/25	1038		Water	N	N	X	X	X		
MW-17-12	10/8/25	0948		Water	N	N	X	X	X		
MW-17-13	10/8/25	1015		Water	N	N	X	X	X		
MW-17-14	10/8/25	1157		Water	N	N	X	X	X		
MW-17-15	10/8/25	1137		Water	N	N	X	X	X		
MW-17-18	10/8/25	1327		Water	N	N	X	X	X		
MW-17-19	10/8/25	1405		Water	N	N	X	X	X		
MW-17-20	10/8/25	1259		Water	N	N	X	X	X		
DUP-02	10/8/25	—		Water	N	N	X	X	X		

240-235088 COC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ayden Kast	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10-10-25 0926	TRC		10/10/25 0926	EETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-[illegible]

MICHIGAN
190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. West, A. Yassin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trocompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Natrue & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Preservation Code:			9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
							N	N	D	D	D		
MW-16-04S	10/8/25	1524	G	Water	N	N				X	X	2	
MW-17-05		1423		Water	N	N				X	X		
MW-17-08		1038		Water	N	N				X	X		~~Hold Samples~~ HOLD
MW-17-12		0948		Water	N	N				X	X		~~MW-1~~ HOLD
MW-17-13		1015		Water	N	N				X	X		HOLD
MW-17-14		1157		Water	N	N				X	X		
MW-17-15		1137		Water	N	N				X	X		
MW-17-18		1327		Water	N	N				X	X		
MW-17-19		1405		Water	N	N				X	X		HOLD
MW-17-20		1259		Water	N	N				X	X		
DUP-02		—		Water	N	N				X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ashton West	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
2	[signature]	10-10-25 0926	TRC	[signature]	10/10/25 0926	EETA
3	[signature]	10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast, A. Yazsiin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 2 of 2
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020 Cu,Fe,Ni,Ag,Y,Zn	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	1	
MW-17-05		1423		Water	N	N	X		
MW-17-08		1038		Water	N	N	X		HOLD
MW-17-12		0948		Water	N	N	X		HOLD
MW-17-13		1015		Water	N	N	X		HOLD
MW-17-14		1157		Water	N	N	X		
MW-17-15		1137		Water	N	N	X		
MW-17-18		1327		Water	N	N	X		
MW-17-19		1405		Water	N	N	X		HOLD
MW-17-20		1259		Water	N	N	X		
DUP-02		—		Water	N	N	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/8/25 1748	TRC	TRC Fridge	10/8/25 1748	TRC
[signature]	10-10-25 0926	TRC	[signature]	10/10/25 0926	EETA
[signature]	10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # ·_____
Barberton Facility

Client TRC Site Name_____ Cooler unpacked by· JC

Cooler Received on 10-11-25 Opened on 10-11-25

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other_____

Receipt After-hours Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # EC Foam Box Client Cooler Box Other_____

Packing material used - Bubble Wrap Foam Plastic Bag None Other_____

COOLANT· Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp._____°C Corrected Cooler Temp _____°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC567196
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving·

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by·

Labels Verified by·

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # ______

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	0.8	1.5	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	2.0	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	1.9	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

10/11/2025

Login Container Summary Report

240-235088

12/17/2025 (Rev. 1)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW 16-04S	240-235088-A-1	Plastic 60 mL - unpreserved				
MW-16-04S	240 235088-B-1	Plastic 500ml - unpreserved				
MW-16-04S	240-235088-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-04S	240-235088 D-1	Plastic 1 liter - Nitric Acid	<2			
MW 16-04S	240-235088-E-1	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088 A-2	Plastic 60 mL unpreserved				
MW 17-05	240-235088-B-2	Plastic 500ml - unpreserved				
MW-17-05	240 235088-C-2	Plastic 500ml - with Nitric Acid	<2			
MW 17-05	240-235088-D-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-A-3	Plastic 60 mL - unpreserved				
MW-17-08	240-235088 B-3	Plastic 500ml unpreserved				
MW-17-08	240-235088-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-17-08	240-235088 D-3	Plastic 1 liter Nitric Acid	<2			
MW 17-08	240-235088-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088 A-4	Plastic 60 mL unpreserved				
MW 17 12	240-235088-B-4	Plastic 500ml - unpreserved				
MW-17-12	240 235088-C-4	Plastic 500ml - with Nitric Acid	<2			
MW 17 12	240-235088-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240 235088 E-4	Plastic 1 liter - Nitric Acid	<2			
MW 17 13	240-235088-A-5	Plastic 60 mL unpreserved				
MW-17-13	240-235088-B-5	Plastic 500ml - unpreserved				
MW 17 13	240-235088-C-5	Plastic 500ml with Nitric Acid	<2			
MW-17-13	240-235088 D-5	Plastic 1 liter - Nitric Acid	<2			
MW 17 13	240-235088-E-5	Plastic 1 liter Nitric Acid	<2			
MW 17-14	240-235088-A-6	Plastic 60 mL - unpreserved				
MW-17 14	240-235088 B-6	Plastic 500ml unpreserved				
MW 17 14	240-235088-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-14	240-235088 D-6	Plastic 1 liter Nitric Acid	<2			
MW 17-14	240-235088 E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088 A-7	Plastic 60 mL unpreserved				
MW-17-15	240-235088 B-7	Plastic 500ml - unpreserved				
MW 17 15	240-235088-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-15	240 235088-D-7	Plastic 1 liter Nitric Acid	<2			
MW-17 15	240 235088-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17 18	240-235088-A-8	Plastic 60 mL unpreserved				
MW-17-18	240-235088-B-8	Plastic 500ml unpreserved				
MW 17 18	240 235088-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-18	240-235088-D-8	Plastic 1 liter Nitric Acid	<2			
MW-17-18	240-235088-E-8	Plastic 1 liter - Nitric Acid	<2			
MW-17 19	240-235088-A-9	Plastic 60 mL - unpreserved				
MW-17 19	240 235088-B-9	Plastic 500ml - unpreserved				
MW-17-19	240-235088-C-9	Plastic 500ml with Nitric Acid	<2			
MW 17 19	240-235088 D-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-E-9	Plastic 1 liter Nitric Acid	<2			
MW 17-20	240-235088-A 10	Plastic 60 mL - unpreserved				
MW-17-20	240-235088-B-10	Plastic 500ml - unpreserved				
MW-17-20	240-235088-C-10	Plastic 500ml - with Nitric Acid	<2			
MW-17-20	240-235088-D-10	Plastic 1 liter Nitric Acid	<2			
MW 17 20	240-235088-E-10	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-A-11	Plastic 60 mL - unpreserved				
DUP-02	240-235088-B-11	Plastic 500ml - unpreserved				
DUP-02	240-235088-C-11	Plastic 500ml - with Nitric Acid	<2			
DUP-02	240-235088-D-11	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-E-11	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brooks, Kris M	Carrier Tracking No(s): N/A	COC No: 240-209282.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 240-235088-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/27/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: TRC CCR DTE River Rouge Power Plant	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21Standard Target List	9320_Ra228/PrecSep_0Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-16-04S (240-235088-1)	10/8/25	15:24 Eastern	G	Water			X	X	2	
MW-17-05 (240-235088-2)	10/8/25	14:23 Eastern	G	Water			X	X	2	
MW-17-14 (240-235088-6)	10/8/25	11:57 Eastern	G	Water			X	X	2	
MW-17-15 (240-235088-7)	10/8/25	11:37 Eastern	G	Water			X	X	2	
MW-17-18 (240-235088-8)	10/8/25	13:27 Eastern	G	Water			X	X	2	
MW-17-20 (240-235088-10)	10/8/25	12:54 Eastern	G	Water			X	X	2	
DUP-02 (240-235088-11)	10/8/25	Eastern	G	Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/13/25 1415		M. Pinette	OCT 14 2025 0845	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 240-235088-2

Login Number: 235088
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/14/25 12:04 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 11/12/2025 2:07:52 AM

JOB DESCRIPTION

CCR DTE RRPP-Nature & Extent MW

JOB NUMBER

240-235088-5

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
11/12/2025 2:07:52 AM

Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-235088-5 Eurofins Cleveland

Job Narrative
240-235088-5

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/11/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 2.6°C and 2.7°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-235088-4	MW-17-12	Water	10/08/25 09:48	10/11/25 08:00	Michigan
240-235088-5	MW-17-13	Water	10/08/25 10:15	10/11/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-12
Lab Sample ID: 240-235088-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lithium	12		8.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-17-13
Lab Sample ID: 240-235088-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lithium	14		8.0		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-12
Lab Sample ID: 240-235088-4
Date Collected: 10/08/25 09:48
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lithium	12		8.0		ug/L		11/09/25 10:00	11/10/25 12:51	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-13
Lab Sample ID: 240-235088-5
Date Collected: 10/08/25 10:15
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lithium	14		8.0		ug/L		11/09/25 10:00	11/10/25 12:59	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-679812/1-A
Matrix: Water
Analysis Batch: 680060

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 679812

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lithium	8.0	U	8.0		ug/L		11/09/25 10:00	11/10/25 12:33	1

Lab Sample ID: LCS 240-679812/2-A
Matrix: Water
Analysis Batch: 680060

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 679812

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium			500	527		ug/L		105	80 - 120		

QC Association Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Metals

Prep Batch: 679812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-4	MW-17-12	Total Recoverable	Water	3005A	
240-235088-5	MW-17-13	Total Recoverable	Water	3005A	
MB 240-679812/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-679812/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 680060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-4	MW-17-12	Total Recoverable	Water	6020B	679812
240-235088-5	MW-17-13	Total Recoverable	Water	6020B	679812
MB 240-679812/1-A	Method Blank	Total Recoverable	Water	6020B	679812
LCS 240-679812/2-A	Lab Control Sample	Total Recoverable	Water	6020B	679812

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-12 — Lab Sample ID: 240-235088-4

Date Collected: 10/08/25 09:48 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			679812	KLC	EET CLE	11/09/25 10:00
Total Recoverable	Analysis	6020B		1	680060	AJC	EET CLE	11/10/25 12:51

Client Sample ID: MW-17-13 — Lab Sample ID: 240-235088-5

Date Collected: 10/08/25 10:15 — **Matrix: Water**
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			679812	KLC	EET CLE	11/09/25 10:00
Total Recoverable	Analysis	6020B		1	680060	AJC	EET CLE	11/10/25 12:59

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: TRC Environmental Corporation. Job ID: 240-235088-5
Project/Site: CCR DTE RRPP-Nature & Extent MW

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	2250	09-30-26
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	02-27-26
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-26
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-26

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

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Client Information	Sampler: A. Hast, A. Yassin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			Other:
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	3	2
MW-17-05		1423		Water	N	N	X	X		
MW-17-08		1038		Water	N	N	X	X		~~Hold Samples~~ HOLD
MW-17-12		0948		Water	N	N	X	X		~~MW-1~~ HOLD
MW-17-13		1015		Water	N	N	X	X		HOLD
MW-17-14		1157		Water	N	N	X	X		
MW-17-15		1137		Water	N	N	X	X		
MW-17-18		1327		Water	N	N	X	X		
MW-17-19		1405		Water	N	N	X	X		HOLD
MW-17-20		1259		Water	N	N	X	X		
DUP-02		—		Water	N	N	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ahan Hast	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
2		10-10-25 0926	TRC		10/10/25 0926	ETA
3		10/10/25 0927	ETA	JAYDEN COLLINS	10/11/25 800	ETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client TRC Site Name _____ Cooler unpacked by: JC

Cooler Received on 10-11-25 Opened on 10-11-25

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # PC Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N) (Y)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: JC

Labels Verified by: KM

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s):_____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	0.8	1.5	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	2.0	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	1.9	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-04S	240-235088-A-1	Plastic 60 mL - unpreserved				
MW-16-04S	240-235088-B-1	Plastic 500ml - unpreserved				
MW-16-04S	240-235088-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-04S	240-235088-D-1	Plastic 1 liter - Nitric Acid	<2			
MW-16-04S	240-235088-E-1	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-A-2	Plastic 60 mL - unpreserved				
MW-17-05	240-235088-B-2	Plastic 500ml - unpreserved				
MW-17-05	240-235088-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-17-05	240-235088-D-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-A-3	Plastic 60 mL - unpreserved				
MW-17-08	240-235088-B-3	Plastic 500ml - unpreserved				
MW-17-08	240-235088-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-17-08	240-235088-D-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088-A-4	Plastic 60 mL - unpreserved				
MW-17-12	240-235088-B-4	Plastic 500ml - unpreserved				
MW-17-12	240-235088-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-17-12	240-235088-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088-E-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-13	240-235088-A-5	Plastic 60 mL - unpreserved				
MW-17-13	240-235088-B-5	Plastic 500ml - unpreserved				
MW-17-13	240-235088-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-17-13	240-235088-D-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-13	240-235088-E-5	Plastic 1 liter - Nitric Acid	<2			
MW-17-14	240-235088-A-6	Plastic 60 mL - unpreserved				
MW-17-14	240-235088-B-6	Plastic 500ml - unpreserved				
MW-17-14	240-235088-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-14	240-235088-D-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-14	240-235088-E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088-A-7	Plastic 60 mL - unpreserved				
MW-17-15	240-235088-B-7	Plastic 500ml - unpreserved				
MW-17-15	240-235088-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-15	240-235088-D-7	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17-18	240-235088-A-8	Plastic 60 mL - unpreserved				
MW-17-18	240-235088-B-8	Plastic 500ml - unpreserved				
MW-17-18	240-235088-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-18	240-235088-D-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-18	240-235088-E-8	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-A-9	Plastic 60 mL - unpreserved				
MW-17-19	240-235088-B-9	Plastic 500ml - unpreserved				
MW-17-19	240-235088-C-9	Plastic 500ml - with Nitric Acid	<2			
MW-17-19	240-235088-D-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-E-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-20	240-235088-A-10	Plastic 60 mL - unpreserved				
MW-17-20	240-235088-B-10	Plastic 500ml - unpreserved				
MW-17-20	240-235088-C-10	Plastic 500ml - with Nitric Acid	<2			
MW-17-20	240-235088-D-10	Plastic 1 liter - Nitric Acid	<2			
MW-17-20	240-235088-E-10	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-A-11	Plastic 60 mL - unpreserved				
DUP-02	240-235088-B-11	Plastic 500ml - unpreserved				
DUP-02	240-235088-C-11	Plastic 500ml - with Nitric Acid	<2			
DUP-02	240-235088-D-11	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-E-11	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast, Ali Yaasiin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.1
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			Other:
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010B Bo, 6020 Ca,As,Ba,Co,Li,Mo	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	X	5	3 Hold Samples! MW-17-08, MW-17-12, MW-17-13, and MW-17-19 Except TDS, Run TDS but do not Report
MW-17-05	10/8/25	1423		Water	N	N	X	X	X		
MW-17-08	10/8/25	1038		Water	N	N	X	X	X		
MW-17-12	10/8/25	0948		Water	N	N	X	X	X		
MW-17-13	10/8/25	1015		Water	N	N	X	X	X		
MW-17-14	10/8/25	1157		Water	N	N	X	X	X		
MW-17-15	10/8/25	1137		Water	N	N	X	X	X		
MW-17-18	10/8/25	1327		Water	N	N	X	X	X		
MW-17-19	10/8/25	1405		Water	N	N	X	X	X		
MW-17-20	10/8/25	1259		Water	N	N	X	X	X		
DUP-02	10/8/25	—		Water	N	N	X	X	X		

240-235088 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Allyn Kast	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
2		10-10-25 0926	TRC		10/10/25 0926	EETA
3		10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-9777

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. West, A. Yassin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trocompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N D	N D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	2	
MW-17-05		1423		Water	N	N	X	X		
MW-17-08		1038		Water	N	N	X	X		~~Hold Samples~~ HOLD
MW-17-12		0948		Water	N	N	X	X		~~MW-1~~ HOLD
MW-17-13		1015		Water	N	N	X	X		HOLD
MW-17-14		1157		Water	N	N	X	X		
MW-17-15		1137		Water	N	N	X	X		
MW-17-18		1327		Water	N	N	X	X		
MW-17-19		1405		Water	N	N	X	X		HOLD
MW-17-20		1259		Water	N	N	X	X		
DUP-02		—		Water	N	N	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ashton West	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
Relinquished by:	Date/Time: 10-10-25 0926	Company TRC	Received by:	Date/Time: 10/10/25 0926	Company EETA
Relinquished by:	Date/Time: 10/10/25 0927	Company EETA	Received by: JAYDEN COLLINS	Date/Time: 10/11/25 800	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kost, A. Yazsiin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 2 of 2
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020 Cu,Fe,Ni,Ag,Y,Zn	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	1	
MW-17-05		1423		Water	N	N	X		
MW-17-08		1038		Water	N	N	X		HOLD
MW-17-12		0948		Water	N	N	X		HOLD
MW-17-13		1015		Water	N	N	X		HOLD
MW-17-14		1157		Water	N	N	X		
MW-17-15		1137		Water	N	N	X		
MW-17-18		1327		Water	N	N	X		
MW-17-19		1405		Water	N	N	X		HOLD
MW-17-20		1259		Water	N	N	X		
DUP-02		—		Water	N	N	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/8/25 1748	TRC	TRC Fridge	10/8/25 1748	TRC
[signature]	10-10-25 0926	TRC	[signature]	10/10/25 0926	EETA
[signature]	10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # ·_____
Barberton Facility

Client TRC Site Name_____ Cooler unpacked by· JC

Cooler Received on 10-11-25 Opened on 10-11-25

FedEx 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

Receipt After-hours Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # EC Foam Box Client Cooler Box Other_____

Packing material used - (Bubble Wrap) Foam Plastic Bag None Other_____

COOLANT· (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp._____°C Corrected Cooler Temp _____°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	**Tests that are not checked for pH by Receiving·**
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	(Yes) No	**VOAs**
-Were tamper/custody seals intact and uncompromised?	(Yes) No NA	**Oil and Grease**
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	**TOC**
4 Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Yes) No	
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12 Are these work share samples and all listed on the COC?	(Yes) No	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA	pH Strip Lot# HC567196
14 Were VOAs on the COC?	(Yes) No	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	(Yes) No NA	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	(Yes) No	
17 Was a LL Hg or Me Hg trip blank present? _____	(Yes) No	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by·

Labels Verified by·

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	0.8	1.5	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	2.0	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	1.9	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

10/11/2025

Login Container Summary Report

240-235088

11/12/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW 16-04S	240-235088-A-1	Plastic 60 mL - unpreserved				
MW-16-04S	240 235088-B-1	Plastic 500ml - unpreserved				
MW-16-04S	240-235088-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-04S	240-235088 D-1	Plastic 1 liter - Nitric Acid	<2			
MW 16-04S	240-235088-E-1	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088 A-2	Plastic 60 mL unpreserved				
MW 17-05	240-235088-B-2	Plastic 500ml - unpreserved				
MW-17-05	240 235088-C-2	Plastic 500ml - with Nitric Acid	<2			
MW 17-05	240-235088-D-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-A-3	Plastic 60 mL - unpreserved				
MW-17-08	240-235088 B-3	Plastic 500ml unpreserved				
MW-17-08	240-235088-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-17-08	240-235088 D-3	Plastic 1 liter Nitric Acid	<2			
MW 17-08	240-235088-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088 A-4	Plastic 60 mL unpreserved				
MW 17 12	240-235088-B-4	Plastic 500ml - unpreserved				
MW-17-12	240 235088-C-4	Plastic 500ml - with Nitric Acid	<2			
MW 17 12	240-235088-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240 235088 E-4	Plastic 1 liter - Nitric Acid	<2			
MW 17 13	240-235088-A-5	Plastic 60 mL unpreserved				
MW-17-13	240-235088-B-5	Plastic 500ml - unpreserved				
MW 17 13	240-235088-C-5	Plastic 500ml with Nitric Acid	<2			
MW-17-13	240-235088 D-5	Plastic 1 liter - Nitric Acid	<2			
MW 17 13	240-235088-E-5	Plastic 1 liter Nitric Acid	<2			
MW 17-14	240-235088-A-6	Plastic 60 mL - unpreserved				
MW-17 14	240-235088 B-6	Plastic 500ml unpreserved				
MW 17 14	240-235088-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-14	240-235088 D-6	Plastic 1 liter Nitric Acid	<2			
MW 17-14	240-235088 E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088 A-7	Plastic 60 mL unpreserved				
MW-17-15	240-235088 B-7	Plastic 500ml - unpreserved				
MW 17 15	240-235088-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-15	240 235088-D-7	Plastic 1 liter Nitric Acid	<2			
MW-17 15	240 235088-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17 18	240-235088-A-8	Plastic 60 mL unpreserved				
MW-17-18	240-235088-B-8	Plastic 500ml unpreserved				
MW 17 18	240 235088-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-18	240-235088-D-8	Plastic 1 liter Nitric Acid	<2			
MW-17-18	240-235088-E-8	Plastic 1 liter - Nitric Acid	<2			
MW-17 19	240-235088-A-9	Plastic 60 mL - unpreserved				
MW-17 19	240 235088-B-9	Plastic 500ml - unpreserved				
MW-17-19	240-235088-C-9	Plastic 500ml with Nitric Acid	<2			
MW 17 19	240-235088 D-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-E-9	Plastic 1 liter Nitric Acid	<2			
MW 17-20	240-235088-A 10	Plastic 60 mL - unpreserved				
MW-17-20	240-235088-B-10	Plastic 500ml - unpreserved				
MW-17-20	240-235088-C-10	Plastic 500ml - with Nitric Acid	<2			
MW-17-20	240-235088-D-10	Plastic 1 liter Nitric Acid	<2			
MW 17 20	240-235088-E-10	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-A-11	Plastic 60 mL - unpreserved				
DUP-02	240-235088-B-11	Plastic 500ml - unpreserved				
DUP-02	240-235088-C-11	Plastic 500ml - with Nitric Acid	<2			
DUP-02	240-235088-D-11	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-E-11	Plastic 1 liter - Nitric Acid	<2			

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Vincent Buening
TRC Environmental Corporation.
1540 Eisenhower Place
Ann Arbor, Michigan 48108-7080

Generated 1/9/2026 8:07:53 AM

JOB DESCRIPTION

CCR DTE RRPP-Nature & Extent MW

JOB NUMBER

240-235088-6

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
(330)966-9790

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-235088-6 Eurofins Cleveland

Job Narrative
240-235088-6

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/11/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 2.6°C and 2.7°C.

Gas Flow Proportional Counter
Method 9315_Ra226: Radium 226 Batch 752042

The laboratory control sample (LCS) recovery is outside the upper QC limit indicating a potential positive bias for that analyte. This analyte was not observed above the RL in the associated samples; therefore the sample data is not adversely affected by this excursion. The data have been reported with this narrative. (LCS 160-752042/2-A)

Method 9315_Ra226: Radium 226 Batch 752042

160-752042
Based upon client request, Ra-226 is reported without the standard 21-day waiting period which ensures short-lived alpha-emitting radium isotopes (e.g. Ra-224) have decayed out. The Ra-226 result should be considered to be potentially high biased. Associated samples have activity below the RL MW-17-08 (240-235088-3), MW-17-13 (240-235088-5), (LCS 160-752042/2-A), (MB 160-752042/1-A), (500-279082-D-15-D) and (500-279082-C-15-F DU)

Method 9320_Ra228: Radium-228 batch 751691
The detection goal was not met for the following sample due to the reduced sample volume used for prep attributed to the presence of matrix interferences: MW-17-13 (240-235088-5). Analytical results are reported with the detection limit achieved.

Method 9320_Ra228: Radium-228 batch 751691
The LCS recovered at (131%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68% - 154%) per method requirements. The LCS passes, no further action is required (LCS 160-751691/2-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-235088-3	MW-17-08	Water	10/08/25 10:38	10/11/25 08:00	Michigan
240-235088-5	MW-17-13	Water	10/08/25 10:15	10/11/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-08
Lab Sample ID: 240-235088-3

No Detections.

Client Sample ID: MW-17-13
Lab Sample ID: 240-235088-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-08 — Lab Sample ID: 240-235088-3

Date Collected: 10/08/25 10:38 — **Matrix: Water**
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.376	*	0.240	0.242	1.00	0.322	pCi/L	01/02/26 08:37	01/05/26 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.8*		*30 - 110*	*01/02/26 08:37*	*01/05/26 21:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.22		0.548	0.559	1.00	0.740	pCi/L	12/30/25 08:15	01/05/26 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.8*		*30 - 110*	*12/30/25 08:15*	*01/05/26 12:03*	*1*
Y Carrier	*78.9*		*30 - 110*	*12/30/25 08:15*	*01/05/26 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.59		0.598	0.609	5.00	0.740	pCi/L		01/07/26 17:20	1

Client: TRC Environmental Corporation.
Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-13
Lab Sample ID: 240-235088-5
Date Collected: 10/08/25 10:15
Matrix: Water
Date Received: 10/11/25 08:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.795	*	0.370	0.377	1.00	0.429	pCi/L	01/02/26 08:37	01/05/26 21:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*01/02/26 08:37*	*01/05/26 21:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.52	G	0.760	0.773	1.00	1.08	pCi/L	12/30/25 08:15	01/05/26 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*12/30/25 08:15*	*01/05/26 12:03*	*1*
Y Carrier	*77.4*		*30 - 110*	*12/30/25 08:15*	*01/05/26 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.32		0.845	0.860	5.00	1.08	pCi/L		01/07/26 17:20	1

Tracer/Carrier Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
240-235088-3	MW-17-08	78.8
240-235088-5	MW-17-13	81.0
LCS 160-752042/2-A	Lab Control Sample	80.2
MB 160-752042/1-A	Method Blank	84.9

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-235088-3	MW-17-08	78.8	78.9
240-235088-5	MW-17-13	81.0	77.4
LCS 160-751691/2-A	Lab Control Sample	80.2	82.6
MB 160-751691/1-A	Method Blank	84.9	81.1

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-752042/1-A
Matrix: Water
Analysis Batch: 752497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752042

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04923	U	0.173	0.173	1.00	0.327	pCi/L	01/02/26 08:37	01/05/26 21:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*01/02/26 08:37*	*01/05/26 21:06*	*1*

Lab Sample ID: LCS 160-752042/2-A
Matrix: Water
Analysis Batch: 752803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752042

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	13.44	*	1.52	1.00	0.271	pCi/L	140	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*80.2*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-751691/1-A
Matrix: Water
Analysis Batch: 752498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 751691

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2898	U	0.421	0.422	1.00	0.709	pCi/L	12/30/25 08:15	01/05/26 12:00	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*12/30/25 08:15*	*01/05/26 12:00*	*1*
Y Carrier	*81.1*		*30 - 110*	*12/30/25 08:15*	*01/05/26 12:00*	*1*

Lab Sample ID: LCS 160-751691/2-A
Matrix: Water
Analysis Batch: 752498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 751691

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.80	10.21		1.48	1.00	0.749	pCi/L	131	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*80.2*		*30 - 110*
Y Carrier	*82.6*		*30 - 110*

QC Association Summary

Client: TRC Environmental Corporation.
Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Rad

Prep Batch: 751691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-3	MW-17-08	Total/NA	Water	PrecSep_0	
240-235088-5	MW-17-13	Total/NA	Water	PrecSep_0	
MB 160-751691/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-751691/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 752042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235088-3	MW-17-08	Total/NA	Water	PrecSep_0	
240-235088-5	MW-17-13	Total/NA	Water	PrecSep_0	
MB 160-752042/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-752042/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Client Sample ID: MW-17-08
Lab Sample ID: 240-235088-3
Date Collected: 10/08/25 10:38
Matrix: Water
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep_0			752042	BMW	EET SL	01/02/26 08:37
Total/NA	Analysis	9315		1	752497	SWS	EET SL	01/05/26 21:08
Total/NA	Prep	PrecSep_0			751691	VLQ	EET SL	12/30/25 08:15
Total/NA	Analysis	9320		1	752498	SWS	EET SL	01/05/26 12:03
Total/NA	Analysis	Ra226_Ra228		1	752849	SCB	EET SL	01/07/26 17:20

Client Sample ID: MW-17-13
Lab Sample ID: 240-235088-5
Date Collected: 10/08/25 10:15
Matrix: Water
Date Received: 10/11/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep_0			752042	BMW	EET SL	01/02/26 08:37
Total/NA	Analysis	9315		1	752497	SWS	EET SL	01/05/26 21:09
Total/NA	Prep	PrecSep_0			751691	VLQ	EET SL	12/30/25 08:15
Total/NA	Analysis	9320		1	752498	SWS	EET SL	01/05/26 12:03
Total/NA	Analysis	Ra226_Ra228		1	752849	SCB	EET SL	01/07/26 17:20

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: TRC Environmental Corporation. Job ID: 240-235088-6
Project/Site: CCR DTE RRPP-Nature & Extent MW

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	01-07-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-25 *
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-25 *
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

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

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Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

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Client Information	Sampler: A. Kast, Ali Yaasiin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.1
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			Other:
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010B Bo, 6020 Ca,As,Ba,Co,Li,Mo	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	X	5	3 Hold Samples! MW-17-08, MW-17-12, MW-17-13, and MW-17-19 Except TDS, Run TDS but do not Report
MW-17-05	10/8/25	1423		Water	N	N	X	X	X		
MW-17-08	10/8/25	1038		Water	N	N	X	X	X		
MW-17-12	10/8/25	0948		Water	N	N	X	X	X		
MW-17-13	10/8/25	1015		Water	N	N	X	X	X		
MW-17-14	10/8/25	1157		Water	N	N	X	X	X		
MW-17-15	10/8/25	1137		Water	N	N	X	X	X		
MW-17-18	10/8/25	1327		Water	N	N	X	X	X		
MW-17-19	10/8/25	1405		Water	N	N	X	X	X		
MW-17-20	10/8/25	1259		Water	N	N	X	X	X		
DUP-02	10/8/25	—		Water	N	N	X	X	X		

240-235088 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Allyson Kast	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
2		10-10-25 0926	TRC		10/10/25 0926	EETA
3		10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	Ellis

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-[illegible]

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. West, A. Yassin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trocompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Natrue & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N N D	D D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	2	
MW-17-05		1423		Water	N	N	X	X		
MW-17-08		1038		Water	N	N	X	X		~~Hold Samples~~ HOLD
MW-17-12		0948		Water	N	N	X	X		~~MW-1~~ HOLD
MW-17-13		1015		Water	N	N	X	X		HOLD
MW-17-14		1157		Water	N	N	X	X		
MW-17-15		1137		Water	N	N	X	X		
MW-17-18		1327		Water	N	N	X	X		
MW-17-19		1405		Water	N	N	X	X		HOLD
MW-17-20		1259		Water	N	N	X	X		
DUP-02		—		Water	N	N	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Asher West	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
[signature]	10-10-25 0926	TRC	[signature]	10/10/25 0926	EETA
[signature]	10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast, A. Yazsiin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 2 of 2
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Nature & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020 Cu,Fe,Ni,Ag,Y,Zn	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	1	
MW-17-05		1423		Water	N	N	X		
MW-17-08		1038		Water	N	N	X		HOLD
MW-17-12		0948		Water	N	N	X		HOLD
MW-17-13		1015		Water	N	N	X		HOLD
MW-17-14		1157		Water	N	N	X		
MW-17-15		1137		Water	N	N	X		
MW-17-18		1327		Water	N	N	X		
MW-17-19		1405		Water	N	N	X		HOLD
MW-17-20		1259		Water	N	N	X		
DUP-02		—		Water	N	N	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/8/25 1748	TRC	TRC Fridge	10/8/25 1748	TRC
[signature]	10-10-25 0926	TRC	[signature]	10/10/25 0926	EETA
[signature]	10/10/25 0927	EETA	JAYDEN COLLINS	10/11/25 800	EETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # ·_____
Barberton Facility

Client TRC Site Name_____ Cooler unpacked by· JC

Cooler Received on 10-11-25 Opened on 10-11-25

FedEx 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

Receipt After-hours Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # EC Foam Box Client Cooler Box Other_____

Packing material used - (Bubble Wrap) Foam Plastic Bag None Other_____

COOLANT· (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp._____°C Corrected Cooler Temp _____°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	**Tests that are not checked for pH by Receiving·**
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	(Yes) No	**VOAs**
-Were tamper/custody seals intact and uncompromised?	(Yes) No NA	**Oil and Grease**
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	**TOC**
4 Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Yes) No	
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12 Are these work share samples and all listed on the COC?	(Yes) No	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA	pH Strip Lot# HC567196
14 Were VOAs on the COC?	(Yes) No	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	(Yes) No NA	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	(Yes) No	
17 Was a LL Hg or Me Hg trip blank present? _____	(Yes) No	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by·

Labels Verified by·

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # ________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	0.8	1.5	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	2.0	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	1.9	2.6	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

