2024 Annual Groundwater Monitoring Report

Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill Coal Combustion Residual Units

January 2025

Prepared For:

DTE Electric Company
7955 East Dunbar Road
Monroe, Michigan

Prepared By:

TRC
1540 Eisenhower Place
Ann Arbor, Michigan 48108

Vincent E. Buening, C.P.G.
Senior Project Manager

David B. McKenzie, P.E.
Senior Project Engineer

Sarah B. Holmstrom P.G.
Senior Hydrogeologist

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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) Monroe Power Plant (MONPP) Coal Combustion Residual Fly Ash Basin and Vertical Extension Landfill (FAB & VEL) CCR units. 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 Groundwater Monitoring Report for calendar year 2024 activities at the MONPP FAB & VEL CCR units.

The MONPP FAB & VEL were operating under the detection monitoring program at the start of the 2024 annual reporting period and remained in the detection monitoring program through the end of the 2024 annual reporting period. The semiannual detection monitoring events for 2024 were completed in April and October 2024 and included sampling and analyzing groundwater within the groundwater monitoring system for the indicator parameters listed in Appendix III to the CCR Rule. As part of the statistical evaluation, the data collected during detection monitoring events are evaluated to identify statistically significant increases (SSIs) in Appendix III parameters to determine if concentrations in groundwater exceed prediction limits. Detection monitoring data that has been collected and evaluated under §257.90 through §257.98 in 2023 are presented in this report.

No SSIs over prediction limits were noted for the Appendix III constituents in the monitoring wells during the April and October 2024 monitoring events. Potential SSIs above prediction limits were noted for boron in six monitoring wells during the October 2024 monitoring event. These potential SSIs were not statistically significant (i.e. verification resampling did not confirm the exceedance). Therefore, detection monitoring will continue at the MONPP FAB & VEL CCR units in accordance with §257.94. In addition, based on the artesian conditions, the low permeability of the laterally contiguous underlying natural soils, and the calculated time of travel for groundwater to flow vertically from the MONPP FAB & VEL to the uppermost aquifer, there is no reasonable probability for the uppermost aquifer to have been affected by CCR from FAB & VEL operations that began in 1975.

1.0 Introduction

1.1 Program 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) Monroe Power Plant (MONPP) Coal Combustion Residual Fly Ash Basin and Vertical Extension Landfill (FAB & VEL) CCR units. 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 2024 Annual Groundwater Monitoring Report for calendar year 2024 activities at the MONPP FAB & VEL CCR units (2024 Annual Report).

This 2024 Annual Report presents the monitoring results and the statistical evaluation of the detection monitoring parameters (Appendix III to Part 257 of the CCR Rule) for the April and October 2024 semiannual groundwater monitoring events for the MONPP FAB & VEL CCR units. Detection monitoring for these events continued to be performed in accordance with the *CCR Groundwater Monitoring and Quality Assurance Project Plan – DTE Electric Company Monroe Power Plant Coal Combustion Residual Fly Ash Basin* (QAPP) (TRC, August 2016; revised March 2017) and statistically evaluated per the *Groundwater Statistical Evaluation Plan –Monroe Power Plant Coal Combustion Residual Fly Ash Basin* (Stats Plan) (TRC, October 2017). As part of the statistical evaluation, the data collected during detection monitoring events are evaluated to identify SSIs of detection monitoring parameters compared to background levels.

Additional site characterization was completed in late 2020 and 2021 with soil hydraulic conductivity testing extending into December 2022, including additional soil borings, cone penetrometer testing (CPT), soil sample collection for additional clay-rich soil laboratory hydraulic conductivity testing and additional slug testing (to measure the hydraulic conductivity of the uppermost aquifer in wells not previously tested) in support of the Preliminary Alternative Liner Demonstration (ALD) that was submitted to EPA on April 10, 2023 (Geosyntec 2023). The ALD concludes that there is no reasonable probability that water from FAB will cause releases to groundwater throughout the active life of the CCR unit at concentrations that will exceed the groundwater protection standard at the waste boundary.

From December 2022 to April 2023 DTE Electric performed an additional uppermost aquifer characterization as detailed in the April 2023 *Additional Uppermost Aquifer Characterization Study, Monroe Power Plant Fly Ash Basin CCR Unit, 7955 East Dunbar Road, Monroe, Michigan* (Aquifer Characterization Study) prepared by TRC (TRC, April 2023). The Aquifer Characterization Study presents an analysis of geochemical, stable isotopic, and tritium data collected in December 2022 along with pre-existing data from the MONPP FAB CCR unit that confirms the uppermost aquifer is not in hydraulic communication with the CCR unit and further

demonstrates that the uppermost aquifer groundwater is unaffected by the CCR unit water.

1.2 Site Overview

The MONPP FAB & VEL is located about one mile southwest of the MONPP in Section 16, Township 7 South, Range 9 East at 7955 East Dunbar Road, Monroe, Monroe County, Michigan (Figure 1). The MONPP FAB & VEL is bounded by Dunbar Road and Plum Creek to the north and northeast, Interstate 75 to the northwest, a 200-acre peninsula into Lake Erie to the east and southeast, Lake Erie to the south, and a large open field to the southwest (Figure 2).

The property has been used continuously for the operation of the MONPP FAB & VEL since approximately 1975 and is constructed over a natural clay-rich soil base. The MONPP FAB & VEL are owned by DTE Electric and received coal ash from DTE Electric's MONPP through December 29, 2023, following conversion to dry handling of fly ash. The MONPP FAB & VEL are operated in accordance with Michigan Part 115 of the Natural Resources and Environmental Protection Act (NREPA), PA 451 of 1994, as amended, and are licensed as a Coal Ash Surface Impoundment and a Coal Ash Landfill under the current operating license number 9579. The MONPP FAB & VEL are currently undergoing closure pursuant to Part 115 and the CCR Rule, during which groundwater monitoring is required to continue.

1.3 Geology/Hydrogeology

The MONPP FAB & VEL CCR units are located southwest of Plum Creek and immediately north of Lake Erie. The MONPP FAB & VEL CCR units uppermost aquifer consists of saturated limestone and a 5- to 10-foot-thick layer of weathered limestone mixed with clay, sand, and/or gravel, both present beneath at least 14 to 34 feet of thick contiguous silty clay-rich soil that serves as a natural confining hydraulic barrier that isolates the underlying uppermost aquifer (TRC, 2017 and Geosyntec, 2023). The limestone bedrock aquifer is artesian in every location except MW1601, where the static water level was approximately 1 to 2 feet below ground surface (ft bgs).

Potentiometric groundwater elevation data from 2016 through 2024 show that there is horizontal groundwater flow potential within the upper aquifer unit generally to the northeast towards Plum Creek. The average hydraulic gradient to the northeast is on the order of 0.002 foot/foot along the eastern part of the MONPP FAB & VEL to 0.004 to 0.005 foot/foot in the center and northwestern part of the FAB & VEL, with an overall mean of 0.004 foot/foot in 2024.

2.0 Groundwater Monitoring

2.1 Monitoring Well Network

A groundwater monitoring system has been established for the MONPP FAB & VEL CCR units as detailed in the Groundwater Monitoring System Summary Report – Monroe Power Plant Coal Combustion Residual Fly Ash Basin (GWMS Report) (TRC, October 2017). The detection monitoring well network for the MONPP FAB & VEL CCR units currently consists of seven monitoring wells that are screened in the uppermost aquifer. Monitoring wells MW-16-01 through MW-16-07 are located around the perimeter of the MONPP FAB & VEL CCR units and provide data on both background and downgradient groundwater quality that has not been affected by the CCR units (total of seven background/downgradient monitoring wells). The monitoring well locations are shown on Figure 2.

2.2 Semiannual Groundwater Monitoring

The semiannual monitoring parameters for the detection groundwater monitoring program were selected per the CCR Rule's Appendix III to Part 257 – Constituents for Detection Monitoring. The Appendix III indicator parameters consist of boron, calcium, chloride, fluoride, pH (field reading), sulfate, and total dissolved solids (TDS) and were analyzed in accordance with the sampling and analysis plan included within the QAPP. In addition to pH, the collected field parameters included dissolved oxygen, oxidation reduction potential, specific conductivity, temperature, and turbidity.

2.2.1 Data Summary

The first semiannual groundwater detection monitoring event for 2024 was performed April 2, 2024 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 seven monitoring well locations. Groundwater samples were collected from the seven detection monitoring wells for the Appendix III indicator parameters and field parameters. A summary of the groundwater data collected during the April 2024 event is provided on Table 1 (static groundwater elevation data), Table 2 (field data), and Table 3 (analytical results).

The second semiannual groundwater detection monitoring event for 2024 was performed on October 21 and 22, 2024 by TRC personnel and samples were analyzed by Eurofins in accordance with the QAPP. Static water elevation data were collected at all seven monitoring well locations. Groundwater samples were collected from the seven detection monitoring wells for the Appendix III indicator parameters and field parameters. A summary of the groundwater data collected during the second semiannual groundwater detection monitoring event is provided on Table 1 (static groundwater elevation data), Table 2 (field data), and Table 4 (analytical results). The laboratory analytical reports and field data are included in Appendix A.

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 B.

2.2.3 Groundwater Flow Rate and Direction

Groundwater elevation data collected during the April sampling event and the October 2024 sampling event continue to show that groundwater within the uppermost aquifer generally flows to the northeast. Groundwater potentiometric surface elevations measured during the April and October 2024 events are provided on Table 1 and were used to construct the groundwater potentiometric surface maps shown on Figure 3 and Figure 4, respectively.

The groundwater flow rate and direction are consistent with previous monitoring events. The average hydraulic gradients throughout the MONPP FAB/VEL CCR unit during the April and October 2024 events was approximately 0.004 ft/ft. Using the average hydraulic conductivity of 14 feet/day (TRC, 2017 and Geosyntec, 2021) and an assumed effective porosity of 0.1, the estimated seepage velocity is 0.56 feet/day (approximately 200 feet/year) throughout the 2024 monitoring period.

The general flow rate and direction from both events are similar to that identified in previous monitoring rounds and continues to demonstrate that the monitoring wells are appropriately positioned to detect the presence of Appendix III parameters that could potentially migrate from the MONPP FAB & VEL CCR units.