10/11/2025

Login Container Summary Report

240-235088

1/9/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW 16-04S	240-235088-A-1	Plastic 60 mL - unpreserved				
MW-16-04S	240 235088-B-1	Plastic 500ml - unpreserved				
MW-16-04S	240-235088-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-04S	240-235088 D-1	Plastic 1 liter - Nitric Acid	<2			
MW 16-04S	240-235088-E-1	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088 A-2	Plastic 60 mL unpreserved				
MW 17-05	240-235088-B-2	Plastic 500ml - unpreserved				
MW-17-05	240 235088-C-2	Plastic 500ml - with Nitric Acid	<2			
MW 17-05	240-235088-D-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-05	240-235088-E-2	Plastic 1 liter - Nitric Acid	<2			
MW-17-08	240-235088-A-3	Plastic 60 mL - unpreserved				
MW-17-08	240-235088 B-3	Plastic 500ml unpreserved				
MW-17-08	240-235088-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-17-08	240-235088 D-3	Plastic 1 liter Nitric Acid	<2			
MW 17-08	240-235088-E-3	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240-235088 A-4	Plastic 60 mL unpreserved				
MW 17 12	240-235088-B-4	Plastic 500ml - unpreserved				
MW-17-12	240 235088-C-4	Plastic 500ml - with Nitric Acid	<2			
MW 17 12	240-235088-D-4	Plastic 1 liter - Nitric Acid	<2			
MW-17-12	240 235088 E-4	Plastic 1 liter - Nitric Acid	<2			
MW 17 13	240-235088-A-5	Plastic 60 mL unpreserved				
MW-17-13	240-235088-B-5	Plastic 500ml - unpreserved				
MW 17 13	240-235088-C-5	Plastic 500ml with Nitric Acid	<2			
MW-17-13	240-235088 D-5	Plastic 1 liter - Nitric Acid	<2			
MW 17 13	240-235088-E-5	Plastic 1 liter Nitric Acid	<2			
MW 17-14	240-235088-A-6	Plastic 60 mL - unpreserved				
MW-17 14	240-235088 B-6	Plastic 500ml unpreserved				
MW 17 14	240-235088-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-17-14	240-235088 D-6	Plastic 1 liter Nitric Acid	<2			
MW 17-14	240-235088 E-6	Plastic 1 liter - Nitric Acid	<2			
MW-17-15	240-235088 A-7	Plastic 60 mL unpreserved				
MW-17-15	240-235088 B-7	Plastic 500ml - unpreserved				
MW 17 15	240-235088-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-17-15	240 235088-D-7	Plastic 1 liter Nitric Acid	<2			
MW-17 15	240 235088-E-7	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-17 18	240-235088-A-8	Plastic 60 mL unpreserved				
MW-17-18	240-235088-B-8	Plastic 500ml unpreserved				
MW 17 18	240 235088-C-8	Plastic 500ml - with Nitric Acid	<2			
MW-17-18	240-235088-D-8	Plastic 1 liter Nitric Acid	<2			
MW-17-18	240-235088-E-8	Plastic 1 liter - Nitric Acid	<2			
MW-17 19	240-235088-A-9	Plastic 60 mL - unpreserved				
MW-17 19	240 235088-B-9	Plastic 500ml - unpreserved				
MW-17-19	240-235088-C-9	Plastic 500ml with Nitric Acid	<2			
MW 17 19	240-235088 D-9	Plastic 1 liter - Nitric Acid	<2			
MW-17-19	240-235088-E-9	Plastic 1 liter Nitric Acid	<2			
MW 17-20	240-235088-A 10	Plastic 60 mL - unpreserved				
MW-17-20	240-235088-B-10	Plastic 500ml - unpreserved				
MW-17-20	240-235088-C-10	Plastic 500ml - with Nitric Acid	<2			
MW-17-20	240-235088-D-10	Plastic 1 liter Nitric Acid	<2			
MW 17 20	240-235088-E-10	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-A-11	Plastic 60 mL - unpreserved				
DUP-02	240-235088-B-11	Plastic 500ml - unpreserved				
DUP-02	240-235088-C-11	Plastic 500ml - with Nitric Acid	<2			
DUP-02	240-235088-D-11	Plastic 1 liter - Nitric Acid	<2			
DUP-02	240-235088-E-11	Plastic 1 liter - Nitric Acid	<2			

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 240-235088-6

Login Number: 235088
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/14/25 12:04 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 240-235088-6

Login Number: 235088
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 01/02/26 08:37 AM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Appendix B
Field Notes

TRC

PROJECT NAME:	DTE CCR RRPP 1SA25
PROJECT NUMBER:	620071.0000
PROJECT MANAGER:	V Buening
SITE LOCATION:	1 Belanger Park Drive Detroit, MI 48218
DATES OF FIELDWORK:	4/16/2025 TO 4/17/2025
PURPOSE OF FIELDWORK:	CCR GW 1SA2025
WORK PERFORMED BY:	J. Jasso Elliot Wielgopolski

G Williams 4/29/25
SIGNED DATE

CHECKED BY 5-1-25
DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE CCR RRPP 1SA25	DATE: 4/28/25	TIME ARRIVED: 0810
PROJECT NUMBER: 620071.0000	AUTHOR: JJ GW	TIME LEFT: 1500

WEATHER		
TEMPERATURE: 73 °F	WIND: 6 MPH	VISIBILITY: Clear

WORK / SAMPLING PERFORMED

Daily tailgate meeting

Sampled: MW-16-01, MW-16-02, MW-16-03, MW-17-17, MW-17-16, MW-17-06

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Andrew Whaley	TRC	Daily checkin, updates
Sarah Nevedal	DTE	Site contact, checkin/out

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purge to ground

SIGNED [signature] DATE 4/29/25

CHECKED BY [signature] DATE 5-1-25

TRC

GENERAL NOTES

PROJECT NAME:	DTE CCR RRPP 1SA25	DATE: 4-28-25	TIME ARRIVED: 0810
PROJECT NUMBER:	620071.0000	AUTHOR: ~~JJ~~ SK	TIME LEFT: 1530

WEATHER

TEMPERATURE: 73 °F WIND: 0-5 MPH VISIBILITY: Sunny

WORK / SAMPLING PERFORMED

Collected sitewide water levels, collected sample from MW-17-07.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Andrew Whaley	TRC	Daily checkin, updates
~~Sarah Nevedal~~ Greg Bryant	DTE	Site contact, checkin/out

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purge to ground

SIGNED 4-30-25 DATE

CHECKED BY ~~5-1-25~~ E Wyffels 5/1/25 DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE CCR RRPP 1SA25	SAMPLER NAME:	~~J. Jasso~~ E Wielgopolski
PROJECT NO.:	620071.0000		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

HERON DIPPER-T	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

NA	
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

HERON DIPPER-T	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

PURGING METHOD

BLADDER PUMP (DEDICATED)	PROJECT DEDICATED
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)

SAMPLING METHOD

BLADDER PUMP (DEDICATED)	PROJECT DEDICATED
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
NA	NA
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DEDICATED POLY TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	STORE BOUGHT
POTABLE WATER SOURCE	DI WATER SOURCE
E Wielgopolski 4/29/25	5-1-25
SIGNED DATE	CHECKED BY DATE

REVISED 04/2019

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	MODEL: YSI ProDSS	SAMPLER: JJ
PROJECT NO.:	620071.0000	SERIAL #: PROJECT	DATE: 4/28/25

PH CALIBRATION CHECK

pH 7 (LOT #): 56A0404 (EXP. DATE): Jan/27 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 4610445 (EXP. DATE): Sep/26 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.03 / 7.03	4.00 / 4.00	☒ WITHIN RANGE	0842
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 56A0816 (EXP. DATE): Jan/26 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1213 / 1213	18.0°	☒ WITHIN RANGE	0835
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 236100046 (EXP. DATE): 2028-07-64 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
234.5 / 234.5	17.0°	☒ WITHIN RANGE	0846
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
10.30 / 10.30	13.6°	☒ WITHIN RANGE	0849
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 21080079 (EXP. DATE): 9/22 POST-CAL. READING / STANDARD	CALIBRATION READING (NTU) (LOT #): 21080079 (EXP. DATE): 9/22 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	9.71 / 10.0	☒ WITHIN RANGE	0853
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION
(LOT #):
(EXP. DATE):

☑ STANDARD SOLUTION (S)
LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

CALIBRATED PARAMETERS		CALIBRATION RANGES (1)	
☐	pH	pH:	+/- 0.2 S.U.
☐	COND	COND:	+/- 1% OF CAL. STANDARD
☐	ORP	ORP:	+/- 25 mV
☐	D.O.	D.O.:	VARIES
☐	TURB	TURB:	+/- 5% OF CAL. STANDARD
☐	_____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER	
☐	_____		

NOTES

PROBLEMS ENCOUNTERED / CORRECTIVE ACTIONS

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

4/29/25 SIGNED DATE

5-1-25 CHECKED BY DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	MODEL: YSI ProDSS	SAMPLER: ~~JJ~~ SK
PROJECT NO.:	620071.0000	SERIAL #: ~~PROJECT~~ Ann Arbor	DATE: 4-28-25

PH CALIBRATION CHECK

pH 7 (LOT #): 56A 0404 (EXP. DATE): Jun/27 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 461 0445 (EXP. DATE): Sep/26 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.01 / 7.01	4.00 / 4.00	☒ WITHIN RANGE	1334
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 56A 0816 (EXP. DATE): Jun/26 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1242 / 1242	18.3	☒ WITHIN RANGE	1330
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 2761000446 (EXP. DATE): 2028-07-04 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
236 / 236	17.5	☒ WITHIN RANGE	1337
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
~~10.15 / 10.15~~	~~17.1~~	☐ WITHIN RANGE	~~1340~~
9.07 / 9.07	19.2	☒ WITHIN RANGE	1342
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 21080074 (EXP. DATE): 9/22 POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
9.47 / 10.0	/	☒ WITHIN RANGE	1332
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION
(LOT #):
(EXP. DATE):

☑ STANDARD SOLUTION (S)
LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

CALIBRATED PARAMETERS		CALIBRATION RANGES (1)	
☐	pH	pH:	+/- 0.2 S.U.
☐	COND	COND:	+/- 1% OF CAL. STANDARD
☐	ORP	ORP:	+/- 25 mV
☐	D.O.	D.O.:	VARIES
☐	TURB	TURB:	+/- 5% OF CAL. STANDARD
☐	_____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER	
☐	_____		

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
Conductivity readings very inconsistent when calibrating	Reset Conductivity to factory calibration and that seemed to work

SIGNED [signature] 4-30-25 DATE

CHECKED BY [signature] 5/1/25 DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE CCR RRPP 1SA25	DATE:	4-28-25
PROJECT NUMBER:	620071.0000	AUTHOR:	J. Krenz

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-17-01	0945	TOC	2.59	20.78		
MW-17-02	1000	TOC	6.37	27.55		
MW-17-03	1004		5.80	28.01		
MW-17-03P	1005		5.49	11.49		
MW-17-04	1013		3.82	24.85		
MW-17-04P	1015		2.76	8.60		
MW-17-05	1030		6.38	28.35		
MW-17-06	1205		6.95	28.20		
MW-17-07	1235		6.23	24.26		
MW-17-07P	1236		5.85	11.86		
MW-17-08	1300		6.35	27.42		
MW-17-08P	1301		6.41	13.79		
MW-17-09	1219		6.94	27.76		
MW-17-10	1231		6.41	25.54		
MW-17-11P	1213		8.00	8.31		
MW-17-12	1152		5.52	24.36		
MW-17-12P	1153		3.07	6.58		
MW-17-13	1138		4.57	~~23.25~~ 23.25		
MW-17-13P	1139		4.00	8.55		
MW-17-14	1059		5.02	25.20		
MW-17-14P	1057		5.12	9.93		
MW-17-15	1054		5.46	23.94		
MW-17-15P	Could Not Locate					
MW-17-16	1115	TOC	5.70	21.67		

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR
(E.G., 1.1 + 0.00 T/PVC).

SIGNED 4-30-25 DATE

CHECKED 5/1/25 DATE

REVISED 04/2019

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE CCR RRPP 1SA25	DATE:	4-29-25
PROJECT NUMBER:	620071.0000	AUTHOR:	J.Krenz

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-17-16P	1113	TOC	~~5.35~~ 5.75 (2)	7.77		
MW-17-17	1125		5.22	21.90		
MW-17-17P	1126		4.82	7.17		
MW-17-18	1037		3.61	21.80		
MW-17-19	1024		3.02	27.54		
MW-17-19P	1022		2.60	7.17		
MW-17-20	1211		4.04	24.75		
MW-16-01	0920		8.85	DNM		
MW-16-01P	1110		6.08	10.15		
MW-16-02	1022		8.60	DNM		
MW-16-02P	1119		8.30	15.26		
MW-16-03	1129		8.78	DNM		
MW-16-03P	1130		7.74	11.26		
MW-16-04S	1047		7.35	DNM		
MW-16-04P	1048		3.50	6.65		
MP-01	1134	seawall	2.20	NA		
~~MP-02~~						
MP-03	1303	Bridge	4.57	NA		
~~MP-04~~						
PT-TW-01	1104	TOC	6.85	25.07		
PT-TW-02	1107		8.21	26.91		
PT-TW-03R	1106		7.98	26.45		
PT-TW-04R	1105		8.62	27.34		

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR
(E.G., 1.1 + 0.00 T/PVC).

SIGNED 4-30-25 DATE

CHECKED 5/1/25 DATE

REVISED 04/2019

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE CCR RRPP 1SA25	DATE:	4-28-25
PROJECT NUMBER:	620071.0000	AUTHOR:	J. Krenz

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
~~MW-23-01~~		~~TOC~~			~~NA~~	~~NA~~
MW-23-02	1157	TOC	4.21	22.30		
MW-23-03	1309	↓	8.36	27.26		
MW-23-04	1224		7.72	27.97		
MW-23-05	1226		8.33	25.98		
MW-23-01	1200		2.96	23.35		
MP-05	1228	Semwell	3.63	NA		

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR
(E.G., 1.1 + 0.00 T/PVC).

SIGNED 4-30-25 DATE

CHECKED 5/1/25 DATE

REVISED 04/2019

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: GW	DATE: 4/28/25	BY: SK	DATE: 5-1-25

SAMPLE ID: MW- 16-01 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: ~~0440~~ 0920	DATE: 4/28/25	SAMPLE	TIME: 0940	DATE: 4/28/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 8.85 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 8.0 ☑ LITERS ☐ GALLONS

COLOR: None ODOR: None

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 9.41 SU | CONDUCTIVITY: 1297 umhos/cm

ORP: -182.9 mV | DO: 0.17 mg/L

TURBIDITY: 2.78 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.2 °C | OTHER: -

COLOR: None | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☒ DUP- 01

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0920	400	9.68	1265	-153.2	0.65	3.08	11.8	8.85	INITIAL
0925	|	9.61	1268	-180.9	0.35	3.57	11.8	10.90	2.0
0930	|	9.53	1278	-183.6	0.25	3.48	12.0	10.90	4.0
0935	|	9.47	1286	-183.5	0.21	2.82	12.1	10.90	6.0
0940	|	9.41	1297	-182.9	0.17	2.78	12.2	10.90	8.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/30/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:	GW	DATE SIGNED:	05/1/25

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: SW JJ	DATE: 4/26/25	BY: JK	DATE: 5-1-25

SAMPLE ID: MW- 16-02 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1022	DATE: 4/28/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 8.60 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 18.0 ☑ LITERS ☐ GALLONS

COLOR: orange/cloudy ODOR: None

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1122	DATE: 4/28/25

PH: 7.02 SU | CONDUCTIVITY: 1208 umhos/cm

ORP: -51.6 mV | DO: 0.10 mg/L

TURBIDITY: 4.23 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.0 °C | OTHER:

COLOR: none | ODOR: none

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1022	300	6.92	1319	4.9	4.93	102.8	13.5	8.60	INITIAL
1027	300	6.97	1220	-29.9	0.57	41.0	12.8	8.80	1.5
1032		6.99	1212	-40.6	6.30	60.7	12.9	8.80	3.0
1037		7.00	1211	-46.0	0.22	33.7	13.0	8.80	4.5
1042		7.00	1210	-48.8	0.18	17.2	12.9	8.80	6.0
1047		7.01	1209	-50.1	0.15	12.6	12.9	8.80	7.5
1052		7.01	1208	-50.6	0.14	11.0	13.0	8.80	9.0
1057		7.01	1208	-50.9	0.13	8.69	13.0	8.80	10.5
1102		7.01	1207	-51.5	0.12	8.18	13.0	8.80	12.0
1107		7.01	1209	-51.2	0.11	6.91	13.0	8.80	13.5

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/30/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:	SW	DATE SIGNED:	5/1/25

TRC

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: SW JJ	DATE: 4/28/25	BY: JK	DATE: 5-1-25

SAMPLE ID: MW- 16-07Z

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1112	300	7.01	1207	-51.5	0.11	5.08	12.9	8.80	15.0
1117		7.02	1206	-51.5	0.10	4.89	13.0	8.80	16.5
1122		7.02	1208	-51.6	0.10	4.23	13.0	8.80	18.0

SIGNATURE: S Wiffen

DATE SIGNED: 4/29/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: SW	DATE: 4/28/25	BY: SK	DATE: 5-1-25

SAMPLE ID: MW- 16 - 03 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1142	DATE: 4/28/25	SAMPLE	TIME: 1157	DATE: 4/28/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 8.87 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 4.5 ☑ LITERS ☐ GALLONS

COLOR: None ODOR: ~~Yes~~ None

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.06 SU | CONDUCTIVITY: 965 umhos/cm

ORP: -89.5 mV | DO: 0.17 mg/L

TURBIDITY: 3.06 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.5 °C | OTHER:

COLOR: None | ODOR: Yes

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1142	300	6.99	834	-45.1	4.12	2.47	13.5	8.87	INITIAL
1147		7.03	865	-54.1	0.38	2.37	12.4	8.90	1.5
1152		7.05	930	-79.5	0.22	2.76	12.4	8.90	3.0
1157		7.06	965	-89.5	0.17	3.06	12.5	8.90	4.5

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or **</= 5** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/30/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: SW	DATE SIGNED: 5/1/25

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: SW	DATE: 4/28/25	BY: JK	DATE: 5-1-25

SAMPLE ID: MW- 17-17 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1229	DATE: 4/28/25	SAMPLE	TIME: 1244	DATE: 4/28/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 5.24 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 7.5 ☑ LITERS ☐ GALLONS

COLOR: None ODOR: None

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.99 SU CONDUCTIVITY: 813 umhos/cm

ORP: -91.8 mV DO: 0.08 mg/L

TURBIDITY: 2.05 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.4 °C OTHER: —

COLOR: None ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1229	500	6.90	882	10.3	2.42	7.99	12.9	5.24	INITIAL
1234	|	6.99	843	-80.8	0.20	2.73	12.3	6.81	2.5
1239	|	6.99	825	-92.1	0.13	2.02	12.4	6.81	5.0
1244	|	6.99	813	-91.8	0.08	2.05	12.4	6.81	7.5
	|								
	|								

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/30/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:	SW	DATE SIGNED:	5/1/25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: GW JJ	DATE: 4/28/25	BY: SK	DATE: 5-1-25

SAMPLE ID: MW- 17-16 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1314	DATE: 4/28/25	SAMPLE	TIME: 1349	DATE: 4/28/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 7.83 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 7.0 ☑ LITERS ☐ GALLONS

COLOR: None ODOR: Slight

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.22 SU | CONDUCTIVITY: 9.71 umhos/cm

ORP: -68.2 mV | DO: 0.86 mg/L

TURBIDITY: 3.74 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.6 °C | OTHER: —

COLOR: None | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1314	200	7.17	864	-37.5	5.67	8.89	15.3	7.33	INITIAL
1319		7.17	845	-46.0	2.05	10.89	13.9	7.44	1.0
1324		7.18	852	-49.3	1.84	7.99	14.0	7.51	2.0
1329		7.20	865	-54.5	1.52	6.82	14.0	7.60	3.0
1334		7.19	880	-54.3	1.41	5.89	14.4	7.43	4.0
1339		7.21	919	-62.3	1.10	4.91	14.4	7.43	5.0
1344		7.21	950	-65.4	0.99	4.55	14.7	7.30	6.0
1349		7.22	971	-68.2	0.86	3.74	14.6	7.30	7.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- NA D.O.: +/- NA TURB: +/- 10 % or </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/30/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:	GW	DATE SIGNED:	05/1/25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: SW	DATE: 4/28/25	BY: JK	DATE: 5-1-25

SAMPLE ID: MW- 17-06 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1424	DATE: 4/28/25	SAMPLE	TIME: 1509	DATE: 4/28/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 4.70 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 22.5 ☑ LITERS ☐ GALLONS

COLOR: orange ODOR: None

TURBIDITY: ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.51 SU | CONDUCTIVITY: 3574 umhos/cm

ORP: -28.6 mV | DO: 0.07 mg/L

TURBIDITY: 6.37 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.4 °C | OTHER: —

COLOR: None | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1424	500	6.34	4302	-55.1	1.80	43089	15.1	4.70	INITIAL
1429	|	6.49	3796	-28.0	0.30	32.7	14.2	7.10	2.5
1434	|	6.49	3695	-27.2	0.19	27.1	14.3	7.10	5.0
1439	|	6.50	3692	-28.5	0.15	16.2	14.4	7.10	7.5
1444		6.50	3629	-28.9	0.12	133	14.4	7.10	90.0
1449		6.51	3599	-29.2	0.10	10.95	14.3	7.10	12.5
1454		6.51	3605	-29.0	0.09	7.87	14.4	7.10	15.0
1459		6.51	3584	-29.0	0.08	6.88	14.4	7.10	17.5
1504		6.51	3573	-28.7	0.07	6.37	14.4	7.10	20.0
1509		6.51	3574	-28.6	0.07	6.37	14.4	7.10	22.5

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/30/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: SW	DATE SIGNED: 5/1/25

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE CCR RRPP 1SA25	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: SK	DATE: 4-28-25	BY: SW	DATE: 5/1/25

SAMPLE ID: MW-17-07 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1400	DATE: 4-28-25	SAMPLE	TIME: 1432	DATE: 4-28-25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 6.24 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 3 ☑ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.82 SU CONDUCTIVITY: 8288 umhos/cm

ORP: -22.4 mV DO: 0.71 mg/L

TURBIDITY: 2.03 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.1 °C OTHER:

COLOR: Clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1402	100	6.68	8316	51.4	2.36	25.0	13.7	6.70	INITIAL
1407	100	6.81	8291	8.5	1.03	15.5	13.6	7.04	.5
1412	100	6.83	8273	-4.8	0.91	10.49	13.6	7.09	1
1417	100	6.83	8274	-10.5	0.80	6.18	13.7	7.09	1.5
1422	100	6.83	8274	-18.8	0.73	4.70	13.8	7.11	2
1427	100	6.82	8219	-22.5	0.71	2.59	13.8	7.11	2.5
1432	100	6.82	8288	-22.4	0.71	2.03	14.1	7.11	3

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- NA D.O.: +/- NA TURB: +/- 10 % or </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4-30-25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE:	DATE SIGNED: 4-30-25

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Elliot Wielgopolski	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131800-45241.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: vbuening@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE River Rouge Power Plant	Project #: 24016806			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	9315_Ra226 - Radium-226	9320_Ra228, Ra226Ra228_GFPC	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate									Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	D	D	D	N	N									X	
MW-16-01	4/28/25	0940	G	Water	2	2	X	X	X	X	X									5	Metals list:
Dup-01		~~0940~~	G	Water	2	2	X	X	X	X	X										Sb, As, Ba, B, Ca, Cd
MW-16-02		1122	G	Water	2	2	X	X	X	X	X										Cr, Co, Pb, Li, Hg, Mo,
MW-16-03		1157	G	Water	2	2	X	X	X	X	X										Se, Tl
MW-17-17		1244	G	Water	2	2	X	X	X	X	X										
MW-17-16		1349	G	Water	2	2	X	X	X	X	X	X									
MW-17-06	↓	1509	G	Water	2	2	X	X	X	X	X									↓	
~~MW-16-07~~				Water																	
MW-17-07	4/28/25	1432	G	Water	N	N	X	X	X	X	X									5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	E Wielgopolski	4/28/25 1650	TRC	TRC Storage		
2		4-30-25 1032	TRC		4-30-25 1032	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record 716016

eurofins | Environment Testing America

TAL-8210

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

Client Contact	Project Manager: Vince Buening	Site Contact:	Date:	COC No:
Company Name: TRC	Tel/Email: VBuening@TRCcompanies.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1540 Eisenhower Place	Analysis Turnaround Time			Sampler:
City/State/Zip: Ann Arbor/MI/48108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CCR DTE River Rouge Power Plant	☐ 1 week			
Site: RRPP	☐ 2 days			Job / SDG No.:
PO # 229346	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Iron (6010B)	Cu, Ni, Ag, V, Zn (6020)	Sample Specific Notes:
MW-16-01	4-28-25	0940	G	GW	1	N	N	X	X	
Dup-01		—			1			X	X	
MW-16-02		1122			1			X	X	
MW-16-03		1157			1			X	X	
MW-17-17		1244			1			X	X	
MW-17-16		1349			1			X	X	
MW-17-06		1509			1			X	X	
MW-17-07		432			1			X	X	

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-28-25 1650	TRC Storage	TRC	4-28-25
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TRC	4-30-25/1052		GTA	4-30-25 1053
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TRC

PROJECT NAME:	DTE CCR: RRPP BAB 2025
PROJECT NUMBER:	620071.0000
PROJECT MANAGER:	V. Buening
SITE LOCATION:	1 Belanger Park Drive Detroit, MI 48218
DATES OF FIELDWORK:	10/6/2025 to 10/8/2025
PURPOSE OF FIELDWORK:	Second Semiannual Groundwater Sampling Event
WORK PERFORMED BY:	A. Kast A. Yassin

A. Kast 10/27/25
SIGNED DATE

CHECKED BY 10-30-25
DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE CCR: RRPP BAB 2025	DATE: 10/6/25	TIME ARRIVED: 0815
PROJECT NUMBER: 620071.0000	AUTHOR: A.K.	TIME LEFT: 1645

WEATHER

TEMPERATURE: 70-85 °F WIND: 10-15 MPH VISIBILITY: Clear

WORK / SAMPLING PERFORMED

Arrive on-site, check in w/ tech coordinator & site contact. Check in w/ security & specific site contact; receive radio Collect site-wide water levels

Check out w/ specific site contact Ron, return radio Notify tech coordinator & site contact

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vincent Buening	TRC	PM; updates
Jake Krenz	TRC	Tech coordinator; updates
Cassie Lutz	DTE	Site contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purge to ground

[signature] 10/27/25
SIGNED DATE

[signature] 10-30-25
CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE CCR: RRPP BAB 2025	DATE: 10/7/25	TIME ARRIVED: 0815
PROJECT NUMBER: 620071.0000	AUTHOR: A.K.	TIME LEFT: 1630

WEATHER

TEMPERATURE: 55-70 °F WIND: 5-10 MPH VISIBILITY: Cloudy

WORK / SAMPLING PERFORMED

Arrive on-site, notify site contact & tech coordinator. check in w/ security & site-specific contact, receive radio. Sample MW-16-01, 02, 03 & MW-17-16, 17, 06 & 07. DUP-01 collected at MW-16-03.

Return radio, notify site contacts & tech coordinator prior to leaving site

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vincent Buening	TRC	PM; updates
Jake Krenz	TRC	Tech coordinator; updates
Cassie Lutz	DTE	Site contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purge to ground

Ashley Vest 10/27/25
SIGNED DATE

[signature] 10-30-25
CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE CCR: RRPP BAB 2025	DATE: 10/8/25	TIME ARRIVED: 0818
PROJECT NUMBER: 620071.0000	AUTHOR: A.K.	TIME LEFT: 1600

WEATHER

TEMPERATURE: 50-62°F WIND: 10-15 MPH VISIBILITY: clear

WORK / SAMPLING PERFORMED

Arrive on site, meet w/ Ali. Check in w/ security, notify site contact & tech coordinator. Check in w/ site specific contact & recive radio.
Exchange bottles/labels/coolers w/ Ali, calibrate & sample MW-17-12, MW-17-08, MW-17-14,

Collected DUP-02 @ MW-17-14

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vincent Buening	TRC	PM; updates
Jake Krenz	TRC	Tech coordinator; updates
Cassie Lutz	DTE	Site contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purge to ground

Ashlyn Kent 10/27/25
SIGNED DATE

[signature] 10-30-25
CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE EC: RRPP	DATE: 10-8-25	TIME ARRIVED: 0800
PROJECT NUMBER: ~~265996.~~0005.0000 620071	AUTHOR: Ali Yaasiin	TIME LEFT: 1600

WEATHER		
TEMPERATURE: 65 °F	WIND: — MPH	VISIBILITY: Clear

WORK / SAMPLING PERFORMED

- Arrived onsite, met with Ashlyn. Got through security & got a walkie from Ron, the site contact

- Calibrated & sampled wells MW-17-15, MW-17-13, MW-17-20, MW-17-19

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vince Baenig	TRC	PM/Updates

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
Groundwater	NM	Purged to ground

A Yaasiin 10-9-25
SIGNED DATE

CHECKED BY 10/24/25
CHECKED BY DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE CCR: RRPP BAB 2025	DATE:	10/6/25
PROJECT NUMBER:	620071.0000	AUTHOR:	A. Hoist

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-17-01	1500	TOC	2.87	20.78		
MW-17-02	1510	TOC	6.65	27.56		
MW-17-03	1305	TOC	7.17	27.99		
MW-17-03P	1308	TOC	6.93	11.47		
MW-17-04	1314	TOC	4.56	24.84		
MW-17-04P	1315	TOC	5.37	8.39		
MW-17-05	1318	TOC	7.20	28.31		
MW-17-06	1400	TOC	7.82	28.14		
MW-17-07	1600	TOC	7.64	24.19		
MW-17-07P	1558 ~~7.85~~ 7.81	TOC	7.85	11.86		
MW-17-08	1422	TOC	6.79	27.39		
MW-17-08P	1423	TOC	6.84	13.78		
MW-17-09	1539	TOC	7.35	27.73		
MW-17-10	1551	TOC	7.43	25.52		
MW-17-11P	—	~~TOC~~	COULD NOT LOCATE			
MW-17-12	1151	TOC	6.15	24.32		
MW-17-12P	1150	TOC	4.84	6.58		
MW-17-13	0922	TOC	5.05	23.22		
MW-17-13P	0923	TOC	4.44	8.54		
MW-17-14	0954	TOC	5.54	25.17		
MW-17-14P	0925	TOC	5.86	9.92		
MW-17-15	1208	TOC	6.07	23.87		
MW-17-15P	—	COULD NOT LOCATE				
MW-17-16	1033	TOC	6.22	21.65		

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

SIGNED — DATE 10/27/25

CHECKED — DATE 10-30-25

TRC

WATER LEVEL DATA

PROJECT NAME: DTE CCR: RRPP BAB 2025	DATE: 10/6/25
PROJECT NUMBER: 620071.0000	AUTHOR: A. Vost

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO ~~PRODUCT~~ (FEET)	~~WATER~~ ELEVATION
MW-17-16P	1032	TOC	6.93	7.33		
MW-17-17	1105	TOC	5.81	21.88		
MW-17-17P	1107	TOC	6.31	7.17		
MW-17-18	1335	TOC	4.43	21.82		
MW-17-19	1322	TOC	3.94	27.57		
MW-17-19P	1324	TOC	4.46	7.17		
MW-17-20	1247	TOC	5.00	24.72		
MW-16-01P	1014	TOC	9.46	19.32	w/ bladder pump @ bottom	
MW-16-01	1039	TOC	9.15	19.98	w/ bladder pump	
MW-16-02	1036	TOC	~~9.99~~	DNM		
MW-16-02P	1038	TOC	9.51	15.20		
MW-16-03	1112	TOC	9.29	20.43	w/ bladder pump	
MW-16-03P	1114	TOC	9.45	11.24		
MW-16-04S	1236	TOC	8.03	20.09	w/ bladder pump	
MW-16-04P	1234	TOC	0.00	91.19	Artesian	
MP-01	1134	TOC	~~2.57~~ 2.16	NA		
~~MP-02~~						
MP-03	1423	Bridge	4.99	NA		
~~MP-04~~						
PT-TW-01	1025	TOC	7.23	25.04		
PT-TW-02	1018	TOC	8.71	26.84		
PT-TW-03R	1020	TOC	8.45	26.43		
PT-TW-04R	1011	TOC	9.09	27.32		

8.99
Changed by KL 12/18/2025

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

A. Vost 10/27/25
SIGNED DATE

10-30-25
CHECKED DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE CCR: RRPP BAB 2025	DATE: 10/6/25
PROJECT NUMBER:	620071.0000	AUTHOR: A. Vast

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-23-01	1359	TOC	3.87	23.35	NA	NA
MW-23-02	1400	TOC	4.62	22.79		
MW-23-03	1418	TOC	8.84	27.21		
MW-23-04	1534	TOC	8.09	27.92		
MW-23-05	1541	TOC	8.73	25.96		

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

Ashton Vast 10/27/25
SIGNED DATE

CHECKED 10-30-25
DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE CCR: RRPP BAB 2025	SAMPLER NAME:	A. Kast, A. Yaasiin
PROJECT NO.:	620071.0000		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

HERON DIPPER-T	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

NA	
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

HERON DIPPER-T	PROJECT DEDICATED
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

PURGING METHOD

BLADDER PUMP (DEDICATED) / peristaltic pump	PROJECT DEDICATED
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)

SAMPLING METHOD

BLADDER PUMP (DEDICATED) / peristaltic pump	PROJECT DEDICATED
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
NA	NA
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE

DEDICATED POLY TUBING / Dedicated Teflon Tubing — TUBING TYPE

☑ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	STORE BOUGHT
POTABLE WATER SOURCE	DI WATER SOURCE
[signature] 10/27/25	[signature] 10-30-25
SIGNED DATE	CHECKED BY DATE

REVISED 04/2019

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	MODEL: IN-SITU AquaTroll 600	SAMPLER: A.K.	
PROJECT NO.: 620071.0000	SERIAL #: ~~PROJECT~~ Ann Arbor	DATE: 10/7/25	

PH CALIBRATION CHECK

pH 7 (LOT #): 4610915 (EXP. DATE): 9/26 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 463J1193 (EXP. DATE): 10/26 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.02 / 7.02	4.00 / 4.00	☒ WITHIN RANGE	0845
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 4610916 (EXP. DATE): 9/25 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1332 / 1332	22.0	☒ WITHIN RANGE	0848
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 24H100593 (EXP. DATE): 8/29/29 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
228.2 / 228.2	21.5	☒ WITHIN RANGE	0850
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING D.I. POST-CAL. READING / SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
100% / 100%	21.9	☒ WITHIN RANGE	~~0858~~ AK 0855
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): A4311 (EXP. DATE): 11/26 POST-CAL. READING / STANDARD	(LOT #): 24019884 (EXP. DATE): 6/28 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.00 / 0.00	100.0 / 100.0	☒ WITHIN RANGE	0900
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION	☑ STANDARD SOLUTION (S)
(LOT #): (EXP. DATE):	LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	**CALIBRATION RANGES [1]**
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ ______	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ ______	

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED: [signature] DATE: 10/27/25

CHECKED BY: [signature] DATE: 10-30-25

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	MODEL: IN-SITU AquaTroll 600	SAMPLER: A.K.
PROJECT NO.: 620071.0000	SERIAL #: ~~PROJECT~~ Ann Arbor	DATE: 10/8/25

PH CALIBRATION CHECK

pH 7 (LOT #): 4GI0915 (EXP. DATE): 9/26	pH 4 / 10 (LOT #): 4GJ1193 (EXP. DATE): 10/26	CAL. RANGE	TIME
POST-CAL. READING / STANDARD	POST-CAL. READING / STANDARD		
7.06 / 7.06	4.00 / 4.00	☒ WITHIN RANGE	0901
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 4GI0916 (EXP. DATE): 9/25	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / STANDARD			
1045 / 1045	11	☒ WITHIN RANGE	0904
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 24H100553 (EXP. DATE): 8/29/29	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / STANDARD			
243.6 / 243.6	11	☒ WITHIN RANGE	0906
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING D.I.	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING /SATURATED AIR			
100% / 100%	11	☒ WITHIN RANGE	0909
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): A4311 (EXP. DATE): 11/26	(LOT #): 24019884 (EXP. DATE): 6/28	CAL. RANGE	TIME
POST-CAL. READING / STANDARD	POST-CAL. READING / STANDARD		
0.00 / 0.00	100.0 / 100.0	☒ WITHIN RANGE	0912
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION	☑ STANDARD SOLUTION (S)
(LOT #): (EXP. DATE):	LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	CALIBRATION RANGES [1]
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ ______	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ ______	