3.0 Statistical Evaluation

3.1 Establishing Background Limits

As discussed in the Stats Plan, intrawell statistical methods for MONPP FAB & VEL were selected based on the geology and hydrogeology at the site (primarily the presence of clay/hydraulic barrier and the hydraulic separation between the CCR units and underlying uppermost aquifer), in addition to other supporting lines of evidence that the aquifer is unaffected by the CCR units that have been further demonstrated in the ALD and Aquifer Characterization Study. An intrawell statistical approach requires that each monitoring well doubles as a background and compliance well, where data from each individual well during a detection monitoring event is compared to a statistical limit developed using the background dataset from that same well.

Per the Stats Plan, background limits were established for the Appendix III indicator parameters following the collection of at least eight background monitoring events using data collected from each of the seven established detection monitoring wells (MW-16-01 through MW-16-07). The initial statistical evaluation of the background data is presented in the 2017 Annual Report (TRC, January 2018). The Appendix III background limits for each monitoring well will be used throughout the detection monitoring period to determine whether groundwater has been impacted from the MONPP FAB & VEL CCR units by comparing concentrations in the detection monitoring wells to their respective background limits for each Appendix III indicator parameter.

Consistent with the Stats Plan and the *USEPA's Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance* (Unified Guidance, USEPA, 2009), prediction limits are periodically updated to reflect the additional data and additional temporal variability observed over time. The Appendix III prediction limits at MONPP FAB & VEL were updated per the Stats Plan and Unified Guidance in December 2021 to incorporate additional data since 2017 as presented in the December 15, 2021 Technical Memorandum, *Prediction Limit Update – DTE Electric Company, Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill* (included as Appendix C in the *2021 Annual Groundwater Monitoring Report – DTE Electric Company, Sibley Quarry Landfill, Coal Combustion Residual Unit*, TRC, January 2022).

3.2 Data Comparison to Background Limits – First 2024 Semiannual Event (April 2024)

The concentrations of the indicator parameters in each of the detection monitoring wells (MW-16-01 through MW-16-07) were compared to their respective statistical background limits calculated from the background data collected from each individual well (i.e., monitoring data from MW-16-01 is compared to the background limit developed using the background dataset from MW-16-01, and so forth).

The statistical evaluation of the April 2024 Appendix III indicator parameters shows no potential initial SSIs compared to background for any of the constituents. The comparisons for the April detection monitoring event are presented on Table 3.

3.3 Data Comparison to Background Limits – Second 2024 Semiannual Event (October 2024)

The concentrations of the indicator parameters in each of the detection monitoring wells (MW-16-01 through MW-16-07) were compared to their respective statistical background limits calculated from the background data collected from each individual well (i.e., monitoring data from MW-16-01 is compared to the background limit developed using the background dataset from MW-16-01, and so forth).

The statistical evaluation of the October 2024 Appendix III indicator parameters shows potential SSIs over background for:

- Boron at MW-16-01, MW-16-02, MW-16-03, MW-16-04, MW-16-05, and MW-16-06.

The initial observation of a constituent concentration above the established background limits does not constitute a SSI. Per the Stats Plan, if there is an initial exceedance of a prediction limit for one or more of the constituents that have not been attributed to an alternate source, the well(s) of concern can be resampled within 30 days of the completion of the initial statistical analysis for verification purposes. Therefore, verification resampling was performed at MW-16-01, MW-16-02, MW-16-03, MW-16-04, MW-16-05, and MW-16-06 for boron as described in Section 3.4. There were no potential SSIs compared to background for calcium, chloride, fluoride, pH, sulfate, or TDS. The comparisons for the October detection monitoring event are presented on Table 4.

3.4 Verification Resampling – Second Semiannual Event (October 2024)

Verification resampling is recommended per the Stats Plan and the Unified Guidance to achieve performance standards as specified by §257.93(g) in the CCR Rule. Per the Stats Plan, if there is an exceedance of a prediction limit for one or more of the parameters, the well(s) of concern will be resampled within 30 days of the completion of the initial statistical analysis. Constituents that initially exceed their statistical limit (i.e., have no previously recorded SSIs) will be analyzed for verification purposes. As such, verification resampling for the October 2024 event was conducted on December 5 and 6, 2024, by TRC personnel. Groundwater samples were collected for boron at MW-16-01, MW-16-02, MW-16-03, MW-16-04, MW-16-05, and MW-16-06 in accordance with the QAPP. A summary of the groundwater data collected during the verification resampling event is provided on Table 4. The associated data quality review is included in Appendix B.

The December 2024 verification sampling did not confirm the SSIs for boron at monitoring wells MW-16-01, MW-16-02, MW-16-03, MW-16-04, MW-16-05, and MW-16-06. Therefore, in accordance with the Stats Plan and the Unified Guidance, the initial boron exceedances are not statistically significant, and no SSIs were recorded at MW-16-01, MW-16-02, MW-16-03, MW-16-04, MW-16-05, and MW-16-06 during the October 2024 sampling event. As such, DTE Electric will continue detection monitoring at the MONPP FAB & VEL CCR Unit in 2025 pursuant to §257.94 of the CCR Rule.

4.0 Conclusions and Recommendations

No SSIs over background limits were observed during the April and October 2024 monitoring events. Therefore, detection monitoring will continue at the MONPP FAB & VEL in accordance with §257.94.

In addition, as discussed above, and in the GWMS Report as well as in the ALD and Aquifer Characterization Study, based on the artesian conditions, the low permeability of the laterally contiguous underlying natural soils, and the calculated time of travel for groundwater to flow vertically from the MONPP FAB & VEL to the uppermost aquifer, there is no reasonable probability for the uppermost aquifer to have been affected by CCR from FAB & VEL operations that began in 1975.

No corrective actions were performed in 2024. The next semiannual monitoring event at the MONPP FAB & VEL CCR units is scheduled for the second calendar quarter of 2025.

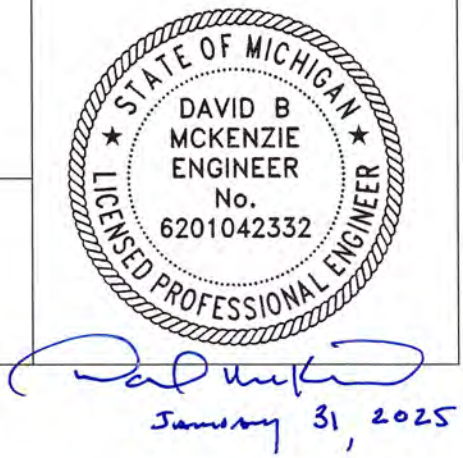
5.0 Groundwater Monitoring Report Certification

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
Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill
Monroe, Michigan

CERTIFICATION

I hereby certify that the annual groundwater monitoring and corrective action report presented within this document for the MONPP FAB & VEL CCR units 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, 2025	
Company: TRC Engineers Michigan, Inc.	Date: January 31, 2025	

January 31, 2025

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USEPA. April 2018. Barnes Johnson (Office of Resource Conservation and Recovery) to James Roewer (c/o Edison Electric Institute) and Douglas Green, Margaret Fawal (Venable LLP). Re: Coal Combustion Residuals Rule Groundwater Monitoring Requirements. April 30, 2018. United States Environmental Protection Agency, Washington, D.C. 20460. Office of Solid Waste and Emergency Response, now the Office of Land and Emergency Management.

Tables

Table 1
Summary of Groundwater Elevation Summary – April and October 2024
Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill - RCRA CCR Monitoring Program
Monroe, Michigan

Well ID	MW-16-01		MW-16-02		MW-16-03		MW-16-04		MW-16-05		MW-16-06		MW-16-07	
Date Installed	2/17/2016		2/18/2016		2/16/2016		2/15/2016		4/13/2016		4/13/2016		4/14/2016	
TOC Elevation	581.74		581.81		579.95		585.54		580.42		581.94		578.40	
Geologic Unit of Screened Interval	Silt/Limestone Interface		Silt/Limestone Interface		Sand & Silty Clay Limestone Interface		Silty Sand and Gravel		Limestone		Gravel and Cobbles		Silt/Limestone Interface	
Screened Interval Elevation	530.9 to 525.9		526.4 to 521.4		540.3 to 535.3		541.6 to 536.6		540.5 to 535.5		534.2 to 529.2		540.4 to 535.4	
Unit	ft BTOC	ft	ft BTOC	ft	ft BTOC	ft	ft BTOC	ft	ft BTOC	ft	ft BTOC	ft	ft BTOC	ft
Measurement Date	Depth to Water	GW Elevation	Depth to Water	GW Elevation	Depth to Water	GW Elevation	Depth to Water	GW Elevation	Depth to Water	GW Elevation	Depth to Water	GW Elevation	Depth to Water	GW Elevation
04/02/2024	4.26	577.48	-3.37	585.18	-11.32	591.27	-14.78	600.32	-14.39	594.81	0.00	581.94	-7.23	585.63
10/23/2024	4.94	576.80	-2.47	584.28	-10.25	590.20	-10.95	596.49	-12.24	592.66	1.15	580.79	-4.39	582.79

Notes:

Negative depth to water measurement indicates artesian conditions, actual measured water level is above the top of casing.

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

ft BTOC - feet below top of casing

Table 2
Summary of Field Parameters – April and October 2024
Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill - RCRA CCR Monitoring Program
Monroe, Michigan