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED: [signature] DATE: 10/27/25

CHECKED BY: [signature] DATE: 10-30-25

REVISED 04/2019

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: DTE EC: RRPP		MODEL: YSI 556	SAMPLER: ~~CS/JK~~ AY
PROJECT NO.: 254222.0005.0000		SERIAL #: ~~TRC A2~~ Project dedicated	DATE: 10-8-25

PH CALIBRATION CHECK

pH 7 (LOT #): 56C1227 (EXP. DATE): MAR/27	pH 4 / 10 (LOT #): 56E0612 (EXP. DATE): MAY/27	CAL. RANGE	TIME
POST-CAL. READING / STANDARD	POST-CAL. READING / STANDARD		
7.00 / 7.00	4.00 / 4.00	☑ WITHIN RANGE	0859
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 56F0319 (EXP. DATE): JUN/26	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / STANDARD			
1275 / 1275	20.0	☑ WITHIN RANGE	0905
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 23L100156 (EXP. DATE): 2028-11-07	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / STANDARD			
230.3 / 230.3	20.0	☑ WITHIN RANGE	0907
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / SATURATED AIR			
100.0% / 100.0%	17.9	☑ WITHIN RANGE	0910
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU)		CAL. RANGE	TIME
(LOT #): (EXP. DATE):	(LOT #): (EXP. DATE):		
POST-CAL. READING / STANDARD	POST-CAL. READING / STANDARD		
0.00 /	10.0 / 10.0	☑ WITHIN RANGE	0915
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION	☑ STANDARD SOLUTION (S)
(LOT #): (EXP. DATE):	LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	**CALIBRATION RANGES [1]**
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ ______	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ ______	

NOTES

Turbidity calculated with LaMotte

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED: [signature] DATE: 10-9-25

CHECKED BY: [signature] DATE: 10/24/25

REVISED 06/2011

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: A.K.	DATE: 10/7/25	BY: SK	DATE: 10-30-25

SAMPLE ID: MW-16-01 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1109	DATE: 10/7/25	SAMPLE	TIME: 1134	DATE: 10/7/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 9.54 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 5 ☑ LITERS ☐ GALLONS

COLOR: Slight orange/brown Particulate ODOR: Moderate

TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 9.04 SU | CONDUCTIVITY: 1253.5 umhos/cm

ORP: -165.4 mV | DO: 0.08 mg/L

TURBIDITY: 2.02 NTU

☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 15.33 °C | OTHER: —

COLOR: Clear/ black particulate | ODOR: Moderate

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1109 ~~1009~~	200	7.24	1343.2	106.9	5.13	9.88	17.22	9.54	INITIAL
1114		8.30	1266.5	-27.6	1.66	5.23	17.38	9.79	1
1119		8.70	1247.1	-68.0	0.78	3.24	16.03	9.93	2
1124		8.99	1230.6	-113.7	0.16	1.94	15.58	10.12	3
1129		9.04	1243.1	-134.9	0.10	1.98	15.43	10.01	4
1134		9.04	1253.5	-165.4	0.08	2.02	15.33	10.08	5
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or **<= 5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/28/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10/27/25

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: A.K.	DATE: 10/7/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-16-02 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 0930	DATE: 10/7/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 9.26 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 9 ☑ LITERS ☐ GALLONS

COLOR: clear w/ particulate ODOR: slight

TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1000	DATE: 10/7/25

PH: 7.11 SU | CONDUCTIVITY: 1432.0 umhos/cm

ORP: 29.1 mV | DO: 0.18 mg/L

TURBIDITY: 1.92 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 16.14 °C | OTHER:

COLOR: clear | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0930	300	7.09	1346.9	119.0	2.43	92.64	16.06	9.26	INITIAL
0935		7.15	1394.4	88.5	0.60	52.17	16.10	9.28	1.5
0940		7.16	1409.6	56.9	0.34	17.32	16.41	9.28	3.0
0945		7.15	1428.8	42.5	0.26	6.05	16.38	9.27	4.5
0950		7.16	1434.8	35.6	0.22	3.81	16.32	9.28	6.0
0955		7.13	1436.7	31.6	0.20	1.81	16.39	9.28	7.5
1000		7.11	1432.0	29.1	0.18	1.95	16.14	9.28	9.0
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or **</= 5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/28/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: Ashley Hart	DATE SIGNED: 10/27/25

WATER SAMPLE LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: A.K.	DATE: 10/7/25	BY: SK	DATE: 10-30-25

SAMPLE ID: MW-16-03 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1203	DATE: 10/7/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 9.30 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6.25 ☑ LITERS ☐ GALLONS

COLOR: clear/slight orange/black particulate ODOR: Slight

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1245	DATE: 10/7/25

PH: 7.20 SU | CONDUCTIVITY: 1124.4 umhos/cm

ORP: -5.0 mV | DO: 0.06 mg/L

TURBIDITY: 2.96 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.31 °C | OTHER:

COLOR: Clear | ODOR: Slight

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☒ DUP- 01

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1203	250	7.42	979.39	20.3	5.05	4.17	19.17	9.30	INITIAL
1225		7.20	898.19	33.2	0.89	2.31	15.09	9.31	1.25
1230		7.27	924.22	14.4	0.15	3.03	14.73	9.31	2.50
1235		7.25	1077.7	11.4	0.09	3.13	14.56	9.30	3.75
1240		7.22	1127.1	1.7	0.05	2.99	14.43	9.31	5.0
1245		7.20	1124.4	-5.0	0.06	2.96	14.31	9.30	6.25
				SAMPLE					

Reconnect canister

Fittings on gas canister loosened

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- NA D.O.: +/- NA TURB: +/- 10 % or </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
2	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
4	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/~~10~~8/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: Allison Hoot	DATE SIGNED: 10/27/25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: A.K.	DATE: 10/8/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-16-045 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1504	DATE: 10/8/25	SAMPLE	TIME: 1524	DATE: 10/8/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 8.08 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6.0 ☑ LITERS ☐ GALLONS

COLOR: clear w/ particulate ODOR: very slight

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.74 SU | CONDUCTIVITY: 1323.6 umhos/cm

ORP: 30.3 mV | DO: 0.22 mg/L

TURBIDITY: 3.15 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.03 °C | OTHER: —

COLOR: clear | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1504	300	7.54	882.79	118.4	7.53	8.79	15.13	8.08	INITIAL
1509		7.61	1227.0	104.3	1.62	4.32	13.28	8.08	1.5
1514		7.76	1319.1	74.0	0.55	2.60	13.07	8.08	3.0
1519		7.77	1322.4	46.1	0.27	2.96	13.03	8.08	4.5
1524		7.74	1323.6	30.3	0.22	3.15	13.03	8.08	6.0
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/10/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:	Dublin Heck	DATE SIGNED:	10/27/25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: A.K.	DATE: 10/8/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-17-05 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1403	DATE: 10/8/25	SAMPLE	TIME: 1423	DATE: 10/8/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 7.28 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 4 ☑ LITERS ☐ GALLONS

COLOR: Cloudy/white ODOR: Slight

TURBIDITY: ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.88 SU | CONDUCTIVITY: 2788.5 umhos/cm

ORP: 0.3 mV | DO: 0.08 mg/L

TURBIDITY: 3.32 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.19 °C | OTHER: —

COLOR: Clear | ODOR: Slight

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1403	200	7.06	2499.7	46.5	5.62	55.04	14.50	7.28	INITIAL
1408		7.01	2431.4	20.0	0.19	19.65	13.49	7.34	1
1413		6.95	2622.1	11.9	0.10	3.48	13.34	7.34	2
1418		6.91	2703.2	5.1	0.09	2.99	13.25	7.35	3
1423		6.88	2788.5	0.3	0.08	3.32	13.19	7.35	4
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or **</= 5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250 mL~~ 500	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/10/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:	[signature]	DATE SIGNED:	10/27/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: A.K.	DATE: 10/7/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-17-06 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1454	DATE: 10/7/25	SAMPLE	TIME: 1519	DATE: 10/7/25
PURGE METHOD: ☑ PUMP ☐ BAILER			PH: 6.64 SU	CONDUCTIVITY: 4028.1 umhos/cm	
DEPTH TO WATER: 7.88 T/ PVC			ORP: 39.3 mV	DO: 0.10 mg/L	
DEPTH TO BOTTOM: NM T/ PVC			TURBIDITY: 1.15 NTU		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
VOLUME REMOVED: 5 ☑ LITERS ☐ GALLONS			TEMPERATURE: 15.74 °C	OTHER: ~	
COLOR: Orangeish w/ black Particulate	ODOR: Slight		COLOR: Clear	ODOR: None	
TURBIDITY			FILTRATE (0.45 um) ☐ YES ☑ NO		
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1454	200	6.60	4655.4	65.1	0.44	77.18	16.10	7.88	INITIAL
1459		6.61	4460.1	54.3	0.19	47.16	15.97	7.98	1
1504		6.62	4134.0	48.0	0.13	18.22	15.92	7.98	2
1509		6.62	4080.9	45.7	0.12	3.73	15.84	7.98	3
1514		6.64	4047.8	41.9	0.11	1.28	15.77	7.98	4
1519		6.64	4028.1	39.3	0.10	1.15	15.74	7.98	5
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/8/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: Ashley Veit	DATE SIGNED: 10/27/25

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR: RRPP BAB 2025	PREPARED			CHECKED		
PROJECT NUMBER:	620071.0000	BY:	A.K.	DATE: 10/7/25	BY: JK	DATE:	10-30-25

SAMPLE ID: MW-17-07 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1537	DATE: 10/7/25	SAMPLE	TIME: 1557	DATE: 10/7/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 7.59 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 2.0 ☑ LITERS ☐ GALLONS

COLOR: Orangeish w/ black ODOR: Slight

Particulate TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.69 SU | CONDUCTIVITY: 9238.7 umhos/cm

ORP: 57.6 mV | DO: 0.22 mg/L

TURBIDITY: 0.89 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.96 °C | OTHER: —

COLOR: clear | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1537	~~200~~ 100	6.68	9334.0	73.4	3.20	61.52	14.84	7.59	INITIAL
1542	100	6.68	9330.2	58.6	0.20	14.90	14.60	7.81	0.5
1547		6.68	9270.6	56.2	0.23	2.89	14.89	7.90	1.0
1552		6.68	9263.1	58.1	0.23	0.88	15.10	7.91	1.5
1557		6.69	9238.7	57.6	0.22	0.89	14.96	7.92	2.0
					SAMPLE				

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/8/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:	[signature]	DATE SIGNED:	10/27/25

TRC WATER SAMPLE LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: A.K.	DATE: 10/8/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-17-08 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1018	DATE: 10/8/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 6.72 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 4 ☑ LITERS ☐ GALLONS

COLOR: Clear w/ particulate ODOR: None

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1038	DATE: 10/8/25

PH: 7.09 SU | CONDUCTIVITY: 1095.7 umhos/cm

ORP: 18.8 mV | DO: 0.16 mg/L

TURBIDITY: 3.01 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.66 °C | OTHER: —

COLOR: Clear | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1018	200	7.10	1098.1	49.7	1.05	9.21	14.41	6.72	INITIAL
1023		7.08	1101.4	41.4	0.36	2.67	14.09	6.95	1
1028		7.08	1099.7	31.4	0.21	2.69	13.79	7.20	2
1033		7.08	1097.0	24.3	0.17	2.83	13.73	7.39	3
1038		7.09	1095.7	18.8	0.16	3.01	13.66	7.38	4
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or **</= 5** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/10/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: Ashley Hart	DATE SIGNED: 10/27/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: A.K.	DATE: 10/8/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-17-12 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 0928	DATE: 10/8/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 6.09 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 4 ☑ LITERS ☐ GALLONS

COLOR: clear w/ particulate ODOR: slight

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 0948	DATE: 10/8/25

PH: 6.91 SU | CONDUCTIVITY: 2198.6 umhos/cm

ORP: -1.2 mV | DO: 0.08 mg/L

TURBIDITY: 2.92 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 15.01 °C | OTHER: —

COLOR: clear | ODOR: slight

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0928	200	6.39	2393.2	97.1	3.35	5.62	15.31	6.09	INITIAL
0933		6.66	2320.5	49.5	0.15	6.87	15.18	6.17	1
0938		6.73	2313.4	31.5	0.11	3.17	15.12	6.18	2
0943		6.89	2260.7	6.3	0.08	2.81	15.03	6.18	3
0948		6.91	2198.6	-1.2	0.08	2.92	15.01	6.18	4
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/10/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:		DATE SIGNED:	10/27/25

WATER SAMPLE LOG

PROJECT NAME: DTE EC: RRPP	PREPARED		CHECKED	
PROJECT NUMBER: 265996.0005.0000	BY: AY	DATE: 10-8-25	BY: AK	DATE: 10/24/25

SAMPLE ID: MW-17-13 ~~MW-17-13~~ | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 0930	DATE: 10-8-25	SAMPLE	TIME: 1015	DATE: 10-8-25

PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER

DEPTH TO WATER: 5.11 T/ PVC

DEPTH TO BOTTOM: 23.20 T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: .8 ☑ LITERS ☐ GALLONS

COLOR: clear ODOR:

TURBIDITY ☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.82 SU | CONDUCTIVITY: 2471 umhos/cm

ORP: -61.8 mV | DO: 0.21 mg/L

TURBIDITY: 3.97 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.2 °C | OTHER:

COLOR: clear | ODOR: none

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0930	200	6.33	2981	57.5	2.30	16.4	14.7	5.11	INITIAL
0935		6.61	3022	-5.3	0.40	23.7	14.2		1
0940		6.64	3015	-17.3	0.29	40.8	14.0		2
0945		6.66	2958	-22.8	0.27	41.9	13.9		3
0950		6.71	2816	-30.5	0.25	28.1	13.9		4
0955		6.78	2596	-48.4	0.22	13.0	13.9		5
1000	150	6.79	2571	-51.6	0.22	8.30	14.1		5.75
1005		6.81	2516	-56.6	0.22	5.73	14.2		6.5
1010		6.82	2485	-59.1	0.28	4.28	14.2		7.25
1015		6.82	2471	-61.8	0.21	3.97	14.2		8

allowed site for turbidity stab.

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/10/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10-9-25

REVISED 06/2011

TRC WATER SAMPLE LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: A.K.	DATE: 10/8/25	BY: JL	DATE: 10-30-25

SAMPLE ID: MW-17-14 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1137	DATE: 10/8/25	SAMPLE	TIME: 1157	DATE: 10/8/25
PURGE METHOD: ☑ PUMP ☐ BAILER			PH: 7.06 SU	CONDUCTIVITY: 1898.9 umhos/cm	
			ORP: 11.9 mV	DO: 0.45 mg/L	
DEPTH TO WATER: 5.56 T/ PVC			TURBIDITY: 4.20 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 14.68 °C	OTHER: —	
VOLUME REMOVED: 4 ☑ LITERS ☐ GALLONS			COLOR: Clear	ODOR: None	
COLOR: Clear w/ particulate	ODOR: None		FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
			QC SAMPLE: ☐ MS/MSD	☒ DUP- 02	
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1137	200	7.89	1920.7	AK 3.003	8.58	6.72	17.85	5.56	INITIAL
1142		7.09	1929.8	14.0	0.43	4.11	14.90	5.60	1
1147		7.07	1899.9	15.3	0.70	4.02	14.67	5.60	2
1152		7.06	1900.6	12.8	0.52	4.17	14.66	5.60	3
1157		7.06	1898.9	11.9	0.45	4.20	14.68	5.60	4
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or **</= 5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
2	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
4	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/10/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10/27/25

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE EC: RRPP	PREPARED		CHECKED	
PROJECT NUMBER: 265996.0005.0000	BY: AY	DATE: 10-8-25	BY: AH	DATE: 10/10/25

SAMPLE ID: MW-17-15 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1047	DATE: 10-8-25	SAMPLE	TIME: 1137	DATE: 10-8-25

PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER

DEPTH TO WATER: 13.80 T/ PVC

DEPTH TO BOTTOM: 23.90 T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 8.5 ☑ LITERS ☐ GALLONS

COLOR: brown ODOR: none

TURBIDITY ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.11 SU | CONDUCTIVITY: 1416 umhos/cm

ORP: -67.3 mV | DO: 0.19 mg/L

TURBIDITY: 3.90 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.2 °C | OTHER:

COLOR: clear | ODOR: none

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1047	200	7.12	1072	-19.9	1.12	39.6	13.5	13.36	INITIAL
1052		7.13	1061	-43.9	0.50	21.3	13.3		1
1057		7.11	1165	-53.9	0.32	36.2	13.2		2
1102		7.04	1243	-57.8	0.24	35.3	13.2		3
1107		7.10	1313	-61.2	0.26	21.6	13.2		4
1112	150	7.11	1313	-63.7	0.22	12.0	13.2		4.75
1117		7.11	1351	-64.5	0.22	8.63	13.2		5.5
1122		7.11	1384	-66.3	0.21	6.13	13.2		6.25
1127		7.11	1396	-66.2	0.21	4.25	13.2		7
1132		7.11	1408	-67.2	0.20	2.05	13.2		7.75

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/10/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10-9-25

REVISED 06/2011

TRC

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: DTE EC: RRPP	PREPARED		CHECKED	
PROJECT NUMBER: 265996.0005.0000	BY: AY	DATE: 10-8-25	BY: AK	DATE: 10/24/25

SAMPLE ID: MW-17-15

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1137	150	7.11	1416	-67.3	0.19	3.90	13.2	13.36	8.5

SIGNATURE: [signature] DATE SIGNED: 10-9-25

TRC WATER SAMPLE LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: A.K.	DATE: 10/7/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-17-16 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1412	DATE: 10/7/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 6.28 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 3.50 ☑ LITERS ☐ GALLONS

COLOR: clear w/ black particulate ODOR: Slight

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1432	DATE: 10/7/25

PH: 7.45 SU | CONDUCTIVITY: 1050.7 umhos/cm

ORP: -34.1 mV | DO: 0.17 mg/L

TURBIDITY: 1.63 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 15.39 °C | OTHER: —

COLOR: clear | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1412	200	7.28	1174.3	59.8	3.58	2.41	15.97	6.28	INITIAL
1417		7.40	1184.0	-2.7	0.24	2.91	15.58	6.97	1
1422	150	7.42	1140.4	-16.9	0.20	2.24	15.54	7.73	2
1427		7.45	1066.3	-33.4	0.19	1.25	15.47	7.82	2.75
1432		7.45	1050.7	-34.1	0.17	1.63	15.39	7.93	3.50
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 300 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/28/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10/27/25

REVISED 04/2019

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER:	620071.0000	BY: A.K.	DATE: 10/7/25	BY: SK	DATE: 10-30-25

SAMPLE ID: MW-17-17 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1316	DATE: 10/7/25

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 5.74 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 5.75 ☑ LITERS ☐ GALLONS

COLOR: clear/slight orange ODOR: slight

w/particulate TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1351	DATE: 10/7/25

PH: 7.30 SU | CONDUCTIVITY: 675.88 umhos/cm

ORP: -4.2 mV | DO: 0.07 mg/L

TURBIDITY: 1.89 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.10 °C | OTHER: —

COLOR: Clear/slight yellow | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1316	200	7.39	776.51	61.9	2.79	4.36	16.39	5.74	INITIAL
1321	200	7.36	703.27	29.1	0.21	3.83	14.78	6.30	1.00
1326	150	7.35	700.16	11.2	0.16	2.46	14.86	6.26	2.00
1331		7.34	695.23	0.9	0.12	36.38	14.52	6.29	2.75
1336		7.32	692.55	-3.7	0.12	12.42	14.60	6.33	3.50
1341		7.31	683.49	-3.8	0.11	1.52	14.29	6.38	4.25
1346		7.31	677.55	-3.8	0.09	1.64	14.13	6.41	5.00
1351		7.30	675.88	-4.2	0.07	1.89	14.10	6.44	5.75
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/8/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: Allison Hoyt	DATE SIGNED: 10/27/25

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE CCR: RRPP BAB 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620071.0000	BY: A.K.	DATE: ~~8~~ 10/8/25	BY: JK	DATE: 10-30-25

SAMPLE ID: MW-17-18 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1252	DATE: ~~8~~ 10/8/25	SAMPLE	TIME: 1327	DATE: 10/8/25
PURGE METHOD: ☑ PUMP ☐ BAILER			PH: 6.82 SU	CONDUCTIVITY: 1916.7 umhos/cm	
			ORP: 21.5 mV	DO: 0.11 mg/L	
DEPTH TO WATER: 4.48 T/ PVC			TURBIDITY: 3.73 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 15.39 °C	OTHER: —	
VOLUME REMOVED: 7 ☑ LITERS ☐ GALLONS			COLOR: Clear	ODOR: Slight	
COLOR: clear w/ particulate ODOR: slight			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: Surface water over TOC - remove by bailing before removing well plug		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1252	200	6.99	1333.4	53.9	2.12	30.22	17.11	4.48	INITIAL
1257		6.97	1499.8	34.5	0.14	8.60	15.78	4.53	1
1302		6.90	1802.1	28.2	0.12	6.13	15.56	4.55	2
1307		6.86	1709.6	15.3	0.11	7.84	15.09	4.56	3
1312		6.84	1870.9	19.9	0.07	3.76	14.85	4.56	4
1317		6.81	1917.4	22.1	0.11	3.83	15.39	4.56	5
1322		6.81	1917.6	22.6	0.11	3.87	15.41	4.56	6
1327		6.82	1916.7	21.5	0.11	3.73	15.39	4.56	7
				SAMPLE					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or **</= 5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	~~250~~ 500 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	~~250~~ 500 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/10/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10/27/25

WATER SAMPLE LOG

PROJECT NAME: DTE EC: RRPP	PREPARED		CHECKED	
PROJECT NUMBER: 265996.0005.0000	BY: AY	DATE: 10-8	BY: AK	DATE: 10/24/25

SAMPLE ID: MW-17-19 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1340	DATE: 10-8-25	SAMPLE	TIME: 1405	DATE: 10-8
PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER			PH: 7.14 SU	CONDUCTIVITY: 2428 umhos/cm	
			ORP: -65.2 mV	DO: 0.29 mg/L	
DEPTH TO WATER: 3.99 T/ PVC			TURBIDITY: 1.79 NTU		
DEPTH TO BOTTOM: 25.50 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 13.5 °C	OTHER:	
VOLUME REMOVED: 5 ☑ LITERS ☐ GALLONS			COLOR: clear	ODOR: none	
COLOR: clear	ODOR: none		FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

Flow cell emptied

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1340	200	7.15	2493	12.1	2.03	7.42	13.6	3.99	INITIAL
1345	|	7.18	2453	-24.9	~~2.87~~ 0.74	28.7	14.1	|	1
1350	|	7.19	2437	-46.5	0.54	9.9	13.7	|	2
1355	|	7.18	2432	-56.1	0.37	~~3.34~~	~~13.6~~	|	3
1400	|	7.18	2431	-61.0	0.34	2.41	13.6	|	4
1405	|	7.19	2428	-65.2	0.29	1.79	13.5	|	5

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/10/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10-9-25

REVISED 06/2011

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE EC: RRPP	PREPARED		CHECKED	
PROJECT NUMBER: 265996.0005.0000	BY: AY	DATE: 10-8-25	BY: AK	DATE: 10/24/25

SAMPLE ID: MW-17-20 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1234	DATE: 10-8-25

PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER

DEPTH TO WATER: 5.01 T/ PVC

DEPTH TO BOTTOM: 24.07 T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 5 ☑ LITERS ☐ GALLONS

COLOR: clear ODOR: none

TURBIDITY ☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1259	DATE: 10-8-25

PH: 6.70 SU CONDUCTIVITY: 4619 umhos/cm

ORP: -40.8 mV DO: 0.28 mg/L

TURBIDITY: 1.08 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.8 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1234	200	6.85	975	30.3	1.45	5.00	13.3	5.01	INITIAL
1239	|	6.63	3099	-14.9	0.57	9.8	13.0	|	1
1244	|	6.65	4409	-31.0	0.35	2.19	12.9	|	2
1249	|	6.67	4537	-35.4	0.31	1.43	12.9	|	3
1254	|	6.69	4597	-38.8	0.29	1.88	12.9	|	4
1259	|	6.70	4619	-40.8	0.28	1.08	12.8	|	5

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- **NA** D.O.: +/- **NA** TURB: +/- **10 %** or </= **5** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	1 L	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/10/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 10-9-25

REVISED 06/2011

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast, A. Yassin	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Natrue & Extent MW	Project #: 24016806			
Site: Michigan	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
Preservation Code:					N	N	D	D		
MW-16-04S	10/8/25	1524	G	Water	N	N	X	X	2	
MW-17-05		1423		Water	N	N	X	X		
MW-17-08		1038		Water	N	N	X	X		~~Hold Samples~~ HOLD
MW-17-12		0948		Water	N	N	X	X		~~MW-1~~ HOLD
MW-17-13		1015		Water	N	N	X	X		HOLD
MW-17-14		1157		Water	N	N	X	X		
MW-17-15		1137		Water	N	N	X	X		
MW-17-18		1327		Water	N	N	X	X		
MW-17-19		1405		Water	N	N	X	X		HOLD
MW-17-20		1259		Water	N	N	X	X		
DUP-02		—		Water	N	N	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ashan Kast	10/8/25 1747	TRC	TRC Fridge	10/8/25 1747	TRC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-10-25 0926	TRC	[signature]	10/10/25 0926	EETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137614-43681.2
Client Contact: Jacob Krenz	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days): standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229346			
Email: JKrenz@trccompanies.com	WO #: 605116 phase 1			
Project Name: CCR DTE RRPP-Assessment Wells	Project #: 24016806			
Site: Michigan	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra228 - Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	D	D		
MW-16-01	10/7/25	1134	G	Water			X	X		
MW-16-02		1000		Water			X	X		
MW-16-03		1245		Water			X	X		
MW-17-16		1432		Water			X	X		
MW-17-17		1351		Water			X	X		
MW-17-06		1519		Water			X	X		
MW-17-07		1557		Water			X	X		
DUP-1		—		Water			X	X		
				Water						
				Water						
				Water						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify) Level II TRC EIM

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alyssa Kast	10/7/25 to 1754	TRC	TRC Fridge	10/7/25 1754	TRC
2	E Wright	10/8/25 0946	TRC	Ally Miller	10/8/25 0946	EETA
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Appendix C
Data Quality Reviews

Laboratory Data Quality Review
Groundwater Monitoring Event April 2025
DTE Electric Company River Rouge Power Plant (DTE RRPP)

Groundwater samples were collected by TRC for the April 2025 sampling event for the Bottom Ash Basin at the DTE RRPP. Samples were analyzed for anions, total dissolved solids, and total metals by Eurofins Cleveland, located in Barberton, Ohio. Samples were analyzed for radium by Eurofins St. Louis located in Earth City, Missouri. The laboratory analytical results are reported in laboratory report 240-223401-1 and 240-223401-3.

During the April 2025 sampling event, a groundwater sample was collected from each of the following wells:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-17-06
- MW-17-07
- MW-17-16
- MW-17-17

Each sample was analyzed for the following constituents:

Analyte Group	Method
Anions (Fluoride, Chloride, Sulfate)	SW846 9056A
Total Dissolved Solids (TDS)	SM 2540C
Total Recoverable Metals	SW846 6010D/6020B/7470A
Radium (Ra-226, Ra-228, Combined Ra-226 & Ra-228)	SW846 9315/9320

TRC reviewed the laboratory data to assess data usability. The following sections summarize the data review procedure and the results of the review.

Data Quality Review Procedure

The analytical data were reviewed using the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020) and the Department of Energy Evaluation of Radiochemical Data Usability (USDOE, 1997). The following items were included in the evaluation of the data:

- Chain-of-custody (COC) and data completeness;
- Sample receipt, as noted in the cover page or case narrative;
- Technical holding times for analyses;
- Reporting limits (RLs) compared to project-required RLs;
- Data for method blanks, equipment blanks, and field blanks. Method blanks are used to assess potential contamination arising from laboratory sample preparation and/or analytical procedures. Field and equipment blanks are used to assess potential contamination arising from field procedures;

- Data for laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs), when performed. The LCSs and/or LCSDs are used to assess the accuracy of the analytical method using a clean matrix;
- Percent recoveries for matrix spike (MS) and matrix spike duplicates (MSD), when performed on project samples. Percent recoveries are calculated for each analyte spiked and used to assess bias due to sample matrix effects;
- Data for laboratory duplicates, when performed on project samples. The laboratory duplicates are replicate analyses of one sample and are used to assess the precision of the analytical method;
- Percent recoveries for carriers, where applicable, for radiochemistry only. Carriers are used to assess the chemical yield for the preparation and/or instrument efficiency;
- Data for blind field duplicates. Field duplicate samples are used to assess variability introduced by the sampling and analytical processes; and
- Overall usability of the data.

This data usability report addresses the following items:

- Usability of the data if quality control (QC) results suggest potential problems with all or some of the data;
- Actions regarding specific QC criteria exceedances.

Review Summary

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable for their intended purpose. A summary of the data quality review, including non-conformances and issues identified in this evaluation are noted below.

- The reviewed Appendix III and IV constituents will be utilized for the purposes of an assessment monitoring program.
- Data are usable for the purposes of the assessment monitoring program.
- When the data are evaluated through an assessment monitoring statistical program, findings below may be used to support the removal of outliers

QA/QC Sample Summary

- Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC.
- The cooler temperatures were between 0-6°C and acid was used for sample preservation as applicable.
- All preparation and analysis holding time requirements were met.
- An equipment blank and field blank were not submitted with this data set.
- Target analytes were not detected in the method blanks.
- LCS recoveries for all target analytes were within laboratory control limits.
- MS/MSD analyses were performed on sample MW-16-01 for total metals. The percent recoveries (%Rs) and relative percent differences (RPDs) were within acceptance criteria.

- A laboratory duplicate analysis was performed on sample MW-17-17 for TDS. All criteria were met.
- Samples DUP-01 and MW-16-01 were submitted as the field duplicate pair with this data set; all criteria were met.
- Carrier recoveries were within 30-110%.
- RLs were compared to Tables 2-2 and 2-3 in CCR Groundwater Monitoring and QAPP – DTE Electric Company River Rouge Power Plant Bottom Ash Basin – August 2016; Revised March and August 2017. The following discrepancy was noted:
  - Chromium was reported with an RL (5 µg/L) greater than the QAPP-specified RL (2 µg/L). The elevated reporting limit (5 ug/L) is below the applicable standard for chromium (Groundwater Protection Standard, GWPS = 100 ug/L); therefore, the elevated RL has no adverse impact on data usability.

  The RLs met the project requirements and were deemed suitable for data usability.

Laboratory Data Quality Review
Groundwater Monitoring Event October 2025
DTE Electric Company River Rouge Power Plant (DTE RRPP)

Groundwater samples were collected by TRC for the October 2025 sampling event at the DTE RRPP. Samples were analyzed for anions, total dissolved solids, and total metals by Eurofins Cleveland, located in Barberton, Ohio. Samples were analyzed for radium by Eurofins St. Louis located in Earth City, Missouri. The laboratory analytical results are reported in laboratory reports 240-234871-1, 240-234871-2, 240-234871-3, 240-235088-1, 240-235088-2 (Revision 1, dated 12/17/25), 240-235088-3, 240-235088-5, and 240-235088-6.

During the October 2025 sampling event, a groundwater sample was collected from each of the following wells:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-16-04S
- MW-17-05
- MW-17-06
- MW-17-07
- MW-17-08
- MW-17-12
- MW-17-13
- MW-17-14
- MW-17-15
- MW-17-16
- MW-17-17
- MW-17-18
- MW-17-20

Each sample was analyzed for one or more of the following constituents:

Analyte Group	Method
Anions (Fluoride, Chloride, Sulfate)	SW846 9056A
Total Dissolved Solids (TDS)	SM 2540C
Total Metals	SW846 6010D/6020B
Radium (Ra-226, Ra-228, Combined Ra-226 & Ra-228)	SW846 9315/9320

TRC reviewed the laboratory data to assess data usability. The following sections summarize the data review procedure and the results of the review.

Data Quality Review Procedure

The analytical data were reviewed using the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020) and the Department of Energy Evaluation of Radiochemical Data Usability (USDOE, 1997). The following items were included in the evaluation of the data:

- Chain-of-custody (COC) and data completeness;
- Sample receipt, as noted in the cover page or case narrative;
- Technical holding times for analyses;
- Reporting limits (RLs) compared to project-required RLs;

- Data for method blanks, equipment blanks, and field blanks. Method blanks are used to assess potential contamination arising from laboratory sample preparation and/or analytical procedures. Field and equipment blanks are used to assess potential contamination arising from field procedures;
- Data for laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs), when performed. The LCSs and/or LCSDs are used to assess the accuracy of the analytical method using a clean matrix;
- Percent recoveries for matrix spike (MS) and matrix spike duplicates (MSD), when performed on project samples. Percent recoveries are calculated for each analyte spiked and used to assess bias due to sample matrix effects;
- Data for laboratory duplicates, when performed on project samples. The laboratory duplicates are replicate analyses of one sample and are used to assess the precision of the analytical method;
- Percent recoveries for carriers, where applicable, for radiochemistry only. Carriers are used to assess the chemical yield for the preparation and/or instrument efficiency;
- Data for blind field duplicates. Field duplicate samples are used to assess variability introduced by the sampling and analytical processes; and
- Overall usability of the data.

This data usability report addresses the following items:

- Usability of the data if quality control (QC) results suggest potential problems with all or some of the data;
- Actions regarding specific QC criteria exceedances.

Review Summary

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable for their intended purpose. A summary of the data quality review, including non-conformances and issues identified in this evaluation are noted below.

- The reviewed Appendix III and IV constituents will be utilized for the purposes of an assessment monitoring program.
- Data are usable for the purposes of the assessment monitoring program.
- When the data are evaluated through an assessment monitoring statistical program, findings below may be used to support the removal of outliers

QA/QC Sample Summary

- Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC. The following were noted.
  - The laboratory reported boron using SW846 method 6010D and all remaining metals using 6020B rather than 6010B and 6020, respectively, as requested on the COC in all SDGs. Note that method 6010B was inadvertently listed on the COC for arsenic, barium, cobalt, lithium, and molybdenum in SDG 240-234871-1. There was no adverse impact on the data usability due to this issue.