Sample Location	Sample Date	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH (SU)	Specific Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)
MW-16-01	4/2/2024	1.20	-46.5	7.2	2,069	9.5	3.95
	10/22/2024	0.07	95.7	7.1	1,684	12.7	1.69
	12/5/2024(1)	0.11	41.7	7.3	1,686	11.4	4.97
MW-16-02	4/2/2024	0.58	-123.0	7.2	2,123	10.6	3.50
	10/21/2024	0.19	36.0	7.0	1,984	13.9	3.89
	12/5/2024(1)	0.04	17.0	7.2	1,733	9.50	12.9
MW-16-03	4/2/2024	1.75	-1.7	7.0	1,703	11.6	1.91
	10/21/2024	0.29	-7.8	7.0	2,038	12.5	2.49
	12/6/2024(1)	0.17	-9.7	7.2	1,781	11.5	5.23
MW-16-04	4/2/2024	1.77	-6.2	7.0	1,606	11.3	0.81
	10/21/2024	0.27	-169.2	7.1	1,930	11.9	1.32
	12/5/2024(1)	0.06	-195.3	7.3	1,689	11.2	4.49
MW-16-05	4/2/2024	1.74	-3.5	7.0	1,605	11.8	2.23
	10/21/2024	0.28	-57.9	7.1	1,912	12.4	1.38
	12/6/2024(1)	0.49	-1.8	7.1	1,664	11.2	4.79
MW-16-06	4/2/2024	0.87	-91.0	7.2	2,087	10.4	8.90
	10/22/2024	0.24	-8.0	7.1	1,706	12.7	7.08
	12/5/2024(1)	0.17	7.0	7.2	1,701	9.2	12.6
MW-16-07	4/2/2024	1.70	-14.6	7.0	1,587	11.4	3.88
	10/21/2024	0.28	-41.5	7.0	1,900	13.0	1.78

Notes:
mg/L -Milligrams per Liter.
mV - Millivolts.
SU - Standard Units.
umhos/cm - Micromhos per centimeter.
°C - Degrees Celsius.
NTU - Nephelometric Turbidity Unit
(1) - Results shown for verification sampling performed on 12/5/2024 and 12/6/2024.

Table 3
Comparison of Appendix III Parameter Results to Background Limits – April 2024
Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill - RCRA CCR Monitoring Program
Monroe, Michigan

Sample Location:		MW-16-01		MW-16-02		MW-16-03		MW-16-04		MW-16-05		MW-16-06		MW-16-07	
Sample Date:		4/2/2024	PL	4/2/2024	PL	4/2/2024	PL	4/2/2024	PL	4/2/2024	PL	4/2/2024	PL	4/2/2024	PL
Constituent	Unit	Data		Data		Data		Data		Data		Data		Data	
Appendix III															
Boron	ug/L	240	300	380	450	450	500	160	210	220	270	340	390	200	250
Calcium	ug/L	410,000	440,000	410,000	430,000	420,000	470,000	530,000	600,000	410,000	440,000	410,000	420,000	410,000	440,000
Chloride	mg/L	10	12	13	15	19	20	34	36	11	12	11	12	7.7	12
Fluoride	mg/L	1.7	1.8	1.5	1.7	1.5	1.7	0.91	1.1	1.4	1.6	1.5	1.7	1.4	1.7
pH, Field	su	7.2	6.9 - 8.6	7.2	6.9 - 7.3	7.0	6.7 - 7.3	7.0	7.0 - 7.5	7.0	6.9 - 7.7	7.2	7.0 - 7.3	7.0	6.9 - 7.4
Sulfate	mg/L	1,400	1,600	1,500	1,700	1,500	1,700	1,300	1,500	1,400	1,600	1,400	1,600	1,400	1,600
Total Dissolved Solids	mg/L	2,100	2,200	2,200	2,300	2,200	2,400	2,100	2,300	2,200	2,200	2,100	2,300	2,000	2,200

Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
All metals were analyzed as total unless otherwise specified.
Bold font indicates an exceedance of the Prediction Limit (PL).

Table 4
Comparison of Appendix III Parameter Results to Background Limits – October 2024
Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill - RCRA CCR Monitoring Program
Monroe, Michigan

Sample Location:		MW-16-01			MW-16-02			MW-16-03			MW-16-04			MW-16-05			MW-16-06			MW-16-07	
Sample Date:		10/22/2024	12/5/2024[(1)]	PL	10/21/2024	12/5/2024[(1)]	PL	10/21/2024	12/6/2024[(1)]	PL	10/21/2024	12/5/2024[(1)]	PL	10/21/2024	12/6/2024[(1)]	PL	10/22/2024	12/5/2024[(1)]	PL	10/21/2024	PL
Constituent	Unit	Data	Data		Data	Data		Data	Data		Data	Data		Data	Data		Data	Data		Data	
Appendix III																					
Boron	ug/L	**400**	300	300	**470**	450	450	**560**	500	500	**290**	210	210	**340**	270	270	**440**	380	390	240	250
Calcium	ug/L	410,000	--	440,000	380,000	--	430,000	410,000	--	470,000	530,000	--	600,000	400,000	--	440,000	390,000	--	420,000	390,000	440,000
Chloride	mg/L	10	--	12	13	--	15	19	--	20	33	--	36	11	--	12	12	--	12	7.9	12
Fluoride	mg/L	1.7	--	1.8	1.5	--	1.7	1.5	--	1.7	0.98	--	1.1	1.4	--	1.6	1.5	--	1.7	1.4	1.7
pH, Field	su	7.1	--	6.9 - 8.6	7.0	--	6.9 - 7.3	7.0	--	6.7 - 7.3	7.1	--	7.0 - 7.5	7.1	--	6.9 - 7.7	7.1	--	7.0 - 7.3	7.0	6.9 - 7.4
Sulfate	mg/L	1,400	--	1,600	1,400	--	1,700	1,500	--	1,700	1,300	--	1,500	1,400	--	1,600	1,400	--	1,600	1,400	1,600
Total Dissolved Solids	mg/L	2,000	--	2,200	2,100	--	2,300	2,100	--	2,400	1,900	--	2,300	1,800	--	2,200	1,600	--	2,300	1,900	2,200

Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
All metals were analyzed as total unless otherwise specified.
Bold font indicates an exceedance of the Prediction Limit (PL).
(1) - Results shown for verification sampling performed on 12/5/2024 and 12/6/2024.