- Samples MW-17-08, MW-17-12, MW-17-13, and MW-17-19 were included on the COCs for SDG 240-235088; however, these samples were placed on hold for all analyses except for TDS. The laboratory was instructed to analyze TDS in these samples but not report the results. Samples MW-17-12 and MW-17-13 were later taken off of hold for lithium; those results were reported in SDG 240-235088-5. Samples MW-17-08 and MW-17-13 were also later taken off of hold for radium; those results were reported in SDG 240-235088-6.
- It should be noted that the results for Combined Radium 226 + 228 were not initially reported in the samples from SDG 240-235088-2. The laboratory provided a revised report on 12/17/2025 that included the missing results.
- It should be noted that Detection Summaries provided in the laboratory reports do not include radiochemical test results.

- The cooler temperatures were between 0-6°C and acid was used for sample preservation as applicable, with the following note and exception.
- All preparation and analysis holding time requirements were met with the following exception.
  - Based upon client request, radium-226 for samples MW-17-08 and MW-17-13 in SDG 240-235088-6 was reported without the standard 21-day waiting period which ensures short-lived alpha-emitting radium isotopes (e.g. radium-224) have decayed out. Therefore, the radium-226 results for samples MW-17-08 and MW-17-13 should be considered to be potentially biased high as summarized in the attached table, Attachment A.
- An equipment blank and field blank were not submitted with this data set.
- Target analytes were not detected in the method blanks.
- LCS recoveries for all target analytes were within laboratory control limits with the following exceptions.
  - The recoveries of radium-228 in the LCS from SDG 240-234871-2 (128%) and the LCS from SDG 240- 235088-6 (131%) were outside of the laboratory acceptance limits (75-125%). The laboratory stated in the case narratives that the acceptance limits in their system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of work; the samples associated with these LCSs are not from this agency and are therefore instead held to the laboratory's in-house statistical limits of 68-154%. The LCSs are within this criteria and data usability was not affected.
  - The recovery of radium-226 in the LCS from SDG 240- 235088-6 (140%) was outside of the laboratory acceptance limits (75-125%) due to the holding time nonconformance previously stated above. Therefore, the radium-226 results for samples MW-17-08 and MW-17-13 should be considered to be potentially biased high as summarized in the attached table, Attachment A.
- MS/MSD analyses were performed on sample MW-16-04S for total metals. The percent recoveries (%Rs) and relative percent differences (RPDs) were within acceptance criteria with the following exception.
  - The recoveries of calcium in the MS and MSD performed on sample MW-16-04S were outside of the laboratory acceptance limits. However, data usability was not affected since the concentration of calcium in the parent sample was greater than four times the spike concentration.

- A laboratory duplicate analysis was performed on sample MW-16-03 for TDS and sample MW-16-01 for radium-226 and radium-228. All criteria were met.
- Samples DUP-01/MW-16-03 and DUP-02/MW-17-14 were submitted as the field duplicate pairs with this data set; all criteria were met.
- Carrier recoveries were within 30-110%.
- RLs were compared to Tables 2-2 and 2-3, Groundwater Monitoring Parameters – Appendix III Parameters and Appendix IV Parameters (respectively), DTE Electric Company – River Rouge Power Plant, August 2017. The following discrepancies were noted:

The RLs met the project requirements and were deemed suitable for data usability.

Attachment A

Summary of Data Non-Conformances for Groundwater Analytical Data
DTE Electric Company River Rouge Power Plant (DTE RRPP)
River Rouge, Michigan

Samples	Collection Date	Analyte	Non-Conformance/Issue
MW-17-08	10/8/2025	Radium-226	Results are potentially biased high due to not undergoing the 21-day waiting period prior to analysis and due to high LCS recovery.
MW-17-13	10/8/2025		

Created by:	A. Jones	1/13/2026
Updated/QC'd by:	K. Morin	1/14/2026

Appendix D
Appendix IV Assessment Monitoring Statistical Evaluation – April 2025

1540 Eisenhower Pl.
Ann Arbor, MI 48108

T 734.971.7080

Technical Memorandum

Date:	January 30, 2026
To:	DTE Electric Company
From:	Sarah Holmstrom, TRC Kristin Lowery, TRC Henry Schnaidt, TRC
Project No.:	620071.0000.0000
Subject:	Appendix IV Assessment Monitoring Statistical Evaluation for April 2025 Groundwater Monitoring Event – DTE Electric Company, River Rouge Power Plant, Bottom Ash Basin Coal Combustion Residual Unit

Introduction

In accordance with §257.96(b) of the federal Coal Combustion Residual (CCR) rule[1], DTE Electric Company (DTE Electric) is continuing assessment monitoring for the River Rouge Power Plant (RRPP) Bottom Ash Basin (BAB) CCR unit. The first semiannual assessment monitoring event of 2025 for the Appendix III and Appendix IV constituents was conducted on April 28, 2025. In accordance with §257.95, the assessment monitoring data must be evaluated to determine whether or not Appendix IV constituents are detected at statistically significant levels above the groundwater protection standards (GWPSs). This memorandum presents the confidence limits derived for the Appendix IV parameters for the RRPP BAB CCR unit that will be used to compare to the established GWPSs.

Assessment Monitoring Statistical Evaluation

The downgradient wells utilized for the RRPP BAB CCR unit are MW-16-01, MW-16-02 and MW-16-03. Two additional downgradient wells, MW-17-16 and MW-17-17, were added to the monitoring program in 2024. For each detected constituent, the concentrations for each well were first compared directly to the GWPS. Parameter-well combinations that included a direct exceedance of the GWPS within the past eight monitoring events, or within the available dataset if less than eight events have been completed, were retained for further analysis.[2] As a result, the following parameter-well combinations were retained for further evaluation:

- Arsenic and lithium at MW-16-01
- Lithium at MW-16-02

[1] USEPA final rule for the regulation and management of Coal Combustion Residuals (CCR) under the Resource Conservation and Recovery Act (RCRA) published April 17, 2015, as amended.

[2] Although direct exceedances of the GWPS are observed at MW-17-16 (arsenic and lithium), there is insufficient data for statistical analysis as of the first semiannual event in 2025. This well will be included in the statistical analysis once a minimum of four data points are available

Groundwater data were then evaluated utilizing ChemStat™ statistical software. ChemStat™ is a software tool that is commercially available for performing statistical evaluation consistent with procedures outlined in U.S. EPA's Statistical Analysis of Groundwater Monitoring Data at Resource Conservation and Recovery Act (RCRA) Facilities[3] (Unified Guidance; UG). Within the ChemStat™ statistical program (per the UG), confidence limits were selected to perform the statistical comparison of compliance data to a fixed standard. Parametric and non-parametric confidence intervals were calculated for each of the applicable Appendix IV parameters using a 99 percent confidence level, i.e., a significance level (α) of 0.01. The following narrative describes the methods employed, the results obtained and the ChemStat™ output files are included as an attachment.

The ChemStat™ software was used to test compliance at the downgradient monitoring wells using the confidence interval method for the most recent eight sampling events. Eight independent sampling events provide the appropriate density of data as recommended per the UG yet are collected recently enough to provide an indication of current conditions. Nature and extent sampling was initiated in 2018; therefore, seven sampling events of data are available for evaluation.

The statistical data evaluation included the following steps:

- Review of data quality checklists for the assessment monitoring data sets for Appendix IV constituents;
- Evaluation of percentage of non-detects for each downgradient well-constituent pair;
- Graphical representation of the assessment monitoring data as time versus concentration (T v. C) by well/constituent pair;
- Outlier testing of individual data points that appear from the graphical representations as potential outliers;
- Evaluation of visual trends apparent in the graphical representations for statistical significance;
- Distribution of the data; and
- Calculation of the confidence intervals for each cumulative dataset.

The results of these evaluations are presented and discussed below.

Data Quality

Data from the first semiannual monitoring event for 2025 were evaluated for completeness, overall quality and usability, method-specified sample holding times, precision and accuracy, and potential sample contamination. The review was completed using the following quality control (QC) information which, at a minimum, included chain-of-custody forms, investigative sample results including blind field duplicates, and as provided by the laboratory, method blanks, laboratory control spikes, laboratory duplicates. The data were found to be complete and usable for the purposes of the CCR monitoring program.

[3] USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Conservation and Recovery. EPA 530/R-09-007.

Percentage of Non-detects

The percentage of non-detect observations for constituents with one or more detection above a GWPS is included in Table 1. Non-detect data was handled in accordance with the Stats Plan for the purposes of calculating confidence intervals.

Time versus Concentration Graphs

The time (T) vs. concentration (C) graphs did not show any potential outliers. The T vs. C graphs showed potential trending for some Appendix IV well/constituent pairs. These were tested by the ChemStat™ software to assess whether the trends are statistically significant.

Outlier Testing

No potential outliers were observed on the T vs. C graphs; therefore, no outlier testing was performed.

Trend Analysis

Visual trends apparent in the T vs. C graphs were evaluated in ChemStat™ using the Mann-Kendall Trend Analysis to determine if a subset of data should be used in calculating the confidence interval. Trends were evaluated using a 95-percent (two-tailed) confidence level, i.e., a significance level (α) of 0.025 per tail. A statistically significant decreasing trend was identified for arsenic at MW-16-01 as a result of pilot scale remedial injections completed in the area in November 2022. A statistically significant increasing trend for lithium at MW-16-02 was identified.

Distribution of the Data Sets

ChemStat™ was utilized to evaluate each data set for normality. If the skewness coefficient was calculated to be between negative one and one, then the data were assumed to be approximately normally distributed. If the skewness coefficient was calculated as greater than one or less than negative one, the calculation was performed on the natural log (Ln) of the data. If it was determined that the Ln of the data still appeared to be skewed, then the Shapiro-Wilk test of normality (Shapiro-Wilk) was performed. The Shapiro-Wilk statistic was calculated on both non-transformed data and the Ln-transformed data. If the Shapiro-Wilk statistic indicated that normal distributional assumptions were not valid, then the parameter was considered a candidate for non-parametric statistical evaluation. The data distributions are summarized in Table 1.

Confidence Intervals

Variability is recognized in the data set due to changing groundwater quality in response to the operation of the groundwater extraction system and as a result of pilot study activities influencing select areas. Calculating a confidence interval around a trending data set incorporates not only variability present naturally in the underlying dataset but can exaggerate variability. Groundwater conditions are re-equilibrating following shutdown of the extraction system and pilot test activities at the BAB in late 2022 and 2023. Because hydrogeologic conditions are in the process of stabilizing, temporary trending and sporadic outlier data are not unexpected. Therefore, all data is used in the statistical evaluation.

Table 1 presents the calculated confidence intervals for each well-constituent pair. For normal and lognormal distributions, confidence intervals are calculated for 99 percent confidence using parametric methods. For non-normal datasets, a nonparametric confidence interval is utilized, resulting in the

highest and lowest values from the contributing dataset as the confidence limits.

The confidence intervals calculated through the above-described process will be compared to the GWPS to determine if an exceedance has occurred. An exceedance of the standard occurs when the lower 99 percent confidence level of the downgradient data exceeds the corresponding GWPS. No exceedances of the GWPS were identified based on the first semiannual assessment monitoring event.

Attachments

Table 1 Summary of Descriptive Statistics and Confidence Interval Calculations

Attachment A ChemStat™ Outputs

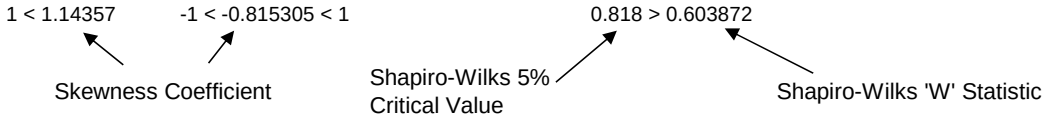
Table 1
Summary of Descriptive Statistics and Confidence Interval Calculations

Table 1

Summary of Descriptive Statistics and Confidence Interval Calculations
Assessment Monitoring Statistical Evaluation - April 2025
DTE Electric Company – River Rouge Power Plant

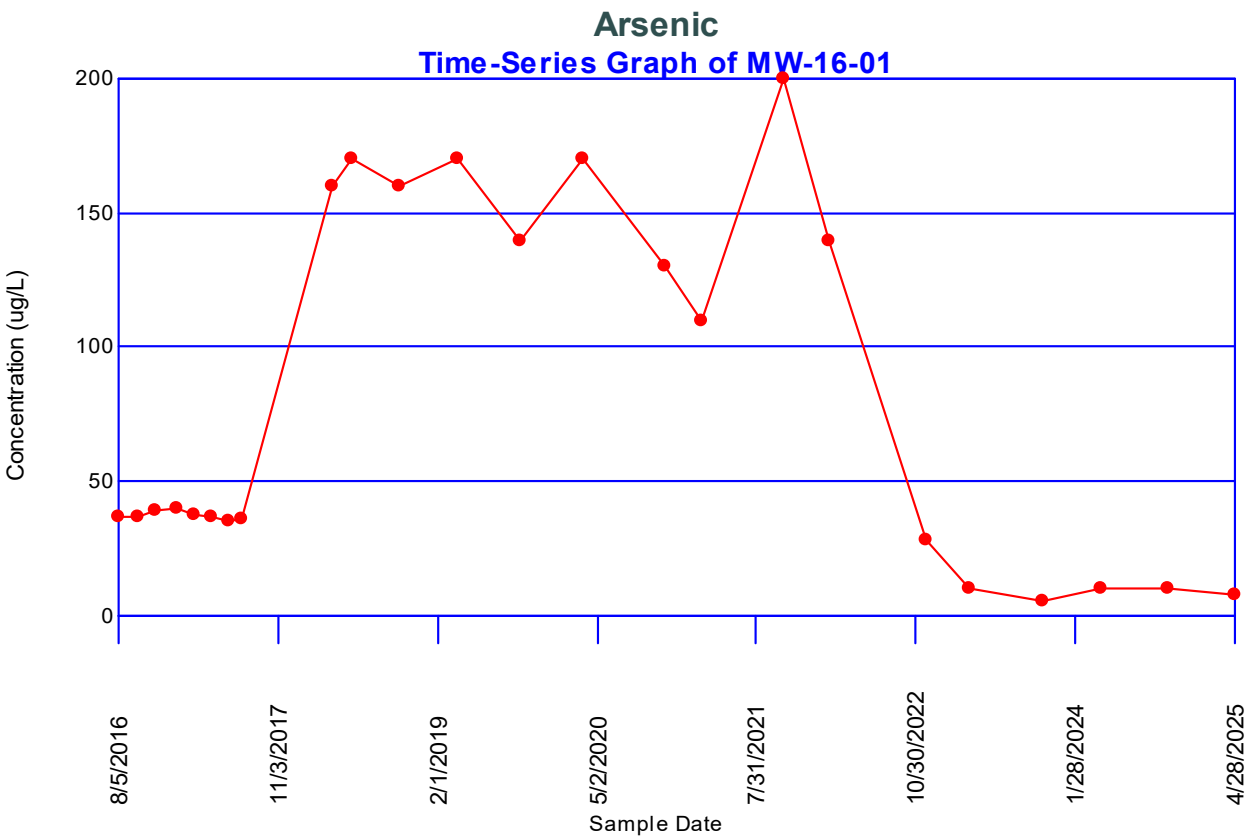
Parameter[1]	Percent Non-Detect	Outliers?	Trend?	Skewness		Shapiro-Wilks Test (5% Critical Value)		Parametric / Non-Parametric	99% Confidence Interval[2]
				Un-Transformed	Natural Log	Un-Transformed	Natural Log		
Compliance Monitoring Wells									
MW-16-01									
Arsenic	0%	No	Yes	1 < 1.27993	-1 < 0.829616 < 1	--	--	Parametric	[4.8, 89]
Lithium	0%	No	No	-1 < 0.762512 < 1	--	--	--	Parametric	[36, 65]
MW-16-02									
Lithium	0%	No	Yes	-1 < 0.304008 < 1	--	--	--	Parametric	[12, 48]
MW-17-16									
Arsenic	Insufficient data for statistical evaluation - n < 4								
Lithium	Insufficient data for statistical evaluation - n < 4								

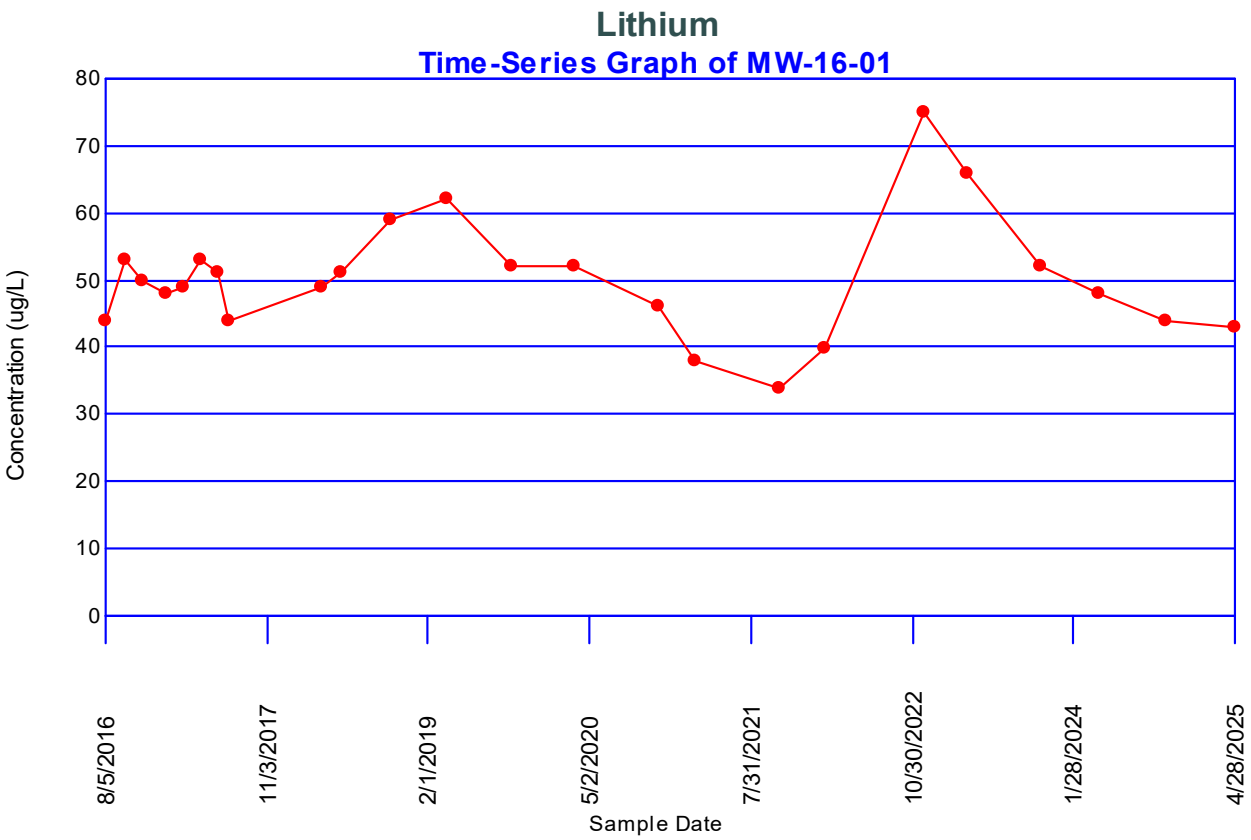
Notes:

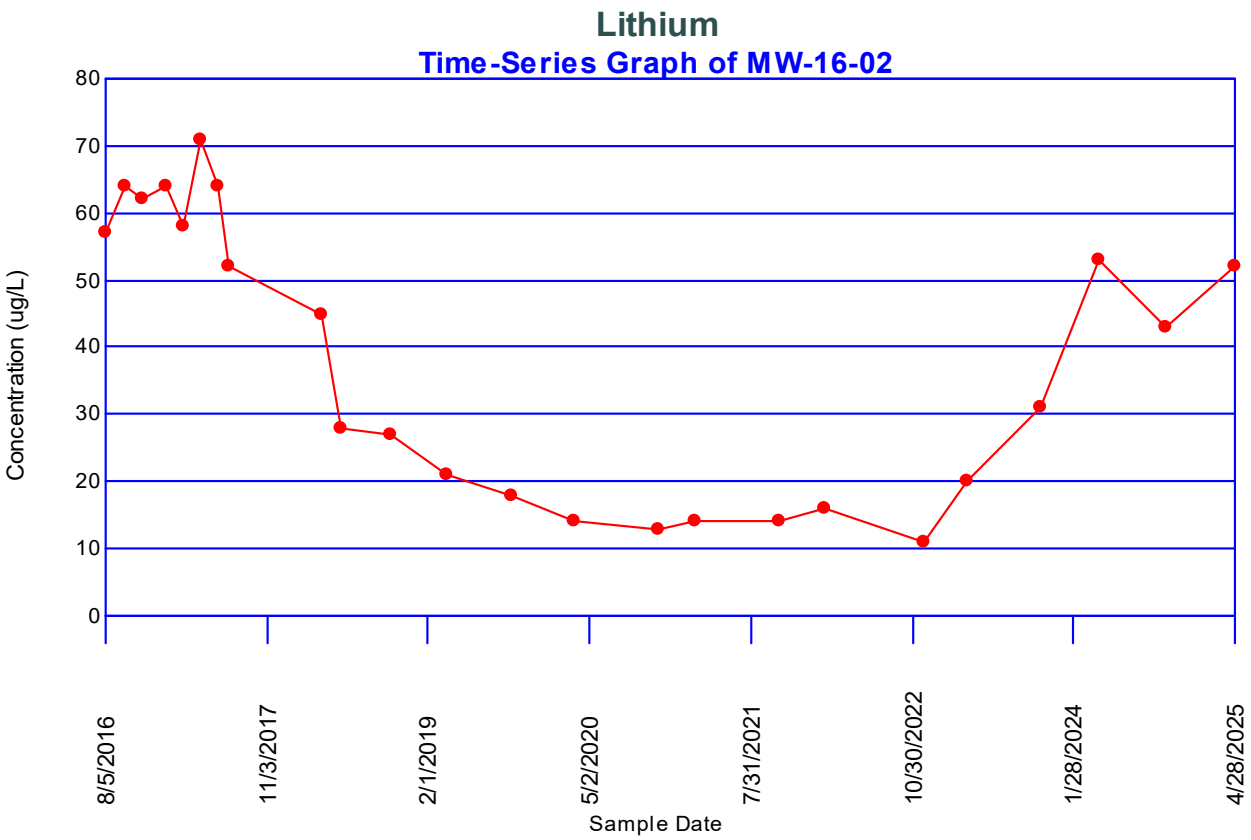


(1) Well-parameter combinations that have one or more direct exceedances of the Groundwater Protection Standard within the most recent eight sampling events.
(2) The most recent eight data points are used to calculate the confidence interval to be representative of current conditions, except where noted.

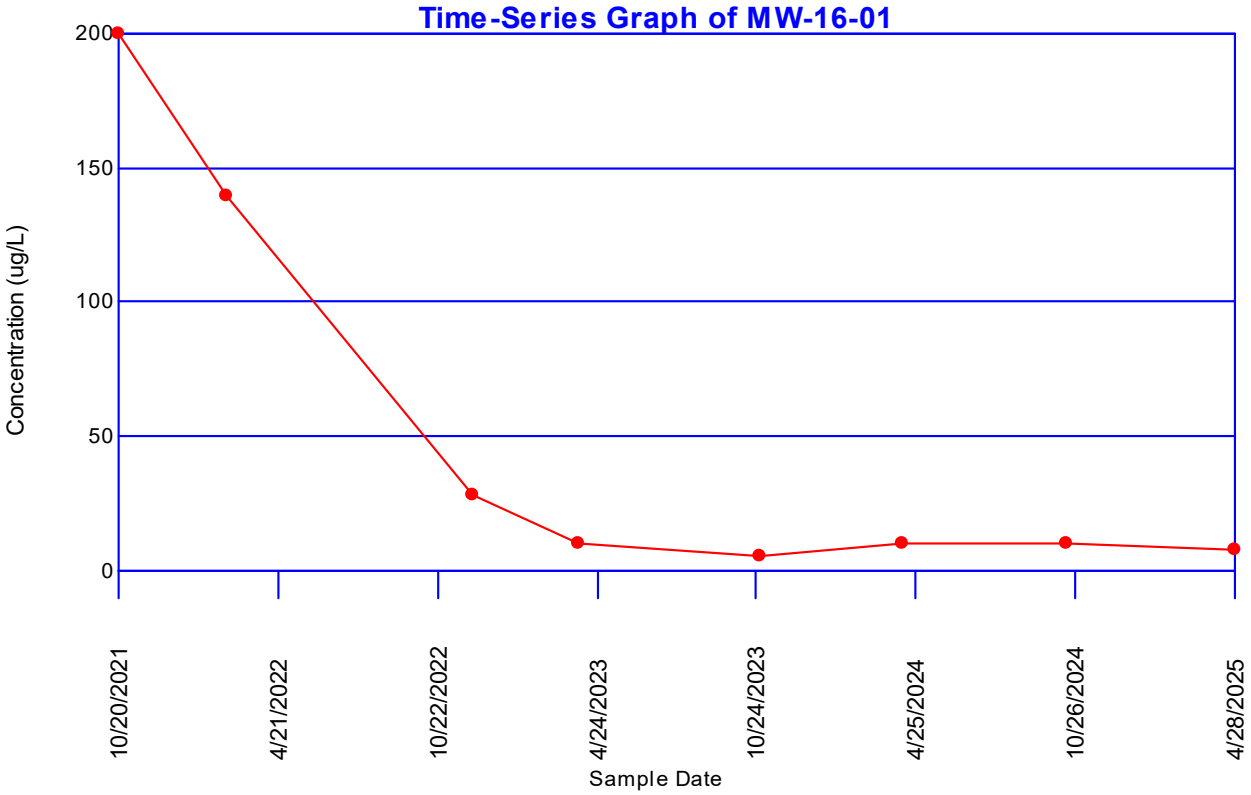
Attachment A
ChemStat™ Confidence Interval Outputs


Arsenic
Time-Series Graph of MW-16-01
Concentration (ug/L)
200
150
100
50
0
8/5/2016
11/3/2017
2/1/2019
5/2/2020
7/31/2021
10/30/2022
1/28/2024
4/28/2025
Sample Date

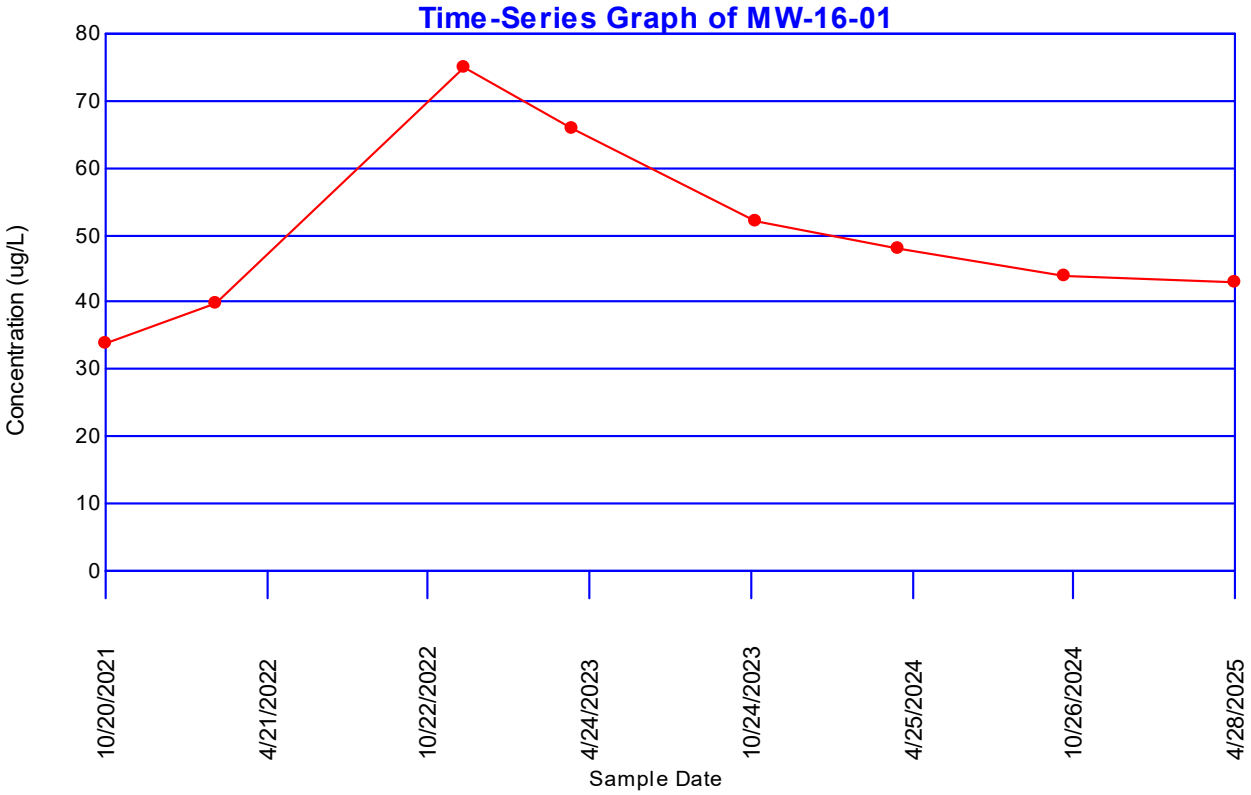

Lithium
Time-Series Graph of MW-16-01
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
8/5/2016
11/3/2017
2/1/2019
5/2/2020
7/31/2021
10/30/2022
1/28/2024
4/28/2025
Sample Date

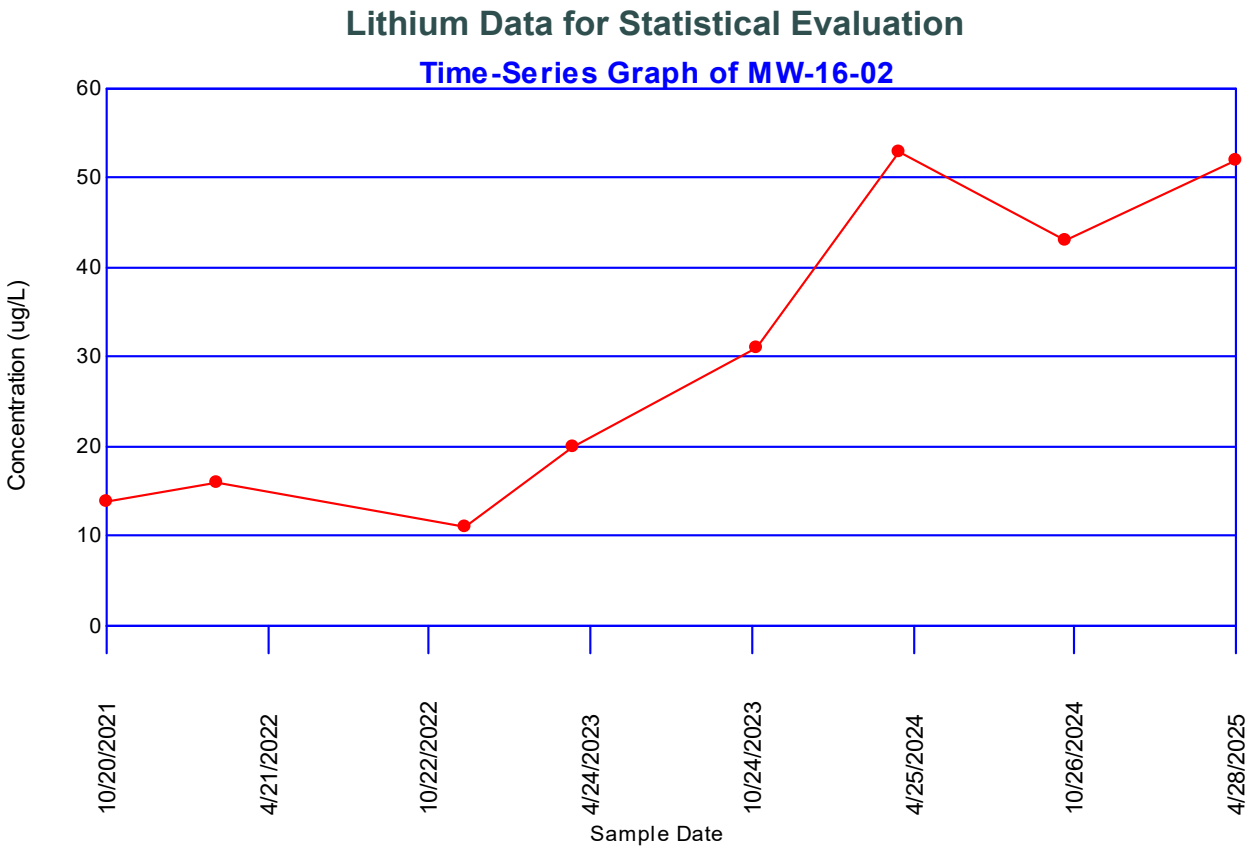

Lithium
Time-Series Graph of MW-16-02
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
8/5/2016
11/3/2017
2/1/2019
5/2/2020
7/31/2021
10/30/2022
1/28/2024
4/28/2025
Sample Date

Arsenic Data for Statistical Evaluation



Lithium Data for Statistical Evaluation




Lithium Data for Statistical Evaluation
Time-Series Graph of MW-16-02
Concentration (ug/L)
60
50
40
30
20
10
0
10/20/2021
4/21/2022
10/22/2022
4/24/2023
10/24/2023
4/25/2024
10/26/2024
4/28/2025
Sample Date

Concentrations (ug/L)

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 24
Total Non-Detect: 14
Percent Non-Detects: 58.3333%
Total Background Measurements: 0
There are 0 background locations

Loc.	Meas.	ND	Date	Conc.	Original

There are 3 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-16-01	8	0 (0%)	10/20/2021	200	200
			2/22/2022	140	140
			12/1/2022	28	28
			4/3/2023	10	10
			10/30/2023	5.2	5.2
			4/10/2024	10	10
			10/16/2024	10	10
			4/28/2025	8.2	8.2
			8/5/2016	**37**	**37**
			9/30/2016	**37**	**37**
			11/18/2016	**39**	**39**
			1/20/2017	**40**	**40**
			3/10/2017	**38**	**38**
			4/28/2017	**37**	**37**
			6/16/2017	**35**	**35**
			7/21/2017	**36**	**36**
			4/6/2018	**160**	**160**
			5/30/2018	**170**	**170**
			10/16/2018	**160**	**160**
			3/29/2019	**170**	**170**
			9/26/2019	**140**	**140**
			3/20/2020	**170**	**170**
			11/11/2020	**130**	**130**
			2/25/2021	**110**	**110**
MW-16-02	8	7 (87.5%)	10/20/2021	ND<5 U	ND<5 U
			2/22/2022	2.4	2.4
			12/1/2022	ND<5	ND<5
			4/3/2023	ND<5 U	ND<5 U
			10/30/2023	ND<5 U	ND<5 U
			4/10/2024	ND<5 U	ND<5 U
			10/16/2024	ND<5 U	ND<5 U
			4/28/2025	ND<5 U	ND<5 U
			8/5/2016	**24**	**24**
			9/30/2016	**27**	**27**
			11/18/2016	**30**	**30**
			1/20/2017	**31**	**31**
			3/10/2017	**29**	**29**
			4/28/2017	**30**	**30**
			6/16/2017	**30**	**30**
			7/21/2017	**27**	**27**
			4/6/2018	**15**	**15**
			5/30/2018	**ND<5 U**	**ND<5 U**
			10/16/2018	**7.9**	**7.9**
			3/29/2019	**ND<5 U**	**ND<5 U**
			9/26/2019	**ND<5 U**	**ND<5 U**
			3/20/2020	**ND<5 U**	**ND<5 U**
			11/11/2020	**ND<5 U**	**ND<5 U**
			2/25/2021	**2.6**	**2.6**