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
MONROE POWER PLANT
FLY ASH BASIN AND VERTICAL EXTENSION LANDFILL
7955 EAST DUNBAR ROAD
MONROE, MICHIGAN

TITLE:

SITE LOCATION MAP

DRAWN BY:	A. ADAIR
CHECKED BY:	H. SCHNAIDT
APPROVED BY:	V. BUENING
DATE:	JANUARY 2025
PROJ. NO.:	553931.0001
FILE:	2024_Oct_DTE_MONROE.mxd

FIGURE 1

T:\1-PROJECTS\DTE Energy\MonroeMI_PP\553931_0001\2-APRX\2024_Oct_DTE_MONROE.aprx -- Saved By: AADAIR on 12/18/2024, 15:14:10 PM

LEGEND

- MONITORING WELL
- APPROXIMATE BOUNDARY OF VERTICAL EXTENSION LANDFILL
- APPROXIMATE BOUNDARY OF FLY ASH BASIN

NOTES

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO AND PARTNERS, (4/17/2024).
2. WELL LOCATIONS SURVEYED BY BMJ ENGINEERS & SURVEYORS, INC. IN MARCH AND MAY 2016.

N

0 600 1,200 Feet

1 " = 600 '

1:7,200

PROJECT:
DTE ELECTRIC COMPANY
MONROE POWER PLANT
FLY ASH BASIN AND VERTICAL EXTENSION LANDFILL
7955 EAST DUNBAR ROAD
MONROE, MICHIGAN

TITLE:
MONITORING NETWORK AND SITE PLAN

DRAWN BY:	A. ADAIR	PROJ NO.:	553931.0001
CHECKED BY:	H. SCHNAIDT		
APPROVED BY:	V. BUENING		
DATE:	JANUARY 2025		

FIGURE 2

TRC
1540 EISENHOWER PLACE
ANN ARBOR, MI 48108-3284
PHONE: 734.971.7080

FILE NO.: 2024_Oct_DTE_MONROE.mxd

TRC - GIS
Coordinate System: NAD 1983 UTM Zone 17N (Meter)
Map Rotation: 0°
Plot Date: 12/19/2024, 09:16:02 AM by AADAIR -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\DTE Energy\MonroeMI_PP\553931_00012-APRX\2024_Oct_DTE_MONROE.aprx

LEGEND

- MONITORING WELL
- APPROXIMATE BOUNDARY OF FLY ASH BASIN
- APPROXIMATE BOUNDARY OF VERTICAL EXTENSION LANDFILL
- POTENTIOMETRIC SURFACE CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION
- (580.79) STATIC WATER ELEVATION IN FEET (NAVD, 1988)

NOTES

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO AND PARTNERS, (4/17/2024).
2. WELL LOCATIONS SURVEYED BY BMJ ENGINEERS & SURVEYORS, INC. IN MARCH AND MAY 2016.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988.

N

0 600 1,200 Feet

1 " = 600 '

1:7,200

PROJECT:	DTE ELECTRIC COMPANY MONROE POWER PLANT FLY ASH BASIN AND VERTICAL EXTENSION LANDFILL 7955 EAST DUNBAR ROAD MONROE, MICHIGAN
TITLE:	**POTENTIOMETRIC SURFACE MAP APRIL 2024**
DRAWN BY: A. ADAIR	PROJ NO.: 553931.0001
CHECKED BY: H. SCHNAIDT	**FIGURE 3**
APPROVED BY: V. BUENING	
DATE: JANUARY 2025	

TRC

1540 EISENHOWER PLACE
ANN ARBOR, MI 48108-3284
PHONE: 734.971.7080

FILE NO.: 2024_Oct_DTE_MONROE.mxd

TRC - GIS
Coordinate System: NAD 1983 UTM Zone 17N (Meter)
Map Rotation:
Plot Date: 12/19/2024, 13:51:20 PM by AADAIR -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\DTE Energy\MonroeMI_PP\553931_00012-APRX\2024_Oct_DTE_MONROE.aprx

TRC - GIS

PLUM CREEK

585

590

595

600

MW-16-07
(582.79)

MW-16-01
(576.80)

MW-16-06
(580.79)

580

VERTICAL EXTENSION LANDFILL

FLY ASH BASIN

MW-16-04
(596.49)

MW-16-02
(584.28)

585

MW-16-05
(592.66)

MW-16-03
(590.20)

590

600

595

Lake Erie

LEGEND

- MONITORING WELL
- APPROXIMATE BOUNDARY OF VERTICAL EXTENSION LANDFILL
- APPROXIMATE BOUNDARY OF FLY ASH BASIN
- INFERRED POTENTIOMETRIC SURFACE CONTOUR
- POTENTIOMETRIC SURFACE CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION
- *(580.79)* STATIC WATER ELEVATION IN FEET (NAVD, 1988)

NOTES

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO AND PARTNERS, (4/17/2024).
2. WELL LOCATIONS SURVEYED BY BMJ ENGINEERS & SURVEYORS, INC. IN MARCH AND MAY 2016.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988.

N

0 600 1,200 Feet

1 " = 600 '
1:7,200

PROJECT:
DTE ELECTRIC COMPANY
MONROE POWER PLANT
FLY ASH BASIN AND VERTICAL EXTENSION LANDFILL
7955 EAST DUNBAR ROAD
MONROE, MICHIGAN

TITLE:
POTENTIOMETRIC SURFACE MAP
OCTOBER 2024

DRAWN BY:	A. ADAIR	PROJ NO.:	553931.0001
CHECKED BY:	H. SCHNAIDT		
APPROVED BY:	V. BUENING		**FIGURE 4**
DATE:	JANUARY 2025		

TRC
1540 EISENHOWER PLACE
ANN ARBOR, MI 48108-3284
PHONE: 734.971.7080

FILE NO.: 2024_Oct_DTE_MONROE.mxd

Plot Date: 12/23/2024, 08:40:05 AM by AADAIR -- LAYOUT: ANSI B(11"x17")
Path: T:\1-PROJECTS\DTE Energy\Monroe\MI_PP\553931_000\12-APRX\2024_Oct_DTE_MONROE.aprx
Coordinate System: NAD 1983 UTM Zone 17N (Meter)
Map Rotation: 0°

Appendix A
Laboratory Analytical Data and Field Data

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/16/2024 8:37:42 PM

JOB DESCRIPTION

CCR DTE Monroe Power Plant

JOB NUMBER

240-202178-1

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
4/16/2024 8:37:42 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
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: 240-202178-1 Eurofins Cleveland

Job Narrative
240-202178-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/4/2024 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 2 coolers at receipt time were 1.3°C and 4.2°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: 240-202178-1
Project/Site: CCR DTE Monroe 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: 240-202178-1
Project/Site: CCR DTE Monroe Power Plant

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-202178-1	MW-16-01	Water	04/02/24 09:57	04/04/24 08:00
240-202178-2	MW-16-02	Water	04/02/24 12:39	04/04/24 08:00
240-202178-3	MW-16-03	Water	04/02/24 12:44	04/04/24 08:00
240-202178-4	MW-16-04	Water	04/02/24 11:35	04/04/24 08:00
240-202178-5	MW-16-05	Water	04/02/24 12:15	04/04/24 08:00
240-202178-6	MW-16-06	Water	04/02/24 11:17	04/04/24 08:00
240-202178-7	MW-16-07	Water	04/02/24 14:22	04/04/24 08:00
240-202178-8	DUP-01	Water	04/02/24 00:00	04/04/24 08:00

Detection Summary

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

Job ID: 240-202178-1

Client Sample ID: MW-16-01 — Lab Sample ID: 240-202178-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	240		100		ug/L	1		6010D	Total Recoverable
Calcium	410000		1000		ug/L	1		6020B	Total Recoverable
Chloride	10		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2100		100		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-02 — Lab Sample ID: 240-202178-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	380		100		ug/L	1		6010D	Total Recoverable
Calcium	410000		1000		ug/L	1		6020B	Total Recoverable
Iron	230		100		ug/L	1		6020B	Total Recoverable
Chloride	13		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1500		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2200		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-03 — Lab Sample ID: 240-202178-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	450		100		ug/L	1		6010D	Total Recoverable
Calcium	420000		1000		ug/L	1		6020B	Total Recoverable
Iron	990		100		ug/L	1		6020B	Total Recoverable
Chloride	19		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1500		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2200		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-04 — Lab Sample ID: 240-202178-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	160		100		ug/L	1		6010D	Total Recoverable
Calcium	530000		1000		ug/L	1		6020B	Total Recoverable
Chloride	34		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.91		0.050		mg/L	1		9056A	Total/NA
Sulfate	1300		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2100		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-05 — Lab Sample ID: 240-202178-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	220		100		ug/L	1		6010D	Total Recoverable
Calcium	410000		1000		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16-05 (Continued) — Lab Sample ID: 240-202178-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Iron	970		100		ug/L	1		6020B	Total Recoverable
Chloride	11		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2200		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-06 — Lab Sample ID: 240-202178-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	340		100		ug/L	1		6010D	Total Recoverable
Calcium	410000		1000		ug/L	1		6020B	Total Recoverable
Iron	650		100		ug/L	1		6020B	Total Recoverable
Chloride	11		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2100		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-07 — Lab Sample ID: 240-202178-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	200		100		ug/L	1		6010D	Total Recoverable
Calcium	410000		1000		ug/L	1		6020B	Total Recoverable
Iron	760		100		ug/L	1		6020B	Total Recoverable
Chloride	7.7		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2000		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 240-202178-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	220		100		ug/L	1		6010D	Total Recoverable
Calcium	420000		1000		ug/L	1		6020B	Total Recoverable
Iron	970		100		ug/L	1		6020B	Total Recoverable
Chloride	11		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2100		20		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 240-202178-1