MW-16-03	8	7 (87.5%)	10/20/2021	ND<5 U	ND<5 U
			2/22/2022	0.36 J	0.36 J
			11/30/2022	ND<5	ND<5
			4/3/2023	ND<5 U	ND<5 U
			10/30/2023	ND<5 U	ND<5 U
			4/10/2024	ND<5 U	ND<5 U
			10/16/2024	ND<5 U	ND<5 U
			4/28/2025	ND<5 U	ND<5 U
			8/5/2016	**91**	**91**
			9/30/2016	**40**	**40**
			11/18/2016	**21**	**21**
			1/20/2017	**13**	**13**
			3/10/2017	**12**	**12**
			4/28/2017	**12**	**12**
			6/16/2017	**12**	**12**
			7/21/2017	**12**	**12**
			4/6/2018	**ND<5 U**	**ND<5 U**
			5/30/2018	**ND<5 U**	**ND<5 U**
			10/16/2018	**ND<5 U**	**ND<5 U**
			3/29/2019	**ND<5 U**	**ND<5 U**
			9/26/2019	**ND<5 U**	**ND<5 U**
			3/20/2020	**ND<5 U**	**ND<5 U**
			11/11/2020	**ND<5 U**	**ND<5 U**
			2/25/2021	**ND<5**	**ND<5**

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original

Concentrations (ug/L)

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 24
Total Non-Detect: 2
Percent Non-Detects: 8.33333%
Total Background Measurements: 0
There are 0 background locations

Loc.	Meas.	ND	Date	Conc.	Original

There are 3 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-16-01	8	0 (0%)	10/20/2021	34	34
			2/22/2022	40	40
			12/1/2022	75	75
			4/3/2023	66	66
			10/30/2023	52	52
			4/10/2024	48	48
			10/16/2024	44	44
			4/28/2025	43	43
			8/5/2016	**44**	**44**
			9/30/2016	**53**	**53**
			11/18/2016	**50**	**50**
			1/20/2017	**48**	**48**
			3/10/2017	**49**	**49**
			4/28/2017	**53**	**53**
			6/16/2017	**51**	**51**
			7/21/2017	**44**	**44**
			4/6/2018	**49**	**49**
			5/30/2018	**51**	**51**
			10/16/2018	**59**	**59**
			3/29/2019	**62**	**62**
			9/26/2019	**52**	**52**
			3/20/2020	**52**	**52**
			11/11/2020	**46**	**46**
			2/25/2021	**38**	**38**
MW-16-02	8	0 (0%)	10/20/2021	14	14
			2/22/2022	16	16
			12/1/2022	11	11
			4/3/2023	20	20
			10/30/2023	31	31
			4/10/2024	53	53
			10/16/2024	43	43
			4/28/2025	52	52
			8/5/2016	**57**	**57**
			9/30/2016	**64**	**64**
			11/18/2016	**62**	**62**
			1/20/2017	**64**	**64**
			3/10/2017	**58**	**58**
			4/28/2017	**71**	**71**
			6/16/2017	**64**	**64**
			7/21/2017	**52**	**52**
			4/6/2018	**45**	**45**
			5/30/2018	**28**	**28**
			10/16/2018	**27**	**27**
			3/29/2019	**21**	**21**
			9/26/2019	**18**	**18**
			3/20/2020	**14**	**14**
			11/11/2020	**13**	**13**
			2/25/2021	**14**	**14**

MW-16-03	8	2 (25%)	10/20/2021	ND<8 U	ND<8 U
			2/22/2022	7.9	7.9
			11/30/2022	ND<8	ND<8
			4/3/2023	8.8	8.8
			10/30/2023	8.8	8.8
			4/10/2024	11	11
			10/16/2024	10	10
			4/28/2025	11	11
			8/5/2016	**29**	**29**
			9/30/2016	**44**	**44**
			11/18/2016	**44**	**44**
			1/20/2017	**49**	**49**
			3/10/2017	**45**	**45**
			4/28/2017	**51**	**51**
			6/16/2017	**49**	**49**
			7/21/2017	**41**	**41**
			4/6/2018	**15**	**15**
			5/30/2018	**11**	**11**
			10/16/2018	**ND<8 U**	**ND<8 U**
			3/29/2019	**ND<8 U**	**ND<8 U**
			9/26/2019	**ND<8 U**	**ND<8 U**
			3/20/2020	**ND<8 U**	**ND<8 U**
			11/11/2020	**ND<8 U**	**ND<8 U**
			2/25/2021	**4.8**	**4.8**

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original

Mann-Kendall Trend Analysis

Parameter: Arsenic
Location: MW-16-01
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

95% Confidence Level

Xj	Xk	Xj - Xk	Positives	Negatives
140	200	-60	0	1
28	200	-172	0	2
10	200	-190	0	3
5.2	200	-194.8	0	4
10	200	-190	0	5
10	200	-190	0	6
8.2	200	-191.8	0	7
28	140	-112	0	8
10	140	-130	0	9
5.2	140	-134.8	0	10
10	140	-130	0	11
10	140	-130	0	12
8.2	140	-131.8	0	13
10	28	-18	0	14
5.2	28	-22.8	0	15
10	28	-18	0	16
10	28	-18	0	17
8.2	28	-19.8	0	18
5.2	10	-4.8	0	19
10	10	0	0	19
10	10	0	0	19
8.2	10	-1.8	0	20
10	5.2	4.8	1	20
10	5.2	4.8	2	20
8.2	5.2	3	3	20
10	10	0	3	20
8.2	10	-1.8	3	21
8.2	10	-1.8	3	22

S Statistic = 3 - 22 = -19
Comparing at 1.0 - (0.05 / 2) = 97.5% confidence level (two-tailed)
Failed to calculate probability for S = -19
Table out of range

Probability of obtaining S >= 19 is 0.01155
S < 0 and 0.01155 < 0.05 indicating evidence of an downward trend

Mann-Kendall Trend Analysis

Parameter: Lithium

Location: MW-16-01

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

95% Confidence Level

Xj	Xk	Xj - Xk	Positives	Negatives
40	34	6	1	0
75	34	41	2	0
66	34	32	3	0
52	34	18	4	0
48	34	14	5	0
44	34	10	6	0
43	34	9	7	0
75	40	35	8	0
66	40	26	9	0
52	40	12	10	0
48	40	8	11	0
44	40	4	12	0
43	40	3	13	0
66	75	-9	13	1
52	75	-23	13	2
48	75	-27	13	3
44	75	-31	13	4
43	75	-32	13	5
52	66	-14	13	6
48	66	-18	13	7
44	66	-22	13	8
43	66	-23	13	9
48	52	-4	13	10
44	52	-8	13	11
43	52	-9	13	12
44	48	-4	13	13
43	48	-5	13	14
43	44	-1	13	15

S Statistic = 13 - 15 = -2
Comparing at 1.0 - (0.05 / 2) = 97.5% confidence level (two-tailed)
Probability of obtaining S >= |-2| is 0.904
0.904 >= 0.025 indicating no evidence of a trend

Mann-Kendall Trend Analysis

Parameter: Lithium

Location: MW-16-02

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

95% Confidence Level

Xj	Xk	Xj - Xk	Positives	Negatives
16	14	2	1	0
11	14	-3	1	1
20	14	6	2	1
31	14	17	3	1
53	14	39	4	1
43	14	29	5	1
52	14	38	6	1
11	16	-5	6	2
20	16	4	7	2
31	16	15	8	2
53	16	37	9	2
43	16	27	10	2
52	16	36	11	2
20	11	9	12	2
31	11	20	13	2
53	11	42	14	2
43	11	32	15	2
52	11	41	16	2
31	20	11	17	2
53	20	33	18	2
43	20	23	19	2
52	20	32	20	2
53	31	22	21	2
43	31	12	22	2
52	31	21	23	2
43	53	-10	23	3
52	53	-1	23	4
52	43	9	24	4

S Statistic = 24 - 4 = 20

Comparing at 1.0 - (0.05 / 2) = 97.5% confidence level (two-tailed)

Probability of obtaining S >= |20| is 0.0142

0.0142 < 0.05 indicating a trend

S > 0 , indicating evidence for an upward trend

Skewness Coefficient

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-01	8	51.425	75.2349	**1.27993**
MW-16-02	8	2.4875	0.0353553	**-2.26779**
MW-16-03	8	2.2325	0.756604	**-2.26779**

All Locations

Obs.	Mean	Std. Dev.	Skewness
24	18.715	47.761	**3.12544**

Skewness Coefficient

Parameter: Arsenic

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-01	8	3.02909	1.37548	0.829616
MW-16-02	8	0.911188	0.0144328	**-2.26779**
MW-16-03	8	0.674048	0.685166	**-2.26779**

All Locations

Obs.	Mean	Std. Dev.	Skewness
24	1.53811	1.37418	**1.36**

Skewness Coefficient

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-01	8	50.25	13.7815	0.762512
MW-16-02	8	30	17.304	0.304008
MW-16-03	8	8.1875	2.80328	-0.665338

All Locations

Obs.	Mean	Std. Dev.	Skewness
24	29.4792	21.4281	0.453045

Confidence Interval

Parameter: Arsenic

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Compliance Locations

Location	**MW-16-01**
Mean	3.02909
Std Dev	1.37548
Degrees of Freedom	7
Comparison Level	**3.46574**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[1.57117, 4.48701]	3.02909	FALSE
95%	1.89458	[2.10774, 3.95044]	3.02909	FALSE

Location	**MW-16-02**
Mean	0.911188
Std Dev	0.0144328
Degrees of Freedom	7
Comparison Level	**3.46574**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[0.89589, 0.926486]	0.911188	FALSE
95%	1.89458	[0.90152, 0.920856]	0.911188	FALSE

Location	**MW-16-03**
Mean	0.674048
Std Dev	0.685166
Degrees of Freedom	7
Comparison Level	**3.46574**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[-0.0521835, 1.40028]	0.674048	FALSE
95%	1.89458	[0.2151, 1.133]	0.674048	FALSE

Confidence Interval

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Compliance Locations

Location	**MW-16-01**
Mean	50.25
Std Dev	13.7815
Degrees of Freedom	7
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[35.6425, 64.8575]	50.25	FALSE
95%	1.89458	[41.0187, 59.4813]	50.25	**TRUE**

Location	**MW-16-02**
Mean	30
Std Dev	17.304
Degrees of Freedom	7
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[11.6589, 48.3411]	30	FALSE
95%	1.89458	[18.4092, 41.5908]	30	FALSE

Location	**MW-16-03**
Mean	8.1875
Std Dev	2.80328
Degrees of Freedom	7
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[5.2162, 11.1588]	8.1875	FALSE
95%	1.89458	[6.30977, 10.0652]	8.1875	FALSE

Appendix E
Appendix IV Assessment Monitoring Statistical Evaluation – October 2025

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Technical Memorandum

Date:	January 30, 2026
To:	DTE Electric Company
From:	Sarah Holmstrom, TRC Kristin Lowery, TRC
Project No.:	620071.0000.0000
Subject:	Appendix IV Assessment Monitoring Statistical Evaluation for October 2025 Groundwater Monitoring Event – DTE Electric Company, River Rouge Power Plant, Bottom Ash Basin Coal Combustion Residual Unit

Introduction

In accordance with §257.96(b) of the federal Coal Combustion Residual (CCR) rule[1], DTE Electric Company (DTE Electric) is continuing assessment monitoring for the River Rouge Power Plant (RRPP) Bottom Ash Basin (BAB) CCR unit. The second semiannual assessment monitoring event of 2025 for the Appendix III and Appendix IV constituents was conducted on October 7, 2025. In accordance with §257.95, the assessment monitoring data must be evaluated to determine whether or not Appendix IV constituents are detected at statistically significant levels above the groundwater protection standards (GWPSs). This memorandum presents the confidence limits derived for the Appendix IV parameters for the RRPP BAB CCR unit that will be used to compare to the established GWPSs.

Assessment Monitoring Statistical Evaluation

The five downgradient wells utilized for the RRPP BAB CCR unit are MW-16-01, MW-16-02, MW-16-03, MW-17-16, and MW-17-17. Additionally, monitoring wells MW-16-04S, MW-17-05, MW-17-14, MW-17-15, MW-17-18, and MW-17-20 are used to evaluate the nature and extent of releases of CCR constituents in groundwater as well as any site conditions that may affect the remedy selected. Following the semiannual assessment monitoring sampling event, compliance and nature and extent well data for the RRPP BAB were evaluated in accordance with the Groundwater Statistical Evaluation Plan (Stats Plan) (TRC, October 2017; revised December 2017). For each detected constituent, the concentrations for each well were first compared directly to the GWPS. Parameter-well combinations that included a direct exceedance of the GWPS within the past eight monitoring events, or within the available dataset if less than eight events have been completed[2], were retained for further analysis. As a result, the following parameter-well combinations were retained for further evaluation:

[1] USEPA final rule for the regulation and management of Coal Combustion Residuals (CCR) under the Resource Conservation and Recovery Act (RCRA) published April 17, 2015, as amended.

[2] Eight independent sampling events provide the appropriate density of data as recommended per the Unified Guidance (UG) yet are collected recently enough to provide an indication of current conditions. Downgradient monitoring wells MW-17-16 and MW-17-17 were incorporated into the monitoring program in 2024 to further assess groundwater concentrations; therefore, four sampling events are available for analysis.

- Arsenic and lithium at MW-16-01
- Lithium at MW-16-02
- Arsenic and lithium at MW-17-16
- Lithium at MW-17-05
- Lithium and radium 226/228 at MW-17-14
- Arsenic and lithium at MW-17-15

Groundwater data were then evaluated utilizing ChemStat™ statistical software. ChemStat™ is a software tool that is commercially available for performing statistical evaluation consistent with procedures outlined in USEPA's Statistical Analysis of Groundwater Monitoring Data at Resource Conservation and Recovery Act (RCRA) Facilities[3] (Unified Guidance; UG). Within the ChemStat™ statistical program (per the UG), confidence limits were selected to perform the statistical comparison of compliance data to a fixed standard. Parametric and non-parametric confidence intervals were calculated for each of the applicable Appendix IV parameters using a 99 percent confidence level, i.e., a significance level (α) of 0.01. The following narrative describes the methods employed, the results obtained and the ChemStat™ output files are included as an attachment.

The statistical data evaluation included the following steps:

- Evaluation of percentage of non-detects for each downgradient well-constituent pair;
- Graphical representation of the assessment monitoring data as time versus concentration (T v. C) by well/constituent pair;
- Outlier testing of individual data points that appear from the graphical representations as potential outliers;
- Evaluation of visual trends apparent in the graphical representations for statistical significance;
- Distribution of the data; and
- Calculation of the confidence intervals for each cumulative dataset.

The results of these evaluations are presented and discussed below.

Percentage of Non-detects

The percentage of non-detect observations for constituents with one or more detection above a GWPS is included in Table 1. Non-detect data was handled in accordance with the Stats Plan for the purposes of calculating confidence intervals.

Time versus Concentration Graphs

The time (T) vs. concentration (C) graphs are included in Attachment 1. The T vs. C graphs showed potential outliers and trending for some Appendix IV well/constituent pairs.

[3] USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Conservation and Recovery. EPA 530/R-09-007.

Outlier Testing

A potential statistical outlier (high value) was identified for arsenic at MW-16-01 in February 2022 when considering only the eight sampling events. Review of the full available dataset (2016-2025) indicates that this data point is consistent with the rest of the data. A pilot test for the treatment of arsenic was implemented in the vicinity of MW-16-01 in November 2022, which resulted in a rapid decline in arsenic concentrations and concentrations in 2023-2025 were lower than previous. Therefore, the February 2022 data point accurately represents conditions at the time of the sampling event and is not considered an outlier.

Trend Analysis

Visual trends apparent in the T vs. C graphs were evaluated in ChemStat™ using the Mann-Kendall Trend Analysis to determine if a subset of data should be used in calculating the confidence interval. Trends were evaluated using a 90-percent (two-tailed) confidence level, i.e., a significance level (α) of 0.05 per tail. Statistically significant increasing trends for lithium at MW-16-02 and MW-17-05 were identified as a result; these trends are the result of the discontinuation of the groundwater extraction system in September 2022.

Distribution of the Data Sets

ChemStat™ was utilized to evaluate each data set for normality. If the skewness coefficient was calculated to be between negative one and one, then the data were assumed to be approximately normally distributed. If the skewness coefficient was calculated as greater than one or less than negative one, the calculation was performed on the natural log (Ln) of the data. If it was determined that the Ln of the data still appeared to be skewed, then the Shapiro-Wilk test of normality (Shapiro-Wilk) was performed. The Shapiro-Wilk statistic was calculated on both non-transformed data and the Ln-transformed data. If the Shapiro-Wilk statistic indicated that normal distributional assumptions were not valid, then the parameter was considered a candidate for non-parametric statistical evaluation. The data distributions are summarized in Table 1.

Confidence Intervals

Variability is recognized in the data set due to changing groundwater quality in response to the operation of the groundwater extraction system and as a result of pilot study activities influencing select areas. Calculating a confidence interval around a trending data set incorporates not only variability present naturally in the underlying dataset but can exaggerate variability. Groundwater conditions are re-equilibrating following shutdown of the extraction system and pilot test activities at the BAB in late 2022 and 2023. Because hydrogeologic conditions are in the process of stabilizing, temporary trending and sporadic outlier data are not unexpected. Therefore, all data is used in the statistical evaluation.

Table 1 presents the calculated confidence intervals for each well-constituent pair. For normal and lognormal distributions, confidence intervals are calculated for 99 percent confidence using parametric methods. For non-normal datasets, a nonparametric confidence interval is utilized, resulting in the highest and lowest values from the contributing dataset as the confidence limits.

The confidence intervals calculated through the above-described process will be compared to the GWPS to determine if an exceedance has occurred. An exceedance of the standard occurs when the lower 99 percent confidence level of the downgradient data exceeds the corresponding GWPS. The following statistically significant exceedances of the GWPS were identified based on the second semiannual assessment monitoring event:

- Lithium at MW-17-16.

Attachments

Table 1 Summary of Descriptive Statistics and Confidence Interval Calculations

Attachment 1 Downgradient Wells ChemStat™ Outputs
Attachment 2 Nature and Extent Wells ChemStat™ Outputs

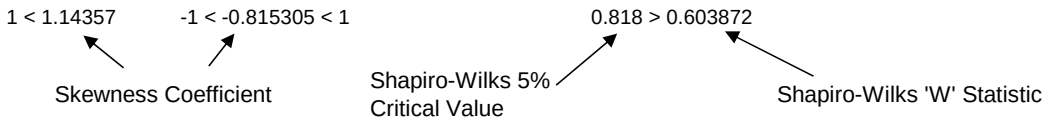
Table

Table 1

Summary of Descriptive Statistics and Confidence Interval Calculations
Assessment Monitoring Statistical Evaluation - October 2025
DTE Electric Company – River Rouge Power Plant

Parameter[1]	Percent Non-Detect	Outliers?	Trend?	Skewness		Shapiro-Wilks Test (5% Critical Value)		Parametric / Non-Parametric	99% Confidence Interval[2]
				Un-Transformed	Natural Log	Un-Transformed	Natural Log		
Compliance Monitoring Wells									
MW-16-01									
Arsenic	0%	N	N	1 < 2.17228	1 < 1.44459	0.818 > 0.532934	0.818 > 0.798737	Non-Parametric	[5.2, 140]
Lithium	0%	N	N	-1 < 0.989903 < 1	--	--	--	Parametric	[37, 65]
MW-16-02									
Lithium	0%	N	Y	-1 < -0.122398 < 1	--	--	--	Parametric	[16, 50]
MW-17-16									
Arsenic	0%	N	N	-1 < -0.668046 < 1	--	--	--	Parametric	[32, 140]
Lithium	0%	N	N	-1 < -0.176533 < 1	--	--	--	Parametric	[43, 64]
Nature and Extent Monitoring Wells									
MW-17-05									
Lithium	0%	N	Y	-1 < 0.458354 < 1	--	--	--	Parametric	[7.6, 40]
MW-17-14									
Lithium	13%	N	N	1 < 1.17931	-1 < -0.774051 < 1	--	--	Parametric	[7.8, 35]
Radium 226/228[3]	29%	N	N	-1 < 0.724206 < 1	--	--	--	Parametric	[-0.48, 5.1]
MW-17-15									
Arsenic	0%	N	N	-1 < 0.32082 < 1	--	--	--	Parametric	[11, 28]
Lithium	0%	N	N	1 < 1.31811	-1 < 0.710927 < 1	--	--	Parametric	[29, 58]

Notes:



(1) Well-parameter combinations that have one or more direct exceedances of the Groundwater Protection Standard within the most recent eight sampling events.
(2) The most recent eight data points are used to calculate the confidence interval to be representative of current conditions, except where noted.
(3) The most recent seven data points are used to screen for direct exceedances of the Groundwater Protection Standards and for calculation of the confidence intervals.

Attachment 1
Downgradient Wells ChemStat™ Outputs

Threshold Report

Parameter: Antimony

Threshold is 6

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	4	4 (100%)		
MW-16-02	4	4 (100%)		
MW-16-03	4	4 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Threshold Report

Parameter: Arsenic

Threshold is 32

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	8	0 (0%)	2/22/2022	140
MW-16-02	8	7 (87.5%)		
MW-16-03	8	8 (100%)		
MW-17-16	4	0 (0%)	4/10/2024 10/16/2024 4/28/2025 10/7/2025	54 99 87 110
MW-17-17	4	4 (100%)		

Threshold Report

Parameter: Barium

Threshold is 2000

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	8	0 (0%)		
MW-16-02	8	0 (0%)		
MW-16-03	8	0 (0%)		
MW-17-16	4	0 (0%)		
MW-17-17	4	0 (0%)		

Threshold Report

Parameter: Beryllium

Threshold is 4

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	4	4 (100%)		
MW-16-02	4	4 (100%)		
MW-16-03	4	4 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Threshold Report

Parameter: Cadmium

Threshold is 5

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	5	5 (100%)		
MW-16-02	5	5 (100%)		
MW-16-03	5	5 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Threshold Report

Parameter: Chromium

Threshold is 100

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	5	5 (100%)		
MW-16-02	5	5 (100%)		
MW-16-03	5	5 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Threshold Report

Parameter: Cobalt

Threshold is 23

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	8	8 (100%)		
MW-16-02	8	8 (100%)		
MW-16-03	8	8 (100%)		
MW-17-16	4	4 (100%)		
MW-17-17	4	4 (100%)		

Threshold Report

Parameter: Fluoride

Threshold is 4

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	8	0 (0%)		
MW-16-02	8	0 (0%)		
MW-16-03	8	0 (0%)		
MW-17-16	4	0 (0%)		
MW-17-17	4	0 (0%)		

Threshold Report

Parameter: Lead

Threshold is 15

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	5	5 (100%)		
MW-16-02	5	5 (100%)		
MW-16-03	5	5 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Threshold Report

Parameter: Lithium

Threshold is 40

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	8	0 (0%)	2/22/2022 12/1/2022 4/3/2023 10/30/2023 4/10/2024 10/16/2024 4/28/2025 10/7/2025	40 75 66 52 48 44 43 41
MW-16-02	8	0 (0%)	4/10/2024 10/16/2024 4/28/2025 10/7/2025	53 43 52 41
MW-16-03	8	1 (12.5%)		
MW-17-16	4	0 (0%)	4/10/2024 10/16/2024 4/28/2025 10/7/2025	48 55 53 59
MW-17-17	4	0 (0%)		

Threshold Report

Parameter: Mercury

Threshold is 2

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	4	4 (100%)		
MW-16-02	4	4 (100%)		
MW-16-03	4	4 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Threshold Report

Parameter: Molybdenum
Threshold is 100
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	8	5 (62.5%)		
MW-16-02	8	7 (87.5%)		
MW-16-03	8	8 (100%)		
MW-17-16	4	4 (100%)		
MW-17-17	4	4 (100%)		

Threshold Report

Parameter: Radium-226/228

Threshold is 5

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	7	2 (28.5714%)		
MW-16-02	7	0 (0%)		
MW-16-03	7	0 (0%)		
MW-17-16	4	1 (25%)		
MW-17-17	4	1 (25%)		

Threshold Report

Parameter: Selenium

Threshold is 50

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	5	5 (100%)		
MW-16-02	5	5 (100%)		
MW-16-03	5	5 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Threshold Report

Parameter: Thallium

Threshold is 2

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 5 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-01	4	4 (100%)		
MW-16-02	4	4 (100%)		
MW-16-03	4	4 (100%)		
MW-17-16	2	2 (100%)		
MW-17-17	2	2 (100%)		

Concentrations (ug/L)

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 32
Total Non-Detect: 19
Percent Non-Detects: 59.375%
Total Background Measurements: 0
There are 0 background locations

Loc.	Meas.	ND	Date	Conc.	Original

There are 5 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-16-01	8	0 (0%)	2/22/2022	140	140
			12/1/2022	28	28
			4/3/2023	10	10
			10/30/2023	5.2	5.2
			4/10/2024	10	10
			10/16/2024	10	10
			4/28/2025	8.2	8.2
			10/7/2025	13	13
			8/5/2016	**37**	**37**
			9/30/2016	**37**	**37**
			11/18/2016	**39**	**39**
			1/20/2017	**40**	**40**
			3/10/2017	**38**	**38**
			4/28/2017	**37**	**37**
			6/16/2017	**35**	**35**
			7/21/2017	**36**	**36**
			4/6/2018	**160**	**160**
			5/30/2018	**170**	**170**
			10/16/2018	**160**	**160**
			3/29/2019	**170**	**170**
			9/26/2019	**140**	**140**
			3/20/2020	**170**	**170**
			11/11/2020	**130**	**130**
			2/25/2021	**110**	**110**
			10/20/2021	**200**	**200**
MW-16-02	8	7 (87.5%)	2/22/2022	2.4	2.4
			12/1/2022	ND<5	ND<5
			4/3/2023	ND<5 U	ND<5 U
			10/30/2023	ND<5 U	ND<5 U
			4/10/2024	ND<5 U	ND<5 U
			10/16/2024	ND<5 U	ND<5 U
			4/28/2025	ND<5 U	ND<5 U
			10/7/2025	ND<5	ND<5
			8/5/2016	**24**	**24**
			9/30/2016	**27**	**27**
			11/18/2016	**30**	**30**
			1/20/2017	**31**	**31**
			3/10/2017	**29**	**29**
			4/28/2017	**30**	**30**
			6/16/2017	**30**	**30**

			7/21/2017	**27**	**27**
			4/6/2018	**15**	**15**
			5/30/2018	**ND<5 U**	**ND<5 U**
			10/16/2018	**7.9**	**7.9**
			3/29/2019	**ND<5 U**	**ND<5 U**
			9/26/2019	**ND<5 U**	**ND<5 U**
			3/20/2020	**ND<5 U**	**ND<5 U**
			11/11/2020	**ND<5 U**	**ND<5 U**
			2/25/2021	**2.6**	**2.6**
			10/20/2021	**ND<5 U**	**ND<5 U**
MW-16-03	8	8 (100%)	2/22/2022	ND<0.36 J	ND<0.36 J
			11/30/2022	ND<5	ND<5
			4/3/2023	ND<5 U	ND<5 U
			10/30/2023	ND<5 U	ND<5 U
			4/10/2024	ND<5 U	ND<5 U
			10/16/2024	ND<5 U	ND<5 U
			4/28/2025	ND<5 U	ND<5 U
			10/7/2025	ND<5	ND<5
			8/5/2016	**91**	**91**
			9/30/2016	**40**	**40**
			11/18/2016	**21**	**21**
			1/20/2017	**13**	**13**
			3/10/2017	**12**	**12**
			4/28/2017	**12**	**12**
			6/16/2017	**12**	**12**
			7/21/2017	**12**	**12**
			4/6/2018	**ND<5 U**	**ND<5 U**
			5/30/2018	**ND<5 U**	**ND<5 U**
			10/16/2018	**ND<5 U**	**ND<5 U**
			3/29/2019	**ND<5 U**	**ND<5 U**
			9/26/2019	**ND<5 U**	**ND<5 U**
			3/20/2020	**ND<5 U**	**ND<5 U**
			11/11/2020	**ND<5 U**	**ND<5 U**
			2/25/2021	**ND<5**	**ND<5**
			10/20/2021	**ND<5 U**	**ND<5 U**
MW-17-16	4	0 (0%)	4/10/2024	54	54
			10/16/2024	99	99
			4/28/2025	87	87
			10/7/2025	110	110
MW-17-17	4	4 (100%)	4/10/2024	ND<5	ND<5
			10/16/2024	ND<5	ND<5
			4/28/2025	ND<5	ND<5
			10/7/2025	ND<5	ND<5

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original

Concentrations (ug/L)

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 32
Total Non-Detect: 1
Percent Non-Detects: 3.125%
Total Background Measurements: 0
There are 0 background locations

Loc.	Meas.	ND	Date	Conc.	Original

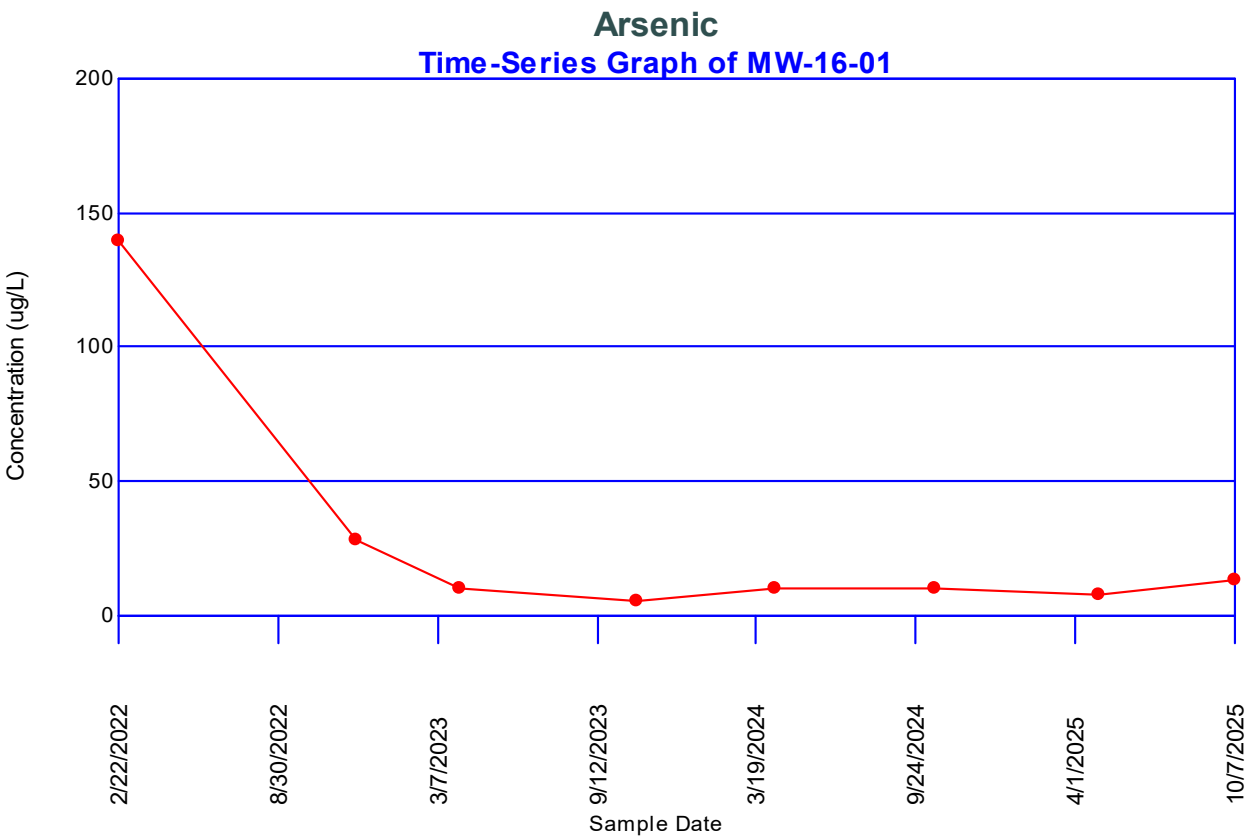
There are 5 compliance locations

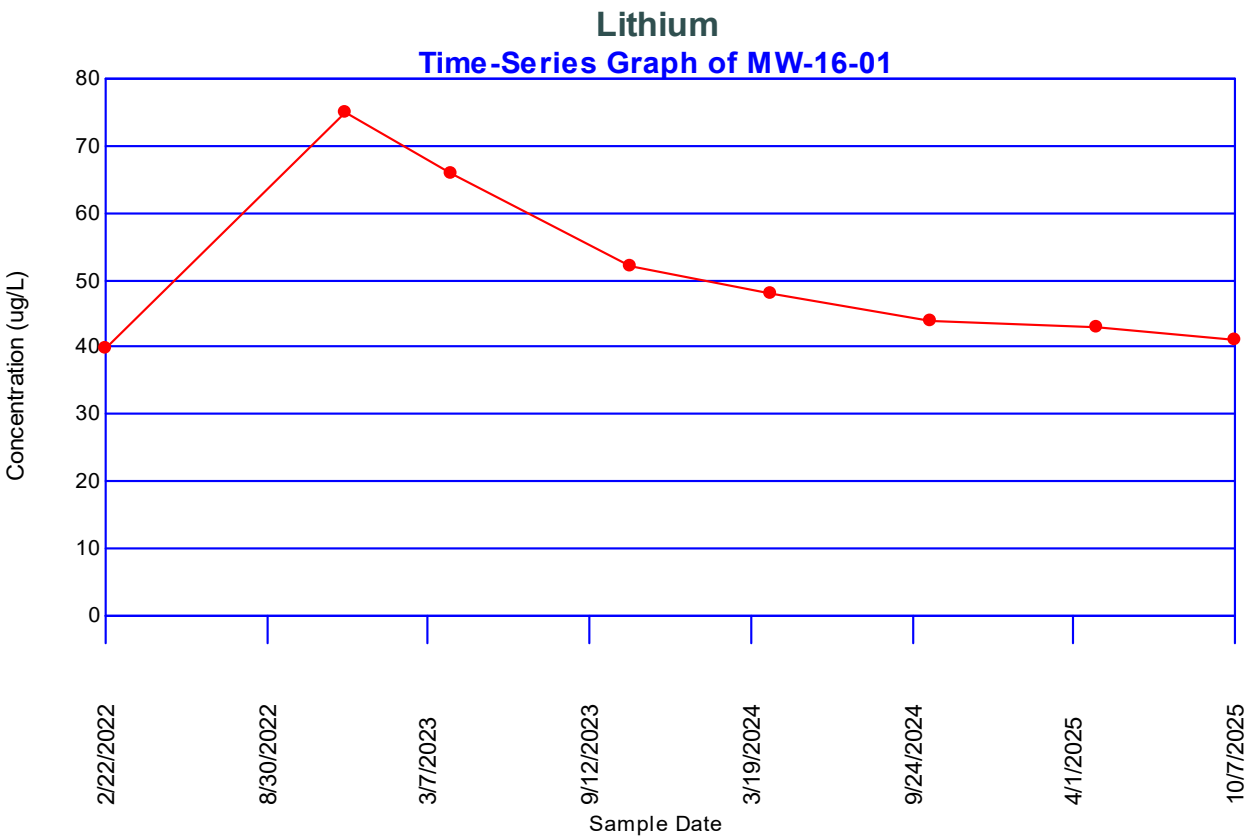
Loc.	Meas.	ND	Date	Conc.	Original
MW-16-01	8	0 (0%)	2/22/2022	40	40
			12/1/2022	75	75
			4/3/2023	66	66
			10/30/2023	52	52
			4/10/2024	48	48
			10/16/2024	44	44
			4/28/2025	43	43
			10/7/2025	41	41
			8/5/2016	**44**	**44**
			9/30/2016	**53**	**53**
			11/18/2016	**50**	**50**
			1/20/2017	**48**	**48**
			3/10/2017	**49**	**49**
			4/28/2017	**53**	**53**
			6/16/2017	**51**	**51**
			7/21/2017	**44**	**44**
			4/6/2018	**49**	**49**
			5/30/2018	**51**	**51**
			10/16/2018	**59**	**59**
			3/29/2019	**62**	**62**
			9/26/2019	**52**	**52**
			3/20/2020	**52**	**52**
			11/11/2020	**46**	**46**
			2/25/2021	**38**	**38**
			10/20/2021	**34**	**34**
MW-16-02	8	0 (0%)	2/22/2022	16	16
			12/1/2022	11	11
			4/3/2023	20	20
			10/30/2023	31	31
			4/10/2024	53	53
			10/16/2024	43	43
			4/28/2025	52	52
			10/7/2025	41	41
			8/5/2016	**57**	**57**
			9/30/2016	**64**	**64**
			11/18/2016	**62**	**62**
			1/20/2017	**64**	**64**
			3/10/2017	**58**	**58**
			4/28/2017	**71**	**71**
			6/16/2017	**64**	**64**

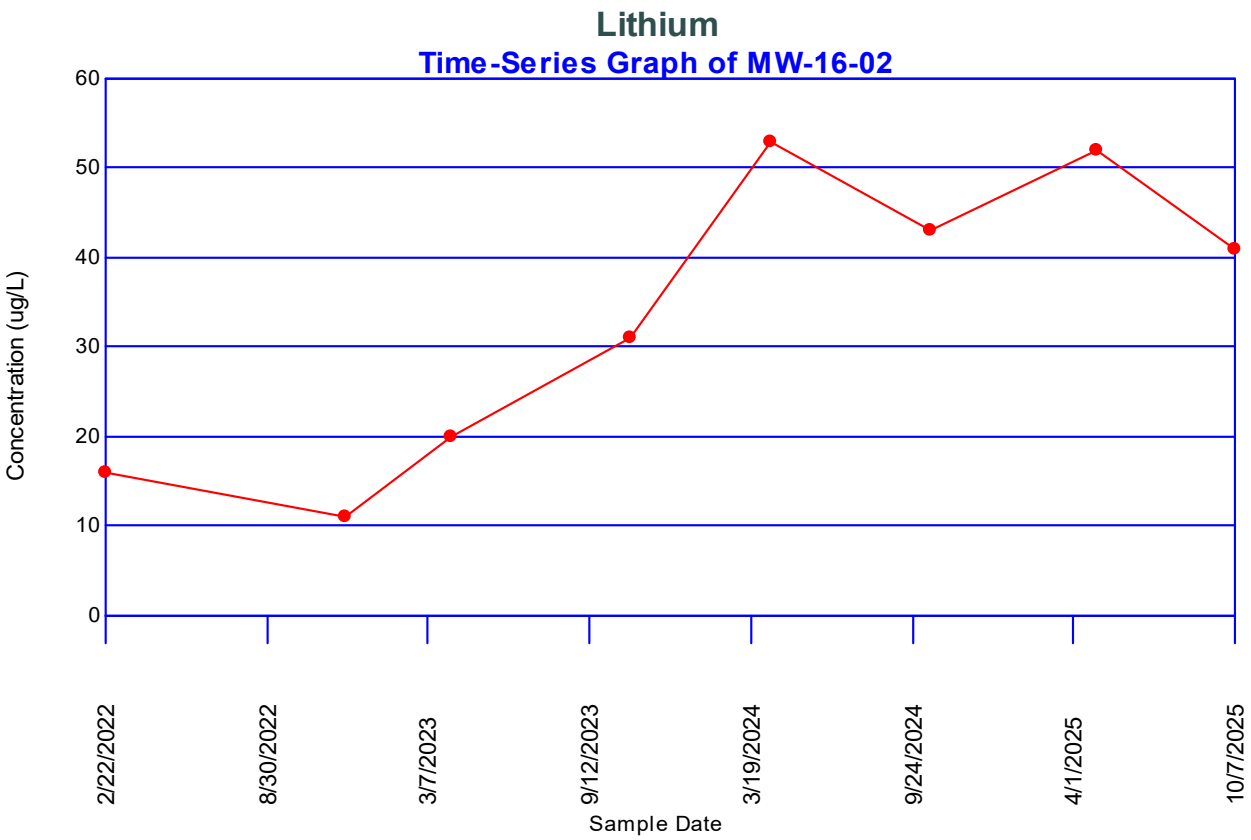
			7/21/2017	**52**	**52**
			4/6/2018	**45**	**45**
			5/30/2018	**28**	**28**
			10/16/2018	**27**	**27**
			3/29/2019	**21**	**21**
			9/26/2019	**18**	**18**
			3/20/2020	**14**	**14**
			11/11/2020	**13**	**13**
			2/25/2021	**14**	**14**
			10/20/2021	**14**	**14**
MW-16-03	8	1 (12.5%)	2/22/2022	7.9	7.9
			11/30/2022	ND<8	ND<8
			4/3/2023	8.8	8.8
			10/30/2023	8.8	8.8
			4/10/2024	11	11
			10/16/2024	10	10
			4/28/2025	11	11
			10/7/2025	11	11
			8/5/2016	**29**	**29**
			9/30/2016	**44**	**44**
			11/18/2016	**44**	**44**
			1/20/2017	**49**	**49**
			3/10/2017	**45**	**45**
			4/28/2017	**51**	**51**
			6/16/2017	**49**	**49**
			7/21/2017	**41**	**41**
			4/6/2018	**15**	**15**
			5/30/2018	**11**	**11**
			10/16/2018	**ND<8 U**	**ND<8 U**
			3/29/2019	**ND<8 U**	**ND<8 U**
			9/26/2019	**ND<8 U**	**ND<8 U**
			3/20/2020	**ND<8 U**	**ND<8 U**
			11/11/2020	**ND<8 U**	**ND<8 U**
			2/25/2021	**4.8**	**4.8**
			10/20/2021	**ND<8 U**	**ND<8 U**
MW-17-16	4	0 (0%)	4/10/2024	48	48
			10/16/2024	55	55
			4/28/2025	53	53
			10/7/2025	59	59
MW-17-17	4	0 (0%)	4/10/2024	12	12
			10/16/2024	14	14
			4/28/2025	11	11
			10/7/2025	13	13

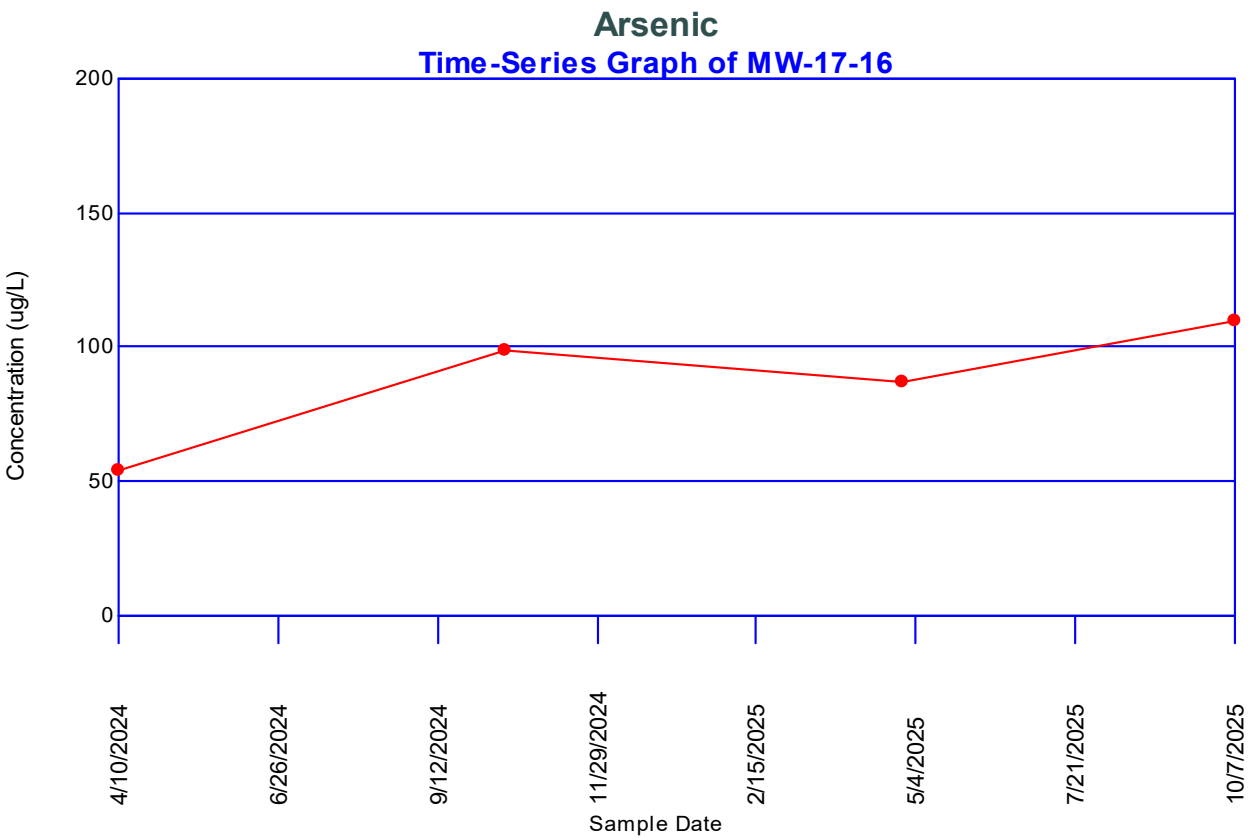
There are 0 unused locations

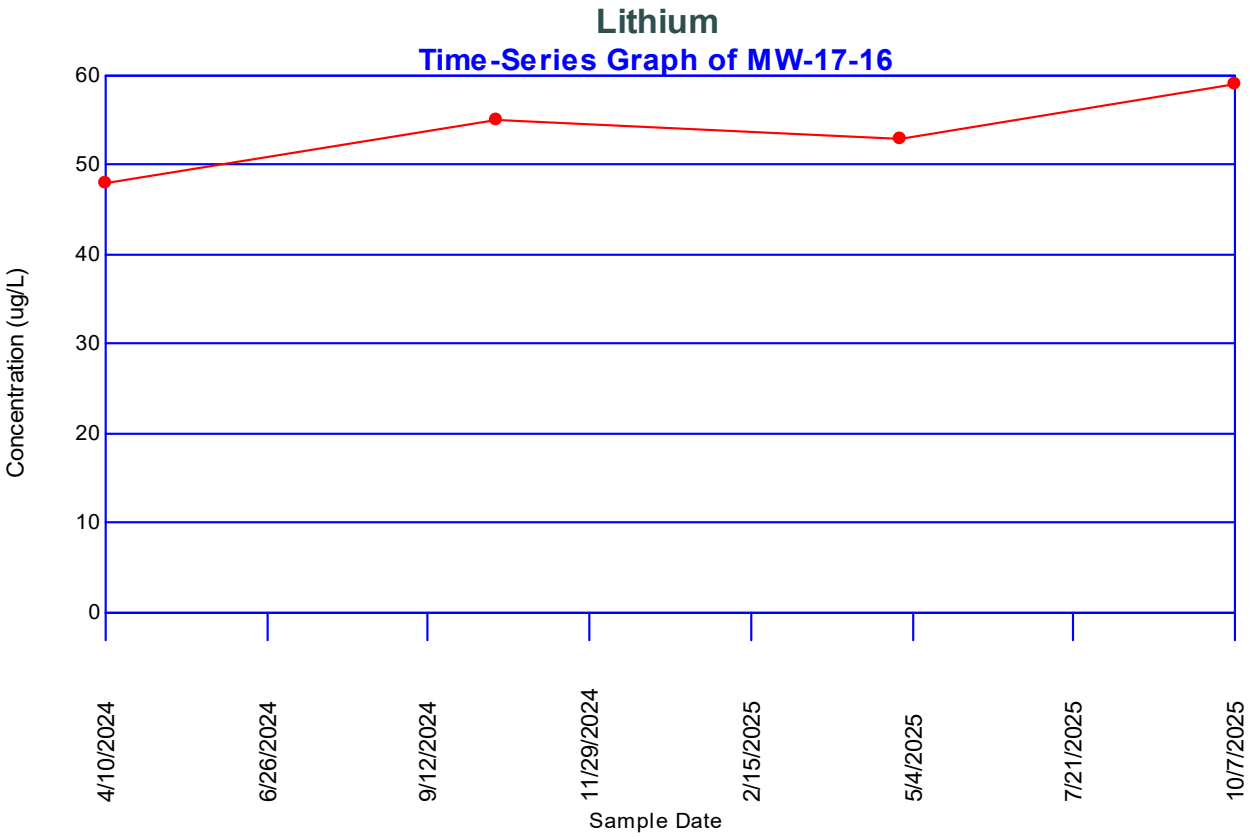
Loc.	Meas.	ND	Date	Conc.	Original


Arsenic
Time-Series Graph of MW-16-01
200
150
100
50
0
Concentration (ug/L)
2/22/2022
8/30/2022
3/7/2023
9/12/2023
3/19/2024
9/24/2024
4/1/2025
10/7/2025
Sample Date


Lithium
Time-Series Graph of MW-16-01
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
2/22/2022
8/30/2022
3/7/2023
9/12/2023
3/19/2024
9/24/2024
4/1/2025
10/7/2025
Sample Date


Lithium
Time-Series Graph of MW-16-02
Concentration (ug/L)
60
50
40
30
20
10
0
2/22/2022
8/30/2022
3/7/2023
9/12/2023
3/19/2024
9/24/2024
4/1/2025
10/7/2025
Sample Date


Arsenic
Time-Series Graph of MW-17-16
Concentration (ug/L)
200
150
100
50
0
4/10/2024
6/26/2024
9/12/2024
11/29/2024
2/15/2025
5/4/2025
7/21/2025
10/7/2025
Sample Date


Lithium
Time-Series Graph of MW-17-16
Concentration (ug/L)
60
50
40
30
20
10
0
4/10/2024
6/26/2024
9/12/2024
11/29/2024
2/15/2025
5/4/2025
7/21/2025
10/7/2025
Sample Date

Sen's Slope Analysis

Parameter: Arsenic

Location: MW-16-01

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
28 (12/1/2022)	140 (2/22/2022)	(28 - 140)/(2 - 1)	-112
10 (4/3/2023)	140 (2/22/2022)	(10 - 140)/(3 - 1)	-65
5.2 (10/30/2023)	140 (2/22/2022)	(5.2 - 140)/(4 - 1)	-44.9333
10 (4/10/2024)	140 (2/22/2022)	(10 - 140)/(5 - 1)	-32.5
10 (10/16/2024)	140 (2/22/2022)	(10 - 140)/(6 - 1)	-26
8.2 (4/28/2025)	140 (2/22/2022)	(8.2 - 140)/(7 - 1)	-21.9667
13 (10/7/2025)	140 (2/22/2022)	(13 - 140)/(8 - 1)	-18.1429
10 (4/3/2023)	28 (12/1/2022)	(10 - 28)/(3 - 2)	-18
5.2 (10/30/2023)	28 (12/1/2022)	(5.2 - 28)/(4 - 2)	-11.4
10 (4/10/2024)	28 (12/1/2022)	(10 - 28)/(5 - 2)	-6
10 (10/16/2024)	28 (12/1/2022)	(10 - 28)/(6 - 2)	-4.5
8.2 (4/28/2025)	28 (12/1/2022)	(8.2 - 28)/(7 - 2)	-3.96
13 (10/7/2025)	28 (12/1/2022)	(13 - 28)/(8 - 2)	-2.5
5.2 (10/30/2023)	10 (4/3/2023)	(5.2 - 10)/(4 - 3)	-4.8
10 (4/10/2024)	10 (4/3/2023)	(10 - 10)/(5 - 3)	0
10 (10/16/2024)	10 (4/3/2023)	(10 - 10)/(6 - 3)	0
8.2 (4/28/2025)	10 (4/3/2023)	(8.2 - 10)/(7 - 3)	-0.45
13 (10/7/2025)	10 (4/3/2023)	(13 - 10)/(8 - 3)	0.6
10 (4/10/2024)	5.2 (10/30/2023)	(10 - 5.2)/(5 - 4)	4.8
10 (10/16/2024)	5.2 (10/30/2023)	(10 - 5.2)/(6 - 4)	2.4
8.2 (4/28/2025)	5.2 (10/30/2023)	(8.2 - 5.2)/(7 - 4)	1
13 (10/7/2025)	5.2 (10/30/2023)	(13 - 5.2)/(8 - 4)	1.95
10 (10/16/2024)	10 (4/10/2024)	(10 - 10)/(6 - 5)	0
8.2 (4/28/2025)	10 (4/10/2024)	(8.2 - 10)/(7 - 5)	-0.9
13 (10/7/2025)	10 (4/10/2024)	(13 - 10)/(8 - 5)	1
8.2 (4/28/2025)	10 (10/16/2024)	(8.2 - 10)/(7 - 6)	-1.8
13 (10/7/2025)	10 (10/16/2024)	(13 - 10)/(8 - 6)	1.5
13 (10/7/2025)	8.2 (4/28/2025)	(13 - 8.2)/(8 - 7)	4.8

Number of Q values = 28

Ordered Q Values

n	Q
1	-112
2	-65
3	-44.9333
4	-32.5
5	-26
6	-21.9667
7	-18.1429

8	-18
9	-11.4
10	-6
11	-4.8
12	-4.5
13	-3.96
14	-2.5
15	-1.8
16	-0.9
17	-0.45
18	0
19	0
20	0
21	0.6
22	1
23	1
24	1.5
25	1.95
26	2.4
27	4.8
28	4.8

Sen's Estimator (Median Q) is -2.15

Tied Group	Value	Members
1	10	3

Time Period	Observations
2/22/2022	1
12/1/2022	1
4/3/2023	1
10/30/2023	1
4/10/2024	1
10/16/2024	1
4/28/2025	1
10/7/2025	1

There are 0 time periods with multiple data

A = 66
B = 0
C = 6
D = 0
E = 6
F = 0
a = 1176
b = 3024
c = 112
Group Variance = 61.6667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 12.9167
M1 = (28 - 12.9167)/2.0 = 7.54164
M2 = (28 + 12.9167)/2.0 + 1 = 21.4584
Lower limit is -18 = Q(8)
Upper limit is 0.6 = Q(21)
-18 < 0 < 0.6 indicating no trend in data.

Sen's Slope Analysis

Parameter: Lithium

Location: MW-16-01

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
75 (12/1/2022)	40 (2/22/2022)	(75 - 40)/(2 - 1)	35
66 (4/3/2023)	40 (2/22/2022)	(66 - 40)/(3 - 1)	13
52 (10/30/2023)	40 (2/22/2022)	(52 - 40)/(4 - 1)	4
48 (4/10/2024)	40 (2/22/2022)	(48 - 40)/(5 - 1)	2
44 (10/16/2024)	40 (2/22/2022)	(44 - 40)/(6 - 1)	0.8
43 (4/28/2025)	40 (2/22/2022)	(43 - 40)/(7 - 1)	0.5
41 (10/7/2025)	40 (2/22/2022)	(41 - 40)/(8 - 1)	0.142857
66 (4/3/2023)	75 (12/1/2022)	(66 - 75)/(3 - 2)	-9
52 (10/30/2023)	75 (12/1/2022)	(52 - 75)/(4 - 2)	-11.5
48 (4/10/2024)	75 (12/1/2022)	(48 - 75)/(5 - 2)	-9
44 (10/16/2024)	75 (12/1/2022)	(44 - 75)/(6 - 2)	-7.75
43 (4/28/2025)	75 (12/1/2022)	(43 - 75)/(7 - 2)	-6.4
41 (10/7/2025)	75 (12/1/2022)	(41 - 75)/(8 - 2)	-5.66667
52 (10/30/2023)	66 (4/3/2023)	(52 - 66)/(4 - 3)	-14
48 (4/10/2024)	66 (4/3/2023)	(48 - 66)/(5 - 3)	-9
44 (10/16/2024)	66 (4/3/2023)	(44 - 66)/(6 - 3)	-7.33333
43 (4/28/2025)	66 (4/3/2023)	(43 - 66)/(7 - 3)	-5.75
41 (10/7/2025)	66 (4/3/2023)	(41 - 66)/(8 - 3)	-5
48 (4/10/2024)	52 (10/30/2023)	(48 - 52)/(5 - 4)	-4
44 (10/16/2024)	52 (10/30/2023)	(44 - 52)/(6 - 4)	-4
43 (4/28/2025)	52 (10/30/2023)	(43 - 52)/(7 - 4)	-3
41 (10/7/2025)	52 (10/30/2023)	(41 - 52)/(8 - 4)	-2.75
44 (10/16/2024)	48 (4/10/2024)	(44 - 48)/(6 - 5)	-4
43 (4/28/2025)	48 (4/10/2024)	(43 - 48)/(7 - 5)	-2.5
41 (10/7/2025)	48 (4/10/2024)	(41 - 48)/(8 - 5)	-2.33333
43 (4/28/2025)	44 (10/16/2024)	(43 - 44)/(7 - 6)	-1
41 (10/7/2025)	44 (10/16/2024)	(41 - 44)/(8 - 6)	-1.5
41 (10/7/2025)	43 (4/28/2025)	(41 - 43)/(8 - 7)	-2

Number of Q values = 28

Ordered Q Values

n	Q
1	-14
2	-11.5
3	-9
4	-9
5	-9
6	-7.75
7	-7.33333

8	-6.4
9	-5.75
10	-5.66667
11	-5
12	-4
13	-4
14	-4
15	-3
16	-2.75
17	-2.5
18	-2.33333
19	-2
20	-1.5
21	-1
22	0.142857
23	0.5
24	0.8
25	2
26	4
27	13
28	35

Sen's Estimator (Median Q) is -3.5

Time Period	Observations
2/22/2022	1
12/1/2022	1
4/3/2023	1
10/30/2023	1
4/10/2024	1
10/16/2024	1
4/28/2025	1
10/7/2025	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 1176
b = 3024
c = 112
Group Variance = 65.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 13.2952
M1 = (28 - 13.2952)/2.0 = 7.35241
M2 = (28 + 13.2952)/2.0 + 1 = 21.6476
Lower limit is -7.33333 = Q(7)
Upper limit is 0.142857 = Q(22)
-7.33333 < 0 < 0.142857 indicating no trend in data.

Sen's Slope Analysis

Parameter: Lithium

Location: MW-16-02

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
11 (12/1/2022)	16 (2/22/2022)	(11 - 16)/(2 - 1)	-5
20 (4/3/2023)	16 (2/22/2022)	(20 - 16)/(3 - 1)	2
31 (10/30/2023)	16 (2/22/2022)	(31 - 16)/(4 - 1)	5
53 (4/10/2024)	16 (2/22/2022)	(53 - 16)/(5 - 1)	9.25
43 (10/16/2024)	16 (2/22/2022)	(43 - 16)/(6 - 1)	5.4
52 (4/28/2025)	16 (2/22/2022)	(52 - 16)/(7 - 1)	6
41 (10/7/2025)	16 (2/22/2022)	(41 - 16)/(8 - 1)	3.57143
20 (4/3/2023)	11 (12/1/2022)	(20 - 11)/(3 - 2)	9
31 (10/30/2023)	11 (12/1/2022)	(31 - 11)/(4 - 2)	10
53 (4/10/2024)	11 (12/1/2022)	(53 - 11)/(5 - 2)	14
43 (10/16/2024)	11 (12/1/2022)	(43 - 11)/(6 - 2)	8
52 (4/28/2025)	11 (12/1/2022)	(52 - 11)/(7 - 2)	8.2
41 (10/7/2025)	11 (12/1/2022)	(41 - 11)/(8 - 2)	5
31 (10/30/2023)	20 (4/3/2023)	(31 - 20)/(4 - 3)	11
53 (4/10/2024)	20 (4/3/2023)	(53 - 20)/(5 - 3)	16.5
43 (10/16/2024)	20 (4/3/2023)	(43 - 20)/(6 - 3)	7.66667
52 (4/28/2025)	20 (4/3/2023)	(52 - 20)/(7 - 3)	8
41 (10/7/2025)	20 (4/3/2023)	(41 - 20)/(8 - 3)	4.2
53 (4/10/2024)	31 (10/30/2023)	(53 - 31)/(5 - 4)	22
43 (10/16/2024)	31 (10/30/2023)	(43 - 31)/(6 - 4)	6
52 (4/28/2025)	31 (10/30/2023)	(52 - 31)/(7 - 4)	7
41 (10/7/2025)	31 (10/30/2023)	(41 - 31)/(8 - 4)	2.5
43 (10/16/2024)	53 (4/10/2024)	(43 - 53)/(6 - 5)	-10
52 (4/28/2025)	53 (4/10/2024)	(52 - 53)/(7 - 5)	-0.5
41 (10/7/2025)	53 (4/10/2024)	(41 - 53)/(8 - 5)	-4
52 (4/28/2025)	43 (10/16/2024)	(52 - 43)/(7 - 6)	9
41 (10/7/2025)	43 (10/16/2024)	(41 - 43)/(8 - 6)	-1
41 (10/7/2025)	52 (4/28/2025)	(41 - 52)/(8 - 7)	-11

Number of Q values = 28

Ordered Q Values

n	Q
1	-11
2	-10
3	-5
4	-4
5	-1
6	-0.5
7	2

8	2.5
9	3.57143
10	4.2
11	5
12	5
13	5.4
14	6
15	6
16	7
17	7.66667
18	8
19	8
20	8.2
21	9
22	9
23	9.25
24	10
25	11
26	14
27	16.5
28	22

Sen's Estimator (Median Q) is 6

Time Period	Observations
2/22/2022	1
12/1/2022	1
4/3/2023	1
10/30/2023	1
4/10/2024	1
10/16/2024	1
4/28/2025	1
10/7/2025	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 1176
b = 3024
c = 112
Group Variance = 65.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 13.2952
M1 = (28 - 13.2952)/2.0 = 7.35241
M2 = (28 + 13.2952)/2.0 + 1 = 21.6476
Lower limit is 2 = Q(7)
Upper limit is 9 = Q(22)
2 > 0 indicating an upward trend in data.

Sen's Slope Analysis

Parameter: Arsenic

Location: MW-17-16

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
99 (10/16/2024)	54 (4/10/2024)	(99 - 54)/(2 - 1)	45
87 (4/28/2025)	54 (4/10/2024)	(87 - 54)/(3 - 1)	16.5
110 (10/7/2025)	54 (4/10/2024)	(110 - 54)/(4 - 1)	18.6667
87 (4/28/2025)	99 (10/16/2024)	(87 - 99)/(3 - 2)	-12
110 (10/7/2025)	99 (10/16/2024)	(110 - 99)/(4 - 2)	5.5
110 (10/7/2025)	87 (4/28/2025)	(110 - 87)/(4 - 3)	23

Number of Q values = 6

Ordered Q Values

n	Q
1	-12
2	5.5
3	16.5
4	18.6667
5	23
6	45

Sen's Estimator (Median Q) is 17.5833

Time Period	Observations
4/10/2024	1
10/16/2024	1
4/28/2025	1
10/7/2025	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 156
b = 216
c = 24
Group Variance = 8.66667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 4.84232
M1 = (6 - 4.84232)/2.0 = 0.578842
M2 = (6 + 4.84232)/2.0 + 1 = 6.42116
Lower limit is -12 = Q(1)
Upper limit is 45 = Q(6)
-12 < 0 < 45 indicating no trend in data.

Sen's Slope Analysis

Parameter: Lithium

Location: MW-17-16

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
55 (10/16/2024)	48 (4/10/2024)	(55 - 48)/(2 - 1)	7
53 (4/28/2025)	48 (4/10/2024)	(53 - 48)/(3 - 1)	2.5
59 (10/7/2025)	48 (4/10/2024)	(59 - 48)/(4 - 1)	3.66667
53 (4/28/2025)	55 (10/16/2024)	(53 - 55)/(3 - 2)	-2
59 (10/7/2025)	55 (10/16/2024)	(59 - 55)/(4 - 2)	2
59 (10/7/2025)	53 (4/28/2025)	(59 - 53)/(4 - 3)	6

Number of Q values = 6

Ordered Q Values

n	Q
1	-2
2	2
3	2.5
4	3.66667
5	6
6	7

Sen's Estimator (Median Q) is 3.08333

Time Period	Observations
4/10/2024	1
10/16/2024	1
4/28/2025	1
10/7/2025	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 156
b = 216
c = 24
Group Variance = 8.66667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 4.84232
M1 = (6 - 4.84232)/2.0 = 0.578842
M2 = (6 + 4.84232)/2.0 + 1 = 6.42116
Lower limit is -2 = Q(1)
Upper limit is 7 = Q(6)
-2 < 0 < 7 indicating no trend in data.

Skewness Coefficient

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-01	8	28.05	45.7522	**2.17228**
MW-16-02	8	4.675	0.919239	**-2.26779**
MW-16-03	8	4.42	1.64049	**-2.26779**
MW-17-16	4	87.5	24.2281	-0.668046
MW-17-17	4	5	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
32	20.8487	35.867	**2.21827**

Skewness Coefficient

Parameter: Arsenic

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-01	8	2.68742	1.02649	**1.44459**
MW-16-02	8	1.51769	0.259497	**-2.26779**
MW-16-03	8	1.28055	0.93023	**-2.26779**
MW-17-16	4	4.43762	0.3141	-0.847207
MW-17-17	4	1.60944	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
32	2.1273	1.2423	0.687366

Shapiro-Wilks Test of Normality

Parameter: Arsenic

Location: MW-16-01

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

K = 4 for 8 measurements

i	x(i)	x(n-i+1)	x(n-1+1)-x(i)	a(n-i+1)	b(i)
1	5.2	140	134.8	0.6052	81.581
2	8.2	28	19.8	0.3164	6.26472
3	10	13	3	0.1743	0.5229
4	10	10	0	0.0561	0
5	10	10	0		
6	13	10	-3		
7	28	8.2	-19.8		
8	140	5.2	-134.8		

Sum of b values = 88.3686

Sample Standard Deviation = 45.7522

W Statistic = 0.532934

5% Critical value of 0.818 exceeds 0.532934

Evidence of non-normality at 95% level of significance

1% Critical value of 0.749 exceeds 0.532934

Evidence of non-normality at 99% level of significance

Shapiro-Wilks Test of Normality

Parameter: Arsenic

Location: MW-16-01

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

K = 4 for 8 measurements

i	x(i)	x(n-i+1)	x(n-1+1)-x(i)	a(n-i+1)	b(i)
1	1.64866	4.94164	3.29298	0.6052	1.99291
2	2.10413	3.3322	1.22807	0.3164	0.388561
3	2.30259	2.56495	0.262364	0.1743	0.0457301
4	2.30259	2.30259	0	0.0561	0
5	2.30259	2.30259	0		
6	2.56495	2.30259	-0.262364		
7	3.3322	2.10413	-1.22807		
8	4.94164	1.64866	-3.29298		

Sum of b values = 2.42721

Sample Standard Deviation = 1.02649

W Statistic = 0.798737

5% Critical value of 0.818 exceeds 0.798737

Evidence of non-normality at 95% level of significance

1% Critical value of 0.749 is less than 0.798737

Data is normally distributed at 99% level of significance

Non-Parametric Confidence Interval

Parameter: Arsenic

Well: MW-16-01

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

99% Comparion Level

Total measurements = 8

Ranks

Point	Date	Value	Rank	Bkgrnd
MW-16-01	10/30/2023	5.2	1	TRUE
MW-16-01	4/28/2025	8.2	2	TRUE
MW-16-01	4/10/2024	10	4	TRUE
MW-16-01	10/16/2024	10	4	TRUE
MW-16-01	4/3/2023	10	4	TRUE
MW-16-01	10/7/2025	13	6	TRUE
MW-16-01	12/1/2022	28	7	TRUE
MW-16-01	2/22/2022	140	8	TRUE

M = 8

n + 1 - M = 1

Two Sided Confidence Level = 99.2%

Upper Confidence Interval X(8) = 140

Lower Confidence Inverval X(1) = 5.2

5.2 <= 32 Indicating No Statistical Significance

Confidence Interval

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Compliance Locations

Location	**MW-16-01**
Mean	28.05
Std Dev	45.7522
Degrees of Freedom	7
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[-20.4444, 76.5444]	28.05	FALSE
95%	1.89458	[-2.59641, 58.6964]	28.05	FALSE

Location	**MW-16-02**
Mean	4.675
Std Dev	0.919239
Degrees of Freedom	7
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[3.70067, 5.64933]	4.675	FALSE
95%	1.89458	[4.05926, 5.29074]	4.675	FALSE

Location	**MW-16-03**
Mean	4.42
Std Dev	1.64049
Degrees of Freedom	7
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.68119, 6.15881]	4.42	FALSE
95%	1.89458	[3.32115, 5.51885]	4.42	FALSE

Location	**MW-17-16**
Mean	87.5
Std Dev	24.2281
Degrees of Freedom	3
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	4.54071	[32.4937, 142.506]	87.5	TRUE
95%	2.35336	[58.9913, 116.009]	87.5	TRUE

Location	MW-17-17
Mean	5
Std Dev	0
Degrees of Freedom	3
Comparison Level	32
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	4.54071	[5, 5]	5	FALSE
95%	2.35336	[5, 5]	5	FALSE

Skewness Coefficient

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-01	8	51.125	12.7888	0.989903
MW-16-02	8	33.375	16.344	-0.122398
MW-16-03	8	9.5625	1.35007	-0.0186945
MW-17-16	4	53.75	4.57347	-0.176533
MW-17-17	4	12.5	1.29099	0

All Locations

Obs.	Mean	Std. Dev.	Skewness
32	31.7969	20.8497	0.259207

Confidence Interval

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Compliance Locations

Location	**MW-16-01**
Mean	51.125
Std Dev	12.7888
Degrees of Freedom	7
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[37.5697, 64.6803]	51.125	FALSE
95%	1.89458	[42.5586, 59.6914]	51.125	TRUE

Location	**MW-16-02**
Mean	33.375
Std Dev	16.344
Degrees of Freedom	7
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[16.0515, 50.6985]	33.375	FALSE
95%	1.89458	[22.4273, 44.3227]	33.375	FALSE

Location	**MW-16-03**
Mean	9.5625
Std Dev	1.35007
Degrees of Freedom	7
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[8.13152, 10.9935]	9.5625	FALSE
95%	1.89458	[8.65818, 10.4668]	9.5625	FALSE

Location	**MW-17-16**
Mean	53.75
Std Dev	4.57347
Degrees of Freedom	3
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	4.54071	[43.3666, 64.1334]	53.75	TRUE
95%	2.35336	[48.3685, 59.1315]	53.75	TRUE

Location	**MW-17-17**
Mean	12.5
Std Dev	1.29099
Degrees of Freedom	3
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	4.54071	[9.56899, 15.431]	12.5	FALSE
95%	2.35336	[10.9809, 14.0191]	12.5	FALSE

Attachment 2
Nature and Extent Wells ChemStat™ Outputs

Threshold Report

Parameter: Antimony

Threshold is 6

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There is 1 compliance location

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	9	9 (100%)		

Threshold Report

Parameter: Arsenic

Threshold is 32

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	18	18 (100%)		
MW-17-05	8	8 (100%)		
MW-17-12	4	1 (25%)		
MW-17-13	5	5 (100%)		
MW-17-14	8	8 (100%)		
MW-17-15	8	0 (0%)	10/16/2018	34
MW-17-18	8	8 (100%)		
MW-17-20	8	8 (100%)		

Threshold Report

Parameter: Barium

Threshold is 2000

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	18	0 (0%)		
MW-17-05	8	0 (0%)		
MW-17-12	3	0 (0%)		
MW-17-13	3	0 (0%)		
MW-17-14	8	0 (0%)		
MW-17-15	8	0 (0%)		
MW-17-18	8	0 (0%)		
MW-17-20	8	0 (0%)		

Threshold Report

Parameter: Beryllium

Threshold is 4

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	12	12 (100%)		
MW-17-05	3	3 (100%)		
MW-17-12	1	1 (100%)		
MW-17-13	1	1 (100%)		
MW-17-14	3	3 (100%)		
MW-17-15	3	3 (100%)		
MW-17-18	3	3 (100%)		
MW-17-20	3	3 (100%)		

Threshold Report

Parameter: Cadmium

Threshold is 5

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 6 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	10	10 (100%)		
MW-17-05	1	1 (100%)		
MW-17-14	1	1 (100%)		
MW-17-15	1	1 (100%)		
MW-17-18	1	1 (100%)		
MW-17-20	1	1 (100%)		

Threshold Report

Parameter: Chromium

Threshold is 100

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 6 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	10	10 (100%)		
MW-17-05	1	1 (100%)		
MW-17-14	1	1 (100%)		
MW-17-15	1	1 (100%)		
MW-17-18	1	1 (100%)		
MW-17-20	1	1 (100%)		

Threshold Report

Parameter: Cobalt

Threshold is 23

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	18	18 (100%)		
MW-17-05	8	6 (75%)		
MW-17-12	3	3 (100%)		
MW-17-13	3	1 (33.3333%)		
MW-17-14	8	8 (100%)		
MW-17-15	8	7 (87.5%)		
MW-17-18	8	8 (100%)		
MW-17-20	8	6 (75%)		

Threshold Report

Parameter: Fluoride

Threshold is 4

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	19	1 (5.26316%)		
MW-17-05	8	0 (0%)		
MW-17-12	3	0 (0%)		
MW-17-13	3	0 (0%)		
MW-17-14	8	0 (0%)		
MW-17-15	8	0 (0%)		
MW-17-18	8	0 (0%)		
MW-17-20	8	0 (0%)		

Threshold Report

Parameter: Lead

Threshold is 15

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 6 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	10	10 (100%)		
MW-17-05	1	1 (100%)		
MW-17-14	1	1 (100%)		
MW-17-15	1	0 (0%)		
MW-17-18	1	1 (100%)		
MW-17-20	1	1 (100%)		

Threshold Report

Parameter: Lithium

Threshold is 40

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	18	0 (0%)		
MW-17-05	8	0 (0%)	10/31/2023 10/15/2024 10/8/2025	43 42 40
MW-17-12	5	0 (0%)		
MW-17-13	6	3 (50%)		
MW-17-14	8	1 (12.5%)	10/16/2018	45
MW-17-15	8	0 (0%)	10/16/2018 9/26/2019 10/31/2023 10/15/2024 10/8/2025	77 49 41 45 42
MW-17-18	8	0 (0%)		
MW-17-20	8	0 (0%)		

Threshold Report

Parameter: Mercury

Threshold is 0.2

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 6 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	10	10 (100%)	8/5/2016 9/30/2016 11/18/2016 1/20/2017 3/10/2017 4/28/2017 6/16/2017 7/21/2017 4/6/2018 12/1/2022	ND<0.2 U ND<0.2 U ND<0.2 U ND<0.2 U ND<0.2 U ND<0.2 U ND<0.2 U ND<0.2 U ND<0.2 U ND<0.2
MW-17-05	1	1 (100%)	11/30/2022	ND<0.2
MW-17-14	1	1 (100%)	12/1/2022	ND<0.2
MW-17-15	1	1 (100%)	12/1/2022	ND<0.2
MW-17-18	1	1 (100%)	11/30/2022	ND<0.2
MW-17-20	1	1 (100%)	11/30/2022	ND<0.2

Threshold Report

Parameter: Molybdenum

Threshold is 100

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	18	5 (27.7778%)		
MW-17-05	8	8 (100%)		
MW-17-12	3	1 (33.3333%)		
MW-17-13	3	3 (100%)		
MW-17-14	8	7 (87.5%)		
MW-17-15	8	4 (50%)		
MW-17-18	8	8 (100%)		
MW-17-20	8	8 (100%)		

Threshold Report

Parameter: Radium-226/228

Threshold is 5

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 8 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	15	0 (0%)		
MW-17-05	5	2 (40%)		
MW-17-12	2	0 (0%)		
MW-17-13	2	0 (0%)		
MW-17-14	7	2 (28.5714%)	10/15/2024 10/8/2025	5.82 5.09
MW-17-15	5	0 (0%)		
MW-17-18	5	0 (0%)		
MW-17-20	5	0 (0%)		

Threshold Report

Parameter: Selenium

Threshold is 50

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There are 6 compliance locations

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	10	10 (100%)		
MW-17-05	1	1 (100%)		
MW-17-14	1	1 (100%)		
MW-17-15	1	1 (100%)		
MW-17-18	1	1 (100%)		
MW-17-20	1	1 (100%)		

Threshold Report

Parameter: Thallium

Threshold is 2

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

There are 0 background locations

Loc.	Obs.	ND	Date	Conc.

There is 1 compliance location

Loc.	Obs.	ND	Date	Conc.
MW-16-04S	9	9 (100%)		

Concentrations (ug/L)

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67
Total Non-Detect: 56
Percent Non-Detects: 83.5821%
Total Background Measurements: 0
There are 0 background locations

Loc.	Meas.	ND	Date	Conc.	Original

There are 8 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-16-04S	18	18 (100%)	8/5/2016	ND<5 U	ND<5 U
			9/30/2016	ND<5 U	ND<5 U
			11/18/2016	ND<5 U	ND<5 U
			1/20/2017	ND<5 U	ND<5 U
			3/10/2017	ND<5 U	ND<5 U
			4/28/2017	ND<5 U	ND<5 U
			6/16/2017	ND<5 U	ND<5 U
			7/21/2017	ND<5 U	ND<5 U
			4/6/2018	ND<5 U	ND<5 U
			5/30/2018	ND<5 U	ND<5 U
			10/16/2018	ND<5 U	ND<5 U
			9/26/2019	ND<5 U	ND<5 U
			11/12/2020	ND<5 U	ND<5 U
			10/21/2021	ND<5 U	ND<5 U
			12/1/2022	ND<5	ND<5
			10/30/2023	ND<5 U	ND<5 U
			10/15/2024	ND<5 U	ND<5 U
			10/8/2025	ND<5	ND<5
MW-17-05	8	8 (100%)	10/15/2018	ND<5 U	ND<5 U
			9/27/2019	ND<5 U	ND<5 U
			11/13/2020	ND<5 U	ND<5 U
			10/21/2021	ND<5 U	ND<5 U
			11/30/2022	ND<5	ND<5
			10/31/2023	ND<5 U	ND<5 U
			10/15/2024	ND<5 U	ND<5 U
			10/8/2025	ND<5	ND<5
MW-17-12	4	1 (25%)	9/27/2019	8.4	8.4
			10/21/2021	ND<5 U	ND<5 U
			10/31/2023	9.1	9.1
			10/15/2024	7.3	7.3
MW-17-13	5	5 (100%)	10/16/2018	ND<5 U	ND<5 U
			9/26/2019	ND<5 U	ND<5 U
			10/21/2021	ND<5 U	ND<5 U
			10/31/2023	ND<5 U	ND<5 U
			10/15/2024	ND<5 U	ND<5 U
MW-17-14	8	8 (100%)	10/16/2018	ND<5 U	ND<5 U
			9/27/2019	ND<5 U	ND<5 U

			11/12/2020	ND<5 U	ND<5 U
			10/21/2021	ND<5 U	ND<5 U
			12/1/2022	ND<5	ND<5
			10/31/2023	ND<5 U	ND<5 U
			10/15/2024	ND<5 U	ND<5 U
			10/8/2025	ND<5	ND<5
MW-17-15	8	0 (0%)	10/16/2018	34	34
			9/26/2019	20	20
			11/12/2020	18	18
			10/21/2021	23	23
			12/1/2022	7.2	7.2
			10/31/2023	18	18
			10/15/2024	22	22
			10/8/2025	11	11
MW-17-18	8	8 (100%)	10/15/2018	ND<5 U	ND<5 U
			9/27/2019	ND<5 U	ND<5 U
			11/11/2020	ND<5 U	ND<5 U
			10/21/2021	ND<5 U	ND<5 U
			11/30/2022	ND<5	ND<5
			10/31/2023	ND<5 U	ND<5 U
			10/15/2024	ND<5 U	ND<5 U
			10/8/2025	ND<5	ND<5
MW-17-20	8	8 (100%)	10/16/2018	ND<5 U	ND<5 U
			9/26/2019	ND<5 U	ND<5 U
			11/12/2020	ND<5 U	ND<5 U
			10/20/2021	ND<5 U	ND<5 U
			11/30/2022	ND<5	ND<5
			10/31/2023	ND<5 U	ND<5 U
			10/14/2024	ND<5 U	ND<5 U
			10/8/2025	ND<5	ND<5

There are 2 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-17-08	3	3 (100%)	10/21/2021	ND<5 U	ND<5 U
			10/30/2023	ND<5 U	ND<5 U
			10/14/2024	ND<5 U	ND<5 U
MW-17-19	3	3 (100%)	10/21/2021	ND<5 U	ND<5 U
			10/31/2023	ND<5 U	ND<5 U
			10/14/2024	ND<5 U	ND<5 U

Concentrations (ug/L)

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 69
Total Non-Detect: 4
Percent Non-Detects: 5.7971%
Total Background Measurements: 0
There are 0 background locations

Loc.	Meas.	ND	Date	Conc.	Original

There are 8 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-16-04S	18	0 (0%)	8/5/2016	18	18
			9/30/2016	21	21
			11/18/2016	18	18
			1/20/2017	25	25
			3/10/2017	24	24
			4/28/2017	26	26
			6/16/2017	26	26
			7/21/2017	17	17
			4/6/2018	27	27
			5/30/2018	26	26
			10/16/2018	24	24
			9/26/2019	19	19
			11/12/2020	21	21
			10/21/2021	36	36
			12/1/2022	39	39
			10/30/2023	37	37
			10/15/2024	21	21
			10/8/2025	20	20
MW-17-05	8	0 (0%)	10/15/2018	13	13
			9/27/2019	9.2	9.2
			11/13/2020	14	14
			10/21/2021	11	11
			11/30/2022	17	17
			10/31/2023	43	43
			10/15/2024	42	42
			10/8/2025	40	40
MW-17-12	5	0 (0%)	9/27/2019	12	12
			10/21/2021	13	13
			10/31/2023	13	13
			10/15/2024	11	11
			10/8/2025	12	12
MW-17-13	6	3 (50%)	10/16/2018	ND<8 U	ND<8 U
			9/26/2019	ND<8 U	ND<8 U
			10/21/2021	ND<8 U	ND<8 U
			10/31/2023	12	12
			10/15/2024	11	11
			10/8/2025	14	14

MW-17-14	8	1 (12.5%)	10/16/2018	45	45
			9/27/2019	14	14
			11/12/2020	12	12
			10/21/2021	ND<8 U	ND<8 U
			12/1/2022	15	15
			10/31/2023	24	24
			10/15/2024	24	24
			10/8/2025	22	22
MW-17-15	8	0 (0%)	10/16/2018	77	77
			9/26/2019	49	49
			11/12/2020	34	34
			10/21/2021	30	30
			12/1/2022	28	28
			10/31/2023	41	41
			10/15/2024	45	45
			10/8/2025	42	42
MW-17-18	8	0 (0%)	10/15/2018	22	22
			9/27/2019	17	17
			11/11/2020	20	20
			10/21/2021	20	20
			11/30/2022	19	19
			10/31/2023	19	19
			10/15/2024	17	17
			10/8/2025	18	18
MW-17-20	8	0 (0%)	10/16/2018	32	32
			9/26/2019	25	25
			11/12/2020	34	34
			10/20/2021	29	29
			11/30/2022	28	28
			10/31/2023	30	30
			10/14/2024	32	32
			10/8/2025	31	31

There are 2 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-17-08	3	0 (0%)	10/21/2021	12	12
			10/30/2023	13	13
			10/14/2024	10	10
MW-17-19	3	0 (0%)	10/21/2021	46	46
			10/31/2023	45	45
			10/14/2024	41	41

Concentrations (pci/L)

Parameter: Radium-226/228

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 46
Total Non-Detect: 4
Percent Non-Detects: 8.69565%
Total Background Measurements: 0
There are 0 background locations

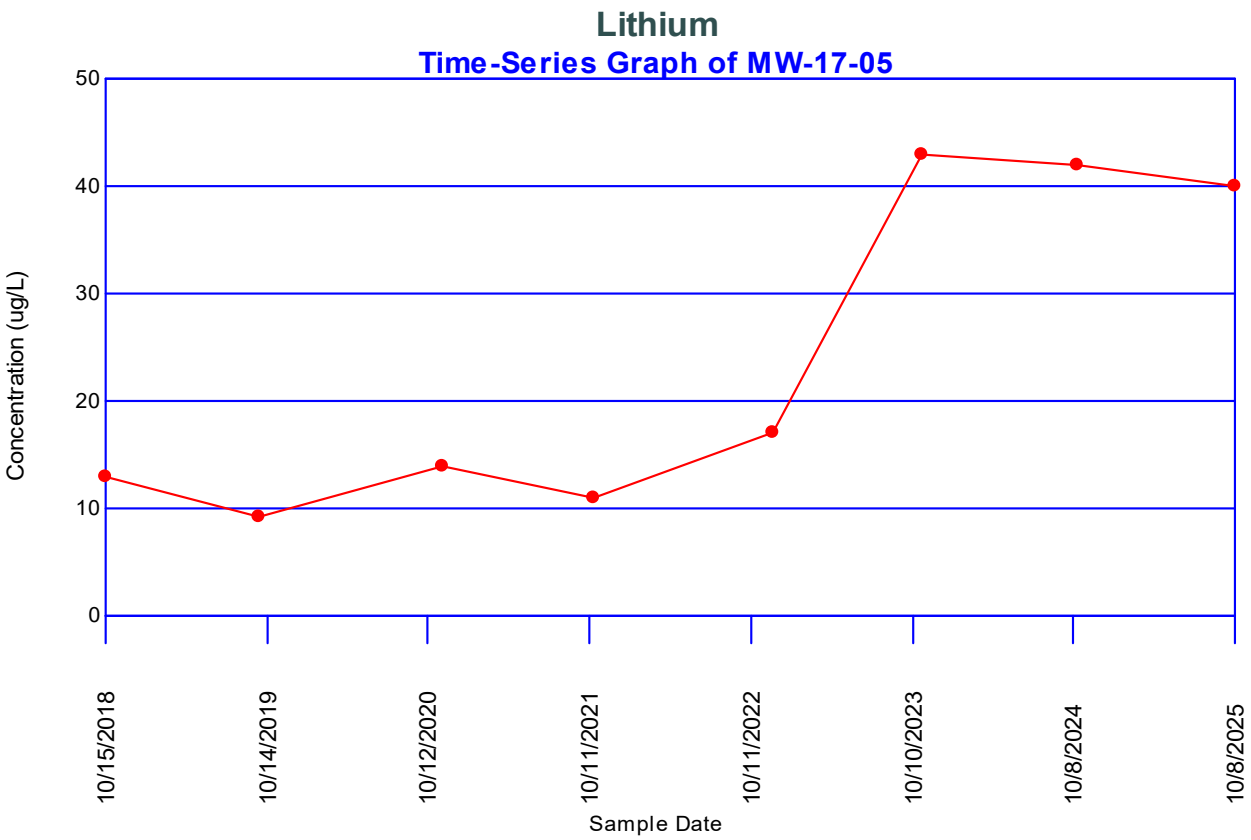
Loc.	Meas.	ND	Date	Conc.	Original
There are 8 compliance locations					

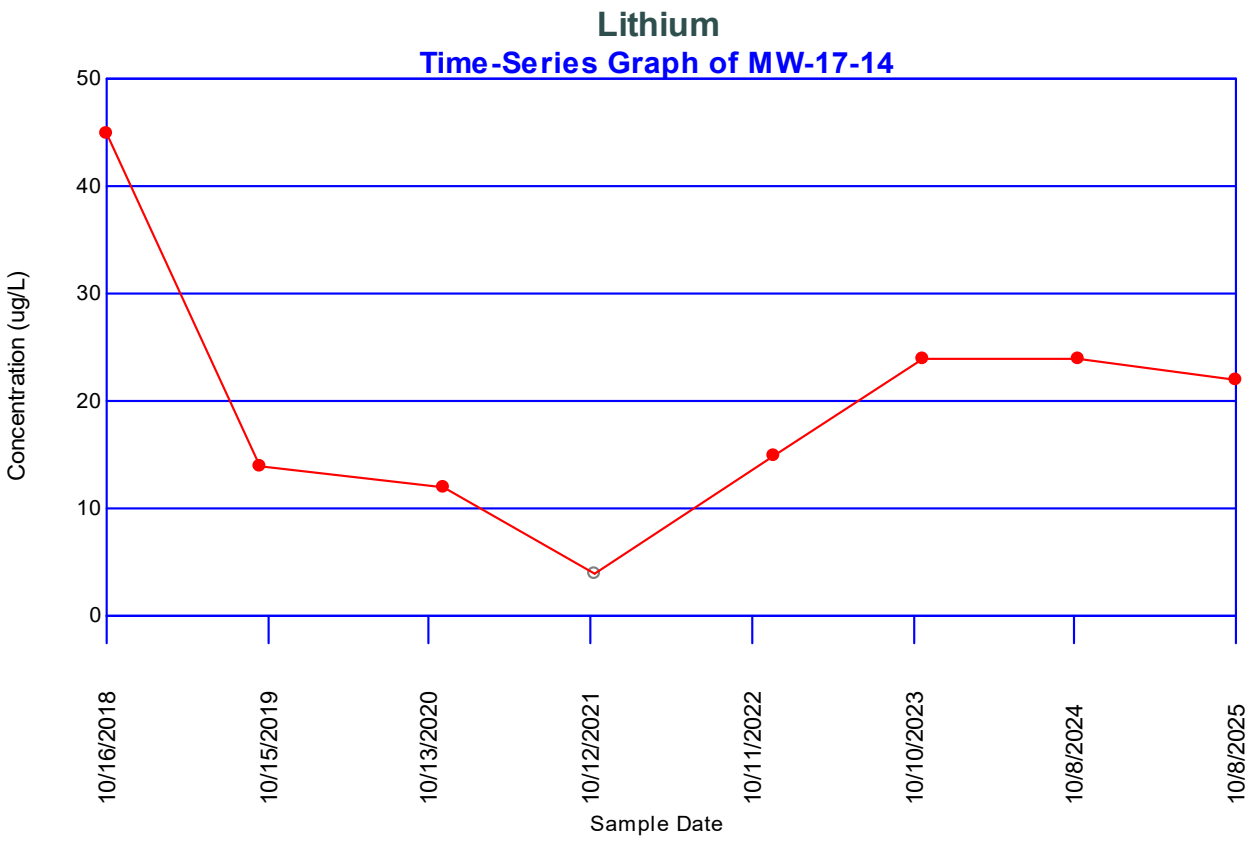
Loc.	Meas.	ND	Date	Conc.	Original
MW-16-04S	15	0 (0%)	8/5/2016	1.82	1.82
			9/30/2016	3.04	3.04
			11/18/2016	0.941	0.941
			1/20/2017	1.97	1.97
			3/10/2017	1.86	1.86
			4/28/2017	1.59	1.59
			6/16/2017	1.64	1.64
			7/21/2017	2.6	2.6
			4/6/2018	1.5	1.5
			5/30/2018	1.75	1.75
			10/16/2018	1.42	1.42
			9/26/2019	1.31	1.31
			10/21/2021	1.38	1.38
			10/15/2024	1.7	1.7
			10/8/2025	2.02	2.02
MW-17-05	5	2 (40%)	10/15/2018	ND<0.45 U	ND<0.45 U
			9/27/2019	ND<0.434 U	ND<0.434 U
			10/21/2021	1.41	1.41
			10/15/2024	2.88	2.88
			10/8/2025	2.75	2.75
MW-17-12	2	0 (0%)	10/21/2021	2.4	2.4
			10/15/2024	1.33	1.33
MW-17-13	2	0 (0%)	10/21/2021	1.05	1.05
			10/15/2024	1.15	1.15
MW-17-14	7	2 (28.5714%)	10/16/2018	0.906	0.906
			9/27/2019	1.75	1.75
			11/12/2020	ND<0.527 U	ND<0.527 U
			10/21/2021	ND<0.694 U	ND<0.694 U
			12/1/2022	2.59	2.59
			10/15/2024	5.82	5.82
			10/8/2025	5.09	5.09
MW-17-15	5	0 (0%)	10/16/2018	1.98	1.98
			9/26/2019	1.1	1.1
			10/21/2021	2.97	2.97
			10/15/2024	1.3	1.3
			10/8/2025	2.36	2.36

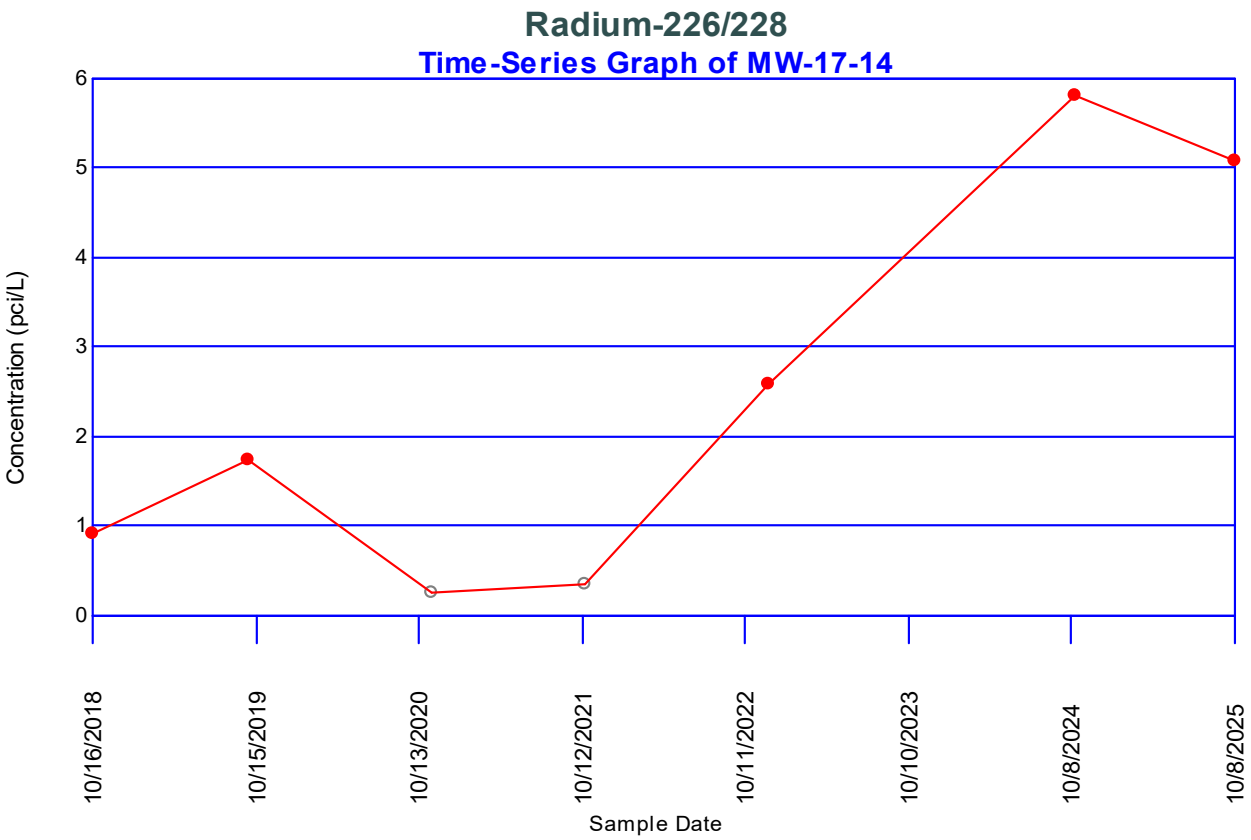
MW-17-18	5	0 (0%)	10/15/2018 9/27/2019 10/21/2021 10/15/2024 10/8/2025	2.31 1.13 1.85 1.91 1.7	2.31 1.13 1.85 1.91 1.7
MW-17-20	5	0 (0%)	10/16/2018 9/26/2019 10/20/2021 10/14/2024 10/8/2025	2.27 0.908 2.38 2.72 3.37	2.27 0.908 2.38 2.72 3.37

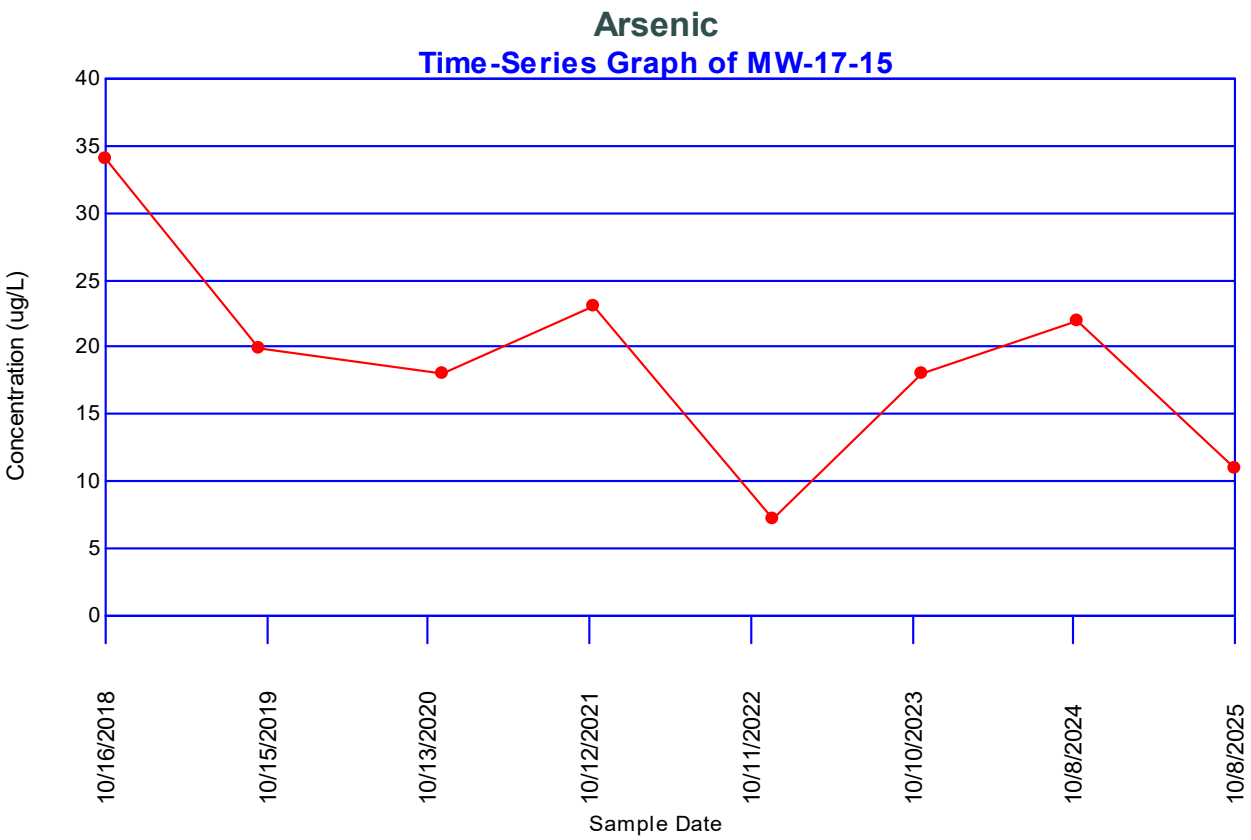
There are 2 unused locations

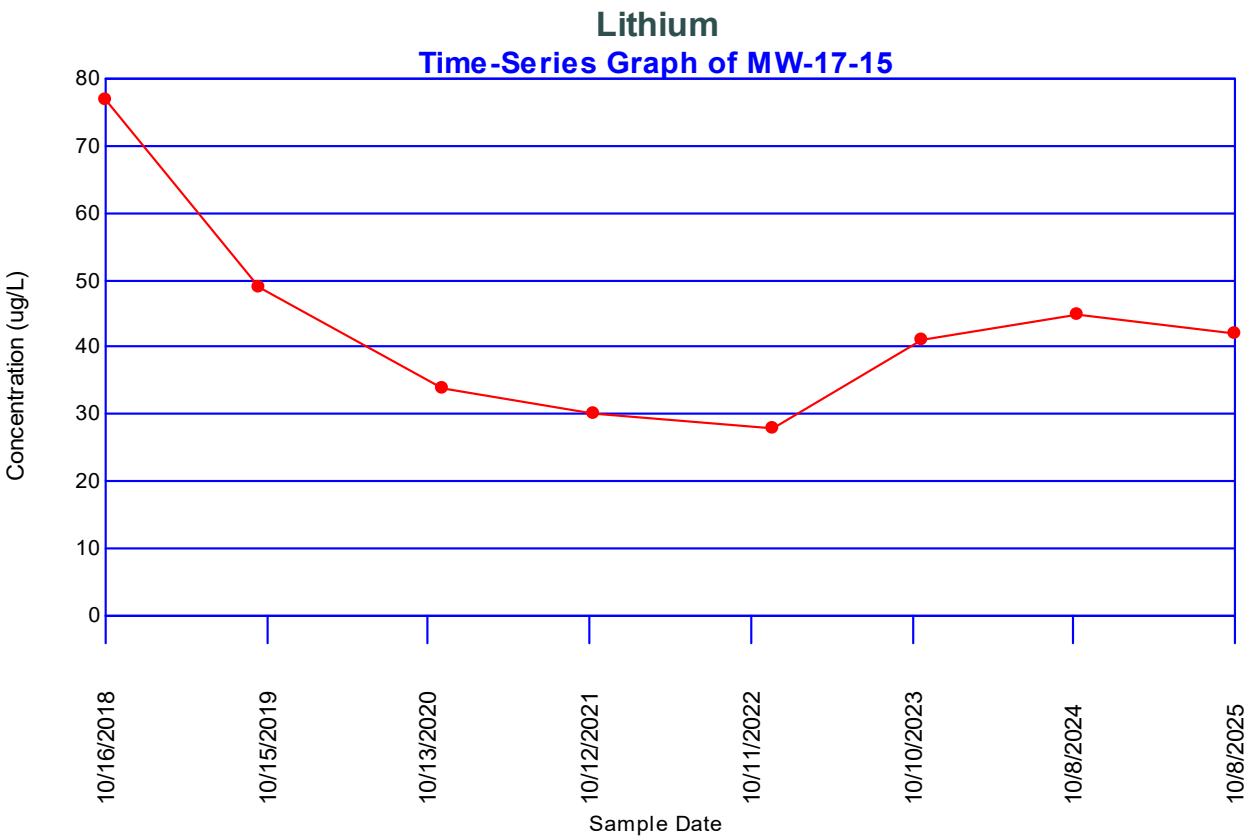
Loc.	Meas.	ND	Date	Conc.	Original
MW-17-08	2	0 (0%)	10/21/2021 10/14/2024	1.32 0.917	1.32 0.917
MW-17-19	2	0 (0%)	10/21/2021 10/14/2024	0.972 2.2	0.972 2.2


Lithium
Time-Series Graph of MW-17-05
Concentration (ug/L)
50
40
30
20
10
0
10/15/2018
10/14/2019
10/12/2020
10/11/2021
10/11/2022
10/10/2023
10/8/2024
10/8/2025
Sample Date


Lithium
Time-Series Graph of MW-17-14
Concentration (ug/L)
50
40
30
20
10
0
10/16/2018
10/15/2019
10/13/2020
10/12/2021
10/11/2022
10/10/2023
10/8/2024
10/8/2025
Sample Date


Radium-226/228
Time-Series Graph of MW-17-14
Concentration (pci/L)
0
1
2
3
4
5
6
10/16/2018
10/15/2019
10/13/2020
10/12/2021
10/11/2022
10/10/2023
10/8/2024
10/8/2025
Sample Date


Arsenic
Time-Series Graph of MW-17-15
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
10/16/2018
10/15/2019
10/13/2020
10/12/2021
10/11/2022
10/10/2023
10/8/2024
10/8/2025
Sample Date


Lithium
Time-Series Graph of MW-17-15
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
10/16/2018
10/15/2019
10/13/2020
10/12/2021
10/11/2022
10/10/2023
10/8/2024
10/8/2025
Sample Date

Sen's Slope Analysis

Parameter: Lithium

Location: MW-17-05

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
9.2 (9/27/2019)	13 (10/15/2018)	(9.2 - 13)/(2 - 1)	-3.8
14 (11/13/2020)	13 (10/15/2018)	(14 - 13)/(3 - 1)	0.5
11 (10/21/2021)	13 (10/15/2018)	(11 - 13)/(4 - 1)	-0.666667
17 (11/30/2022)	13 (10/15/2018)	(17 - 13)/(5 - 1)	1
43 (10/31/2023)	13 (10/15/2018)	(43 - 13)/(6 - 1)	6
42 (10/15/2024)	13 (10/15/2018)	(42 - 13)/(7 - 1)	4.83333
40 (10/8/2025)	13 (10/15/2018)	(40 - 13)/(8 - 1)	3.85714
14 (11/13/2020)	9.2 (9/27/2019)	(14 - 9.2)/(3 - 2)	4.8
11 (10/21/2021)	9.2 (9/27/2019)	(11 - 9.2)/(4 - 2)	0.9
17 (11/30/2022)	9.2 (9/27/2019)	(17 - 9.2)/(5 - 2)	2.6
43 (10/31/2023)	9.2 (9/27/2019)	(43 - 9.2)/(6 - 2)	8.45
42 (10/15/2024)	9.2 (9/27/2019)	(42 - 9.2)/(7 - 2)	6.56
40 (10/8/2025)	9.2 (9/27/2019)	(40 - 9.2)/(8 - 2)	5.13333
11 (10/21/2021)	14 (11/13/2020)	(11 - 14)/(4 - 3)	-3
17 (11/30/2022)	14 (11/13/2020)	(17 - 14)/(5 - 3)	1.5
43 (10/31/2023)	14 (11/13/2020)	(43 - 14)/(6 - 3)	9.66667
42 (10/15/2024)	14 (11/13/2020)	(42 - 14)/(7 - 3)	7
40 (10/8/2025)	14 (11/13/2020)	(40 - 14)/(8 - 3)	5.2
17 (11/30/2022)	11 (10/21/2021)	(17 - 11)/(5 - 4)	6
43 (10/31/2023)	11 (10/21/2021)	(43 - 11)/(6 - 4)	16
42 (10/15/2024)	11 (10/21/2021)	(42 - 11)/(7 - 4)	10.3333
40 (10/8/2025)	11 (10/21/2021)	(40 - 11)/(8 - 4)	7.25
43 (10/31/2023)	17 (11/30/2022)	(43 - 17)/(6 - 5)	26
42 (10/15/2024)	17 (11/30/2022)	(42 - 17)/(7 - 5)	12.5
40 (10/8/2025)	17 (11/30/2022)	(40 - 17)/(8 - 5)	7.66667
42 (10/15/2024)	43 (10/31/2023)	(42 - 43)/(7 - 6)	-1
40 (10/8/2025)	43 (10/31/2023)	(40 - 43)/(8 - 6)	-1.5
40 (10/8/2025)	42 (10/15/2024)	(40 - 42)/(8 - 7)	-2

Number of Q values = 28

Ordered Q Values

n	Q
1	-3.8
2	-3
3	-2
4	-1.5
5	-1
6	-0.666667
7	0.5

8	0.9
9	1
10	1.5
11	2.6
12	3.85714
13	4.8
14	4.83333
15	5.13333
16	5.2
17	6
18	6
19	6.56
20	7
21	7.25
22	7.66667
23	8.45
24	9.66667
25	10.3333
26	12.5
27	16
28	26

Sen's Estimator (Median Q) is 4.98333

Time Period	Observations
10/15/2018	1
9/27/2019	1
11/13/2020	1
10/21/2021	1
11/30/2022	1
10/31/2023	1
10/15/2024	1
10/8/2025	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 1176
b = 3024
c = 112
Group Variance = 65.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 13.2952
M1 = (28 - 13.2952)/2.0 = 7.35241
M2 = (28 + 13.2952)/2.0 + 1 = 21.6476
Lower limit is 0.5 = Q(7)
Upper limit is 7.66667 = Q(22)
0.5 > 0 indicating an upward trend in data.

Sen's Slope Analysis
Parameter: Lithium
Location: MW-17-14
Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
14 (9/27/2019)	45 (10/16/2018)	(14 - 45)/(2 - 1)	-31
12 (11/12/2020)	45 (10/16/2018)	(12 - 45)/(3 - 1)	-16.5
ND<4 U (10/21/2021)	45 (10/16/2018)	(4 - 45)/(4 - 1)	-13.6667
15 (12/1/2022)	45 (10/16/2018)	(15 - 45)/(5 - 1)	-7.5
24 (10/31/2023)	45 (10/16/2018)	(24 - 45)/(6 - 1)	-4.2
24 (10/15/2024)	45 (10/16/2018)	(24 - 45)/(7 - 1)	-3.5
22 (10/8/2025)	45 (10/16/2018)	(22 - 45)/(8 - 1)	-3.28571
12 (11/12/2020)	14 (9/27/2019)	(12 - 14)/(3 - 2)	-2
ND<4 U (10/21/2021)	14 (9/27/2019)	(4 - 14)/(4 - 2)	-5
15 (12/1/2022)	14 (9/27/2019)	(15 - 14)/(5 - 2)	0.333333
24 (10/31/2023)	14 (9/27/2019)	(24 - 14)/(6 - 2)	2.5
24 (10/15/2024)	14 (9/27/2019)	(24 - 14)/(7 - 2)	2
22 (10/8/2025)	14 (9/27/2019)	(22 - 14)/(8 - 2)	1.33333
ND<4 U (10/21/2021)	12 (11/12/2020)	(4 - 12)/(4 - 3)	-8
15 (12/1/2022)	12 (11/12/2020)	(15 - 12)/(5 - 3)	1.5
24 (10/31/2023)	12 (11/12/2020)	(24 - 12)/(6 - 3)	4
24 (10/15/2024)	12 (11/12/2020)	(24 - 12)/(7 - 3)	3
22 (10/8/2025)	12 (11/12/2020)	(22 - 12)/(8 - 3)	2
15 (12/1/2022)	ND<4 U (10/21/2021)	(15 - 4)/(5 - 4)	11
24 (10/31/2023)	ND<4 U (10/21/2021)	(24 - 4)/(6 - 4)	10
24 (10/15/2024)	ND<4 U (10/21/2021)	(24 - 4)/(7 - 4)	6.66667
22 (10/8/2025)	ND<4 U (10/21/2021)	(22 - 4)/(8 - 4)	4.5
24 (10/31/2023)	15 (12/1/2022)	(24 - 15)/(6 - 5)	9
24 (10/15/2024)	15 (12/1/2022)	(24 - 15)/(7 - 5)	4.5
22 (10/8/2025)	15 (12/1/2022)	(22 - 15)/(8 - 5)	2.33333
24 (10/15/2024)	24 (10/31/2023)	(24 - 24)/(7 - 6)	0
22 (10/8/2025)	24 (10/31/2023)	(22 - 24)/(8 - 6)	-1
22 (10/8/2025)	24 (10/15/2024)	(22 - 24)/(8 - 7)	-2

Number of Q values = 28

Ordered Q Values

n	Q
1	-31
2	-16.5
3	-13.6667
4	-8
5	-7.5
6	-5
7	-4.2

8	-3.5
9	-3.28571
10	-2
11	-2
12	-1
13	0
14	0.333333
15	1.33333
16	1.5
17	2
18	2
19	2.33333
20	2.5
21	3
22	4
23	4.5
24	4.5
25	6.66667
26	9
27	10
28	11

Sen's Estimator (Median Q) is 0.833333

Tied Group	Value	Members
1	24	2

Time Period	Observations
10/16/2018	1
9/27/2019	1
11/12/2020	1
10/21/2021	1
12/1/2022	1
10/31/2023	1
10/15/2024	1
10/8/2025	1

There are 0 time periods with multiple data

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 1176
b = 3024
c = 112
Group Variance = 64.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 13.193
M1 = (28 - 13.193)/2.0 = 7.40348
M2 = (28 + 13.193)/2.0 + 1 = 21.5965
Lower limit is -4.2 = Q(7)
Upper limit is 4 = Q(22)
-4.2 < 0 < 4 indicating no trend in data.

Sen's Slope Analysis

Parameter: Radium-226/228

Location: MW-17-14

Original Data (Not Transformed)

Aitchison's Adjustment

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
1.75 (9/27/2019)	0.906 (10/16/2018)	(1.75 - 0.906)/(2 - 1)	0.844
ND<0.527 U (11/12/2020)	0.906 (10/16/2018)	(0.527 - 0.906)/(3 - 1)	-0.1895
ND<0.694 U (10/21/2021)	0.906 (10/16/2018)	(0.694 - 0.906)/(4 - 1)	-0.0706667
2.59 (12/1/2022)	0.906 (10/16/2018)	(2.59 - 0.906)/(5 - 1)	0.421
5.82 (10/15/2024)	0.906 (10/16/2018)	(5.82 - 0.906)/(6 - 1)	0.9828
5.09 (10/8/2025)	0.906 (10/16/2018)	(5.09 - 0.906)/(7 - 1)	0.697333
ND<0.527 U (11/12/2020)	1.75 (9/27/2019)	(0.527 - 1.75)/(3 - 2)	-1.223
ND<0.694 U (10/21/2021)	1.75 (9/27/2019)	(0.694 - 1.75)/(4 - 2)	-0.528
2.59 (12/1/2022)	1.75 (9/27/2019)	(2.59 - 1.75)/(5 - 2)	0.28
5.82 (10/15/2024)	1.75 (9/27/2019)	(5.82 - 1.75)/(6 - 2)	1.0175
5.09 (10/8/2025)	1.75 (9/27/2019)	(5.09 - 1.75)/(7 - 2)	0.668
ND<0.694 U (10/21/2021)	ND<0.527 U (11/12/2020)	(0.694 - 0.527)/(4 - 3)	0.167
2.59 (12/1/2022)	ND<0.527 U (11/12/2020)	(2.59 - 0.527)/(5 - 3)	1.0315
5.82 (10/15/2024)	ND<0.527 U (11/12/2020)	(5.82 - 0.527)/(6 - 3)	1.76433
5.09 (10/8/2025)	ND<0.527 U (11/12/2020)	(5.09 - 0.527)/(7 - 3)	1.14075
2.59 (12/1/2022)	ND<0.694 U (10/21/2021)	(2.59 - 0.694)/(5 - 4)	1.896
5.82 (10/15/2024)	ND<0.694 U (10/21/2021)	(5.82 - 0.694)/(6 - 4)	2.563
5.09 (10/8/2025)	ND<0.694 U (10/21/2021)	(5.09 - 0.694)/(7 - 4)	1.46533
5.82 (10/15/2024)	2.59 (12/1/2022)	(5.82 - 2.59)/(6 - 5)	3.23
5.09 (10/8/2025)	2.59 (12/1/2022)	(5.09 - 2.59)/(7 - 5)	1.25
5.09 (10/8/2025)	5.82 (10/15/2024)	(5.09 - 5.82)/(7 - 6)	-0.73

Number of Q values = 21

Ordered Q Values

n	Q
1	-1.223
2	-0.73
3	-0.528
4	-0.1895
5	-0.0706667
6	0.167
7	0.28
8	0.421
9	0.668
10	0.697333
11	0.844
12	0.9828
13	1.0175
14	1.0315
15	1.14075

16	1.25
17	1.46533
18	1.76433
19	1.896
20	2.563
21	3.23

Sen's Estimator (Median Q) is 0.844

Time Period	Observations
10/16/2018	1
9/27/2019	1
11/12/2020	1
10/21/2021	1
12/1/2022	1
10/15/2024	1
10/8/2025	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 798
b = 1890
c = 84
Group Variance = 44.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 10.952
M1 = (21 - 10.952)/2.0 = 5.02401
M2 = (21 + 10.952)/2.0 + 1 = 16.976
Lower limit is -0.0706667 = Q(5)
Upper limit is 1.46533 = Q(17)
-0.0706667 < 0 < 1.46533 indicating no trend in data.

Sen's Slope Analysis

Parameter: Arsenic

Location: MW-17-15

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
20 (9/26/2019)	34 (10/16/2018)	(20 - 34)/(2 - 1)	-14
18 (11/12/2020)	34 (10/16/2018)	(18 - 34)/(3 - 1)	-8
23 (10/21/2021)	34 (10/16/2018)	(23 - 34)/(4 - 1)	-3.66667
7.2 (12/1/2022)	34 (10/16/2018)	(7.2 - 34)/(5 - 1)	-6.7
18 (10/31/2023)	34 (10/16/2018)	(18 - 34)/(6 - 1)	-3.2
22 (10/15/2024)	34 (10/16/2018)	(22 - 34)/(7 - 1)	-2
11 (10/8/2025)	34 (10/16/2018)	(11 - 34)/(8 - 1)	-3.28571
18 (11/12/2020)	20 (9/26/2019)	(18 - 20)/(3 - 2)	-2
23 (10/21/2021)	20 (9/26/2019)	(23 - 20)/(4 - 2)	1.5
7.2 (12/1/2022)	20 (9/26/2019)	(7.2 - 20)/(5 - 2)	-4.26667
18 (10/31/2023)	20 (9/26/2019)	(18 - 20)/(6 - 2)	-0.5
22 (10/15/2024)	20 (9/26/2019)	(22 - 20)/(7 - 2)	0.4
11 (10/8/2025)	20 (9/26/2019)	(11 - 20)/(8 - 2)	-1.5
23 (10/21/2021)	18 (11/12/2020)	(23 - 18)/(4 - 3)	5
7.2 (12/1/2022)	18 (11/12/2020)	(7.2 - 18)/(5 - 3)	-5.4
18 (10/31/2023)	18 (11/12/2020)	(18 - 18)/(6 - 3)	0
22 (10/15/2024)	18 (11/12/2020)	(22 - 18)/(7 - 3)	1
11 (10/8/2025)	18 (11/12/2020)	(11 - 18)/(8 - 3)	-1.4
7.2 (12/1/2022)	23 (10/21/2021)	(7.2 - 23)/(5 - 4)	-15.8
18 (10/31/2023)	23 (10/21/2021)	(18 - 23)/(6 - 4)	-2.5
22 (10/15/2024)	23 (10/21/2021)	(22 - 23)/(7 - 4)	-0.333333
11 (10/8/2025)	23 (10/21/2021)	(11 - 23)/(8 - 4)	-3
18 (10/31/2023)	7.2 (12/1/2022)	(18 - 7.2)/(6 - 5)	10.8
22 (10/15/2024)	7.2 (12/1/2022)	(22 - 7.2)/(7 - 5)	7.4
11 (10/8/2025)	7.2 (12/1/2022)	(11 - 7.2)/(8 - 5)	1.26667
22 (10/15/2024)	18 (10/31/2023)	(22 - 18)/(7 - 6)	4
11 (10/8/2025)	18 (10/31/2023)	(11 - 18)/(8 - 6)	-3.5
11 (10/8/2025)	22 (10/15/2024)	(11 - 22)/(8 - 7)	-11

Number of Q values = 28

Ordered Q Values

n	Q
1	-15.8
2	-14
3	-11
4	-8
5	-6.7
6	-5.4
7	-4.26667

8	-3.66667
9	-3.5
10	-3.28571
11	-3.2
12	-3
13	-2.5
14	-2
15	-2
16	-1.5
17	-1.4
18	-0.5
19	-0.333333
20	0
21	0.4
22	1
23	1.26667
24	1.5
25	4
26	5
27	7.4
28	10.8

Sen's Estimator (Median Q) is -2

Tied Group	Value	Members
1	18	2

Time Period	Observations
10/16/2018	1
9/26/2019	1
11/12/2020	1
10/21/2021	1
12/1/2022	1
10/31/2023	1
10/15/2024	1
10/8/2025	1

There are 0 time periods with multiple data

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 1176
b = 3024
c = 112
Group Variance = 64.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 13.193
M1 = (28 - 13.193)/2.0 = 7.40348
M2 = (28 + 13.193)/2.0 + 1 = 21.5965
Lower limit is -4.26667 = Q(7)
Upper limit is 1 = Q(22)
-4.26667 < 0 < 1 indicating no trend in data.

Sen's Slope Analysis

Parameter: Lithium

Location: MW-17-15

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

90% Confidence Level

Xj	Xk	(Xj - Xk)/(j-k)	Q
49 (9/26/2019)	77 (10/16/2018)	(49 - 77)/(2 - 1)	-28
34 (11/12/2020)	77 (10/16/2018)	(34 - 77)/(3 - 1)	-21.5
30 (10/21/2021)	77 (10/16/2018)	(30 - 77)/(4 - 1)	-15.6667
28 (12/1/2022)	77 (10/16/2018)	(28 - 77)/(5 - 1)	-12.25
41 (10/31/2023)	77 (10/16/2018)	(41 - 77)/(6 - 1)	-7.2
45 (10/15/2024)	77 (10/16/2018)	(45 - 77)/(7 - 1)	-5.33333
42 (10/8/2025)	77 (10/16/2018)	(42 - 77)/(8 - 1)	-5
34 (11/12/2020)	49 (9/26/2019)	(34 - 49)/(3 - 2)	-15
30 (10/21/2021)	49 (9/26/2019)	(30 - 49)/(4 - 2)	-9.5
28 (12/1/2022)	49 (9/26/2019)	(28 - 49)/(5 - 2)	-7
41 (10/31/2023)	49 (9/26/2019)	(41 - 49)/(6 - 2)	-2
45 (10/15/2024)	49 (9/26/2019)	(45 - 49)/(7 - 2)	-0.8
42 (10/8/2025)	49 (9/26/2019)	(42 - 49)/(8 - 2)	-1.16667
30 (10/21/2021)	34 (11/12/2020)	(30 - 34)/(4 - 3)	-4
28 (12/1/2022)	34 (11/12/2020)	(28 - 34)/(5 - 3)	-3
41 (10/31/2023)	34 (11/12/2020)	(41 - 34)/(6 - 3)	2.33333
45 (10/15/2024)	34 (11/12/2020)	(45 - 34)/(7 - 3)	2.75
42 (10/8/2025)	34 (11/12/2020)	(42 - 34)/(8 - 3)	1.6
28 (12/1/2022)	30 (10/21/2021)	(28 - 30)/(5 - 4)	-2
41 (10/31/2023)	30 (10/21/2021)	(41 - 30)/(6 - 4)	5.5
45 (10/15/2024)	30 (10/21/2021)	(45 - 30)/(7 - 4)	5
42 (10/8/2025)	30 (10/21/2021)	(42 - 30)/(8 - 4)	3
41 (10/31/2023)	28 (12/1/2022)	(41 - 28)/(6 - 5)	13
45 (10/15/2024)	28 (12/1/2022)	(45 - 28)/(7 - 5)	8.5
42 (10/8/2025)	28 (12/1/2022)	(42 - 28)/(8 - 5)	4.66667
45 (10/15/2024)	41 (10/31/2023)	(45 - 41)/(7 - 6)	4
42 (10/8/2025)	41 (10/31/2023)	(42 - 41)/(8 - 6)	0.5
42 (10/8/2025)	45 (10/15/2024)	(42 - 45)/(8 - 7)	-3

Number of Q values = 28

Ordered Q Values

n	Q
1	-28
2	-21.5
3	-15.6667
4	-15
5	-12.25
6	-9.5
7	-7.2

8	-7
9	-5.33333
10	-5
11	-4
12	-3
13	-3
14	-2
15	-2
16	-1.16667
17	-0.8
18	0.5
19	1.6
20	2.33333
21	2.75
22	3
23	4
24	4.66667
25	5
26	5.5
27	8.5
28	13

Sen's Estimator (Median Q) is -2

Time Period	Observations
10/16/2018	1
9/26/2019	1
11/12/2020	1
10/21/2021	1
12/1/2022	1
10/31/2023	1
10/15/2024	1
10/8/2025	1

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 1176
b = 3024
c = 112
Group Variance = 65.3333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 13.2952
M1 = (28 - 13.2952)/2.0 = 7.35241
M2 = (28 + 13.2952)/2.0 + 1 = 21.6476
Lower limit is -7.2 = Q(7)
Upper limit is 3 = Q(22)
-7.2 < 0 < 3 indicating no trend in data.

Skewness Coefficient

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-04S	18	2.5	0	**Div 0**
MW-17-05	8	2.5	0	**Div 0**
MW-17-12	4	6.825	2.977	-0.94991
MW-17-13	5	2.5	0	**Div 0**
MW-17-14	8	2.5	0	**Div 0**
MW-17-15	8	19.15	8.07164	0.32082
MW-17-18	8	2.5	0	**Div 0**
MW-17-20	8	2.5	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
67	4.74627	6.07676	**3.05149**

Confidence Interval

Parameter: Arsenic

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

Compliance Locations

Location	**MW-16-04S**
Mean	2.5
Std Dev	0
Degrees of Freedom	17
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.56694	[2.5, 2.5]	2.5	FALSE
95%	1.73961	[2.5, 2.5]	2.5	FALSE

Location	**MW-17-05**
Mean	2.5
Std Dev	0
Degrees of Freedom	7
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.5, 2.5]	2.5	FALSE
95%	1.89458	[2.5, 2.5]	2.5	FALSE

Location	**MW-17-12**
Mean	6.825
Std Dev	2.977
Degrees of Freedom	3
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	4.54071	[0.0661689, 13.5838]	6.825	FALSE
95%	2.35336	[3.32202, 10.328]	6.825	FALSE

Location	**MW-17-13**
Mean	2.5
Std Dev	0
Degrees of Freedom	4
Comparison Level	**32**
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.74694	[2.5, 2.5]	2.5	FALSE
95%	2.13185	[2.5, 2.5]	2.5	FALSE

Location	MW-17-14
Mean	2.5
Std Dev	0
Degrees of Freedom	7
Comparison Level	32
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.5, 2.5]	2.5	FALSE
95%	1.89458	[2.5, 2.5]	2.5	FALSE

Location	MW-17-15
Mean	19.15
Std Dev	8.07164
Degrees of Freedom	7
Comparison Level	32
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[10.5946, 27.7054]	19.15	FALSE
95%	1.89458	[13.7433, 24.5567]	19.15	FALSE

Location	MW-17-18
Mean	2.5
Std Dev	0
Degrees of Freedom	7
Comparison Level	32
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.5, 2.5]	2.5	FALSE
95%	1.89458	[2.5, 2.5]	2.5	FALSE

Location	MW-17-20
Mean	2.5
Std Dev	0
Degrees of Freedom	7
Comparison Level	32
Untransformed Comp. Level	32

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.5, 2.5]	2.5	FALSE
95%	1.89458	[2.5, 2.5]	2.5	FALSE

Skewness Coefficient

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-04S	18	24.7222	6.59595	0.990875
MW-17-05	8	23.65	15.1094	0.458354
MW-17-12	5	12.2	0.83666	-0.343622
MW-17-13	6	10.1667	2.56255	0.423866
MW-17-14	8	20.5	11.514	**1.17931**
MW-17-15	8	43.25	15.4712	**1.31811**
MW-17-18	8	19	1.69031	0.379473
MW-17-20	8	30.125	2.79987	-0.512064

All Locations

Obs.	Mean	Std. Dev.	Skewness
69	24.0464	12.4078	**1.37237**

Confidence Interval

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Compliance Locations

Location	**MW-16-04S**
Mean	24.7222
Std Dev	6.59595
Degrees of Freedom	17
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.56694	[20.7315, 28.713]	24.7222	FALSE
95%	1.73961	[22.0177, 27.4268]	24.7222	FALSE

Location	**MW-17-05**
Mean	23.65
Std Dev	15.1094
Degrees of Freedom	7
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[7.63501, 39.665]	23.65	FALSE
95%	1.89458	[13.5292, 33.7708]	23.65	FALSE

Location	**MW-17-12**
Mean	12.2
Std Dev	0.83666
Degrees of Freedom	4
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.74694	[10.798, 13.602]	12.2	FALSE
95%	2.13185	[11.4023, 12.9977]	12.2	FALSE

Location	**MW-17-13**
Mean	8.16667
Std Dev	4.66548
Degrees of Freedom	5
Comparison Level	**40**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.36493	[1.75758, 14.5758]	8.16667	FALSE
95%	2.01505	[4.32866, 12.0047]	8.16667	FALSE

Location	MW-17-14
Mean	20
Std Dev	12.2007
Degrees of Freedom	7
Comparison Level	40
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[7.06805, 32.932]	20	FALSE
95%	1.89458	[11.8276, 28.1724]	20	FALSE

Location	MW-17-15
Mean	43.25
Std Dev	15.4712
Degrees of Freedom	7
Comparison Level	40
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[26.8516, 59.6484]	43.25	FALSE
95%	1.89458	[32.8869, 53.6131]	43.25	FALSE

Location	MW-17-18
Mean	19
Std Dev	1.69031
Degrees of Freedom	7
Comparison Level	40
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[17.2084, 20.7916]	19	FALSE
95%	1.89458	[17.8678, 20.1322]	19	FALSE

Location	MW-17-20
Mean	30.125
Std Dev	2.79987
Degrees of Freedom	7
Comparison Level	40
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[27.1573, 33.0927]	30.125	FALSE
95%	1.89458	[28.2495, 32.0005]	30.125	FALSE

Skewness Coefficient

Parameter: Lithium

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-04S	18	3.17727	0.248287	0.606421
MW-17-05	8	2.98026	0.645264	0.292042
MW-17-12	5	2.49952	0.0694922	-0.412827
MW-17-13	6	1.94679	0.618832	0.0472673
MW-17-14	8	2.80902	0.708669	-0.774051
MW-17-15	8	3.71916	0.319828	0.710927
MW-17-18	8	2.94102	0.0880964	0.238521
MW-17-20	8	3.40142	0.0957836	-0.684378

All Locations

Obs.	Mean	Std. Dev.	Skewness
69	3.01705	0.599627	-0.850888

Confidence Interval

Parameter: Lithium

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Compliance Locations

Location	**MW-16-04S**
Mean	3.17727
Std Dev	0.248287
Degrees of Freedom	17
Comparison Level	**3.68888**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.56694	[3.02705, 3.32749]	3.17727	FALSE
95%	1.73961	[3.07546, 3.27907]	3.17727	FALSE

Location	**MW-17-05**
Mean	2.98026
Std Dev	0.645264
Degrees of Freedom	7
Comparison Level	**3.68888**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.29632, 3.6642]	2.98026	FALSE
95%	1.89458	[2.54804, 3.41248]	2.98026	FALSE

Location	**MW-17-12**
Mean	2.49952
Std Dev	0.0694922
Degrees of Freedom	4
Comparison Level	**3.68888**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.74694	[2.38307, 2.61597]	2.49952	FALSE
95%	2.13185	[2.43327, 2.56577]	2.49952	FALSE

Location	**MW-17-13**
Mean	1.94679
Std Dev	0.618832
Degrees of Freedom	5
Comparison Level	**3.68888**
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.36493	[1.09668, 2.7969]	1.94679	FALSE
95%	2.01505	[1.43771, 2.45587]	1.94679	FALSE

Location	MW-17-14
Mean	2.80902
Std Dev	0.708669
Degrees of Freedom	7
Comparison Level	3.68888
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.05787, 3.56016]	2.80902	FALSE
95%	1.89458	[2.33432, 3.28371]	2.80902	FALSE

Location	MW-17-15
Mean	3.71916
Std Dev	0.319828
Degrees of Freedom	7
Comparison Level	3.68888
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[3.38016, 4.05816]	3.71916	FALSE
95%	1.89458	[3.50493, 3.93339]	3.71916	FALSE

Location	MW-17-18
Mean	2.94102
Std Dev	0.0880964
Degrees of Freedom	7
Comparison Level	3.68888
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[2.84765, 3.0344]	2.94102	FALSE
95%	1.89458	[2.88201, 3.00003]	2.94102	FALSE

Location	MW-17-20
Mean	3.40142
Std Dev	0.0957836
Degrees of Freedom	7
Comparison Level	3.68888
Untransformed Comp. Level	40

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.99795	[3.2999, 3.50295]	3.40142	FALSE
95%	1.89458	[3.33726, 3.46558]	3.40142	FALSE

Skewness Coefficient

Parameter: Radium-226/228

Original Data (Not Transformed)

Aitchison's Adjustment

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-16-04S	15	1.7694	0.515186	**1.00248**
MW-17-05	5	1.408	1.40825	0.380628
MW-17-12	2	1.865	0.756604	0
MW-17-13	2	1.1	0.0707107	-6.61363e-015
MW-17-14	7	2.308	2.34819	0.724206
MW-17-15	5	1.942	0.767151	0.184431
MW-17-18	5	1.78	0.427668	-0.442094
MW-17-20	5	2.3296	0.903034	-0.640471

All Locations

Obs.	Mean	Std. Dev.	Skewness
46	1.86793	1.12079	**1.43792**

Confidence Interval

Parameter: Radium-226/228

Original Data (Not Transformed)

Aitchison's Adjustment

Compliance Locations

Location	**MW-16-04S**
Mean	1.7694
Std Dev	0.515186
Degrees of Freedom	14
Comparison Level	**5**
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	2.62449	[1.42029, 2.11851]	1.7694	FALSE
95%	1.76131	[1.53511, 2.00369]	1.7694	FALSE

Location	**MW-17-05**
Mean	1.408
Std Dev	1.40825
Degrees of Freedom	4
Comparison Level	**5**
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.74694	[-0.951779, 3.76778]	1.408	FALSE
95%	2.13185	[0.0653868, 2.75061]	1.408	FALSE

Location	**MW-17-12**
Mean	1.865
Std Dev	0.756604
Degrees of Freedom	1
Comparison Level	**5**
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	31.821	[-15.1592, 18.8892]	1.865	FALSE
95%	2.91999	[0.302807, 3.42719]	1.865	FALSE

Location	**MW-17-13**
Mean	1.1
Std Dev	0.0707107
Degrees of Freedom	1
Comparison Level	**5**
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	31.821	[-0.491048, 2.69105]	1.1	FALSE
95%	2.91999	[0.954001, 1.246]	1.1	FALSE

Location	MW-17-14
Mean	2.308
Std Dev	2.34819
Degrees of Freedom	6
Comparison Level	5
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.14267	[-0.481216, 5.09722]	2.308	FALSE
95%	1.94318	[0.583366, 4.03263]	2.308	FALSE

Location	MW-17-15
Mean	1.942
Std Dev	0.767151
Degrees of Freedom	4
Comparison Level	5
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.74694	[0.6565, 3.2275]	1.942	FALSE
95%	2.13185	[1.21061, 2.67339]	1.942	FALSE

Location	MW-17-18
Mean	1.78
Std Dev	0.427668
Degrees of Freedom	4
Comparison Level	5
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.74694	[1.06336, 2.49664]	1.78	FALSE
95%	2.13185	[1.37227, 2.18773]	1.78	FALSE

Location	MW-17-20
Mean	2.3296
Std Dev	0.903034
Degrees of Freedom	4
Comparison Level	5
Untransformed Comp. Level	5

Confidence	t-Stat	Interval	Mid-Point	Significant
99%	3.74694	[0.816403, 3.8428]	2.3296	FALSE
95%	2.13185	[1.46866, 3.19054]	2.3296	FALSE

Appendix F
Well Network Certification

1540 Eisenhower Pl.
Ann Arbor, MI 48108

T 734.971.7080

Technical Memorandum

Date:	January 30, 2026
To:	DTE Electric Company Operating Record
From:	David B. McKenzie, P.E.
Subject:	Groundwater Monitoring System Certification, §257.91(f)
	River Rouge Power Plant, Bottom Ash Basin CCR Unit

Introduction

According to Title 40 Code of Federal Regulations (40 CFR) Part 257, Subpart D, §257.91(f); the owner or operator of a Coal Combustion Residual (CCR) management unit must obtain a certification from a qualified professional engineer stating that the groundwater monitoring system at the CCR unit has been designed and constructed to meet the requirements of §257.91. Additionally, §257.91(a) details a performance standard requiring the system monitor the uppermost aquifer and include a minimum of at least one upgradient and three downgradient monitoring wells, and that if the uppermost aquifer monitoring system includes the minimum number of wells, the basis supporting use of only the minimum.

Groundwater Monitoring System

A groundwater monitoring system has been established for the River Rouge Power Plant Bottom Ash Basin CCR Unit, which established the following locations for determining background groundwater quality and detection/assessment monitoring. The downgradient monitoring network accurately represents the quality of groundwater passing the waste boundary and ensures detection of groundwater contamination in the uppermost aquifer based on the groundwater flow regime.

Background:

- MW-17-06
- MW-17-07

Downgradient Monitoring Wells:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-17-16
- MW-17-17

Provided herein, as required by §257.91(f), is certification from a qualified professional engineer that the groundwater monitoring system at the River Rouge Power Plant Bottom Ash Basin CCR Unit meets the requirements of §257.91.

Certification

Professional Engineer Certification Statement [40 CFR 257.94(e)2]

I hereby certify that, having reviewed the 2025 Annual Report for the River Rouge Power Plant Bottom Ash Basin CCR Unit, and being familiar with the provisions of Title 40 of the Code of Federal Regulations §257.91 (40 CFR Part 257.91), I attest that this Groundwater Monitoring System has been designed and constructed to meet the requirements of 40 CFR 257.91. The report is accurate and has been prepared in accordance with good engineering practices, including the consideration of applicable industry standards, and with the requirements of 40 CFR Part 257.91.

Signature

1/30/26

Date of Certification

David B. McKenzie

Name

620-1042332

Professional Engineer Certification Number