Client Sample ID: MW-16-01
Date Collected: 04/02/24 09:57
Date Received: 04/04/24 08:00

Lab Sample ID: 240-202178-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	240		100		ug/L		04/05/24 14:00	04/08/24 08:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410000		1000		ug/L		04/05/24 14:00	04/08/24 16:50	1
Iron	100	U	100		ug/L		04/05/24 14:00	04/08/24 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	10		1.0		mg/L			04/12/24 00:44	1
Fluoride (SW846 9056A)	1.7		0.050		mg/L			04/12/24 00:44	1
Sulfate (SW846 9056A)	1400		10		mg/L			04/12/24 01:06	10
Total Dissolved Solids (SM 2540C)	2100		100		mg/L			04/08/24 11:54	1

Client Sample Results

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

Job ID: 240-202178-1

Client Sample ID: MW-16-02

Date Collected: 04/02/24 12:39
Date Received: 04/04/24 08:00

Lab Sample ID: 240-202178-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	380		100		ug/L		04/05/24 14:00	04/08/24 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410000		1000		ug/L		04/05/24 14:00	04/08/24 17:02	1
Iron	230		100		ug/L		04/05/24 14:00	04/08/24 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	13		1.0		mg/L			04/12/24 01:27	1
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/12/24 01:27	1
Sulfate (SW846 9056A)	1500		10		mg/L			04/12/24 01:49	10
Total Dissolved Solids (SM 2540C)	2200		20		mg/L			04/08/24 11:54	1

Client Sample Results

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

Job ID: 240-202178-1

Client Sample ID: MW-16-03

Date Collected: 04/02/24 12:44
Date Received: 04/04/24 08:00

Lab Sample ID: 240-202178-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	450		100		ug/L		04/05/24 14:00	04/08/24 08:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420000		1000		ug/L		04/05/24 14:00	04/08/24 17:10	1
Iron	990		100		ug/L		04/05/24 14:00	04/08/24 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	19		1.0		mg/L			04/12/24 02:11	1
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/12/24 02:11	1
Sulfate (SW846 9056A)	1500		10		mg/L			04/12/24 03:16	10
Total Dissolved Solids (SM 2540C)	2200		20		mg/L			04/08/24 11:54	1

Client: TRC Environmental Corporation.
Job ID: 240-202178-1
Project/Site: CCR DTE Monroe Power Plant

Client Sample ID: MW-16-04
Lab Sample ID: 240-202178-4
Date Collected: 04/02/24 11:35
Matrix: Water
Date Received: 04/04/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	160		100		ug/L		04/05/24 14:00	04/09/24 11:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	530000		1000		ug/L		04/05/24 14:00	04/08/24 17:13	1
Iron	100	U	100		ug/L		04/05/24 14:00	04/08/24 17:13	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	34		1.0		mg/L			04/12/24 03:38	1
Fluoride (SW846 9056A)	0.91		0.050		mg/L			04/12/24 03:38	1
Sulfate (SW846 9056A)	1300		10		mg/L			04/12/24 03:59	10
Total Dissolved Solids (SM 2540C)	2100		20		mg/L			04/08/24 09:39	1

Client: TRC Environmental Corporation.
Job ID: 240-202178-1
Project/Site: CCR DTE Monroe Power Plant

Client Sample ID: MW-16-05
Lab Sample ID: 240-202178-5
Date Collected: 04/02/24 12:15
Matrix: Water
Date Received: 04/04/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	220		100		ug/L		04/05/24 14:00	04/08/24 12:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410000		1000		ug/L		04/05/24 14:00	04/08/24 17:15	1
Iron	970		100		ug/L		04/05/24 14:00	04/08/24 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	11		1.0		mg/L			04/12/24 04:21	1
Fluoride (SW846 9056A)	1.4		0.050		mg/L			04/12/24 04:21	1
Sulfate (SW846 9056A)	1400		10		mg/L			04/12/24 04:43	10
Total Dissolved Solids (SM 2540C)	2200		20		mg/L			04/08/24 09:39	1

Client: TRC Environmental Corporation.
Job ID: 240-202178-1
Project/Site: CCR DTE Monroe Power Plant

Client Sample ID: MW-16-06
Lab Sample ID: 240-202178-6
Date Collected: 04/02/24 11:17
Matrix: Water
Date Received: 04/04/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	340		100		ug/L		04/05/24 14:00	04/09/24 11:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410000		1000		ug/L		04/05/24 14:00	04/08/24 17:18	1
Iron	650		100		ug/L		04/05/24 14:00	04/08/24 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	11		1.0		mg/L			04/12/24 05:04	1
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/12/24 05:04	1
Sulfate (SW846 9056A)	1400		10		mg/L			04/12/24 05:26	10
Total Dissolved Solids (SM 2540C)	2100		20		mg/L			04/08/24 09:39	1

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

Job ID: 240-202178-1

Client Sample ID: MW-16-07
Date Collected: 04/02/24 14:22
Date Received: 04/04/24 08:00

Lab Sample ID: 240-202178-7
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	200		100		ug/L		04/05/24 14:00	04/09/24 11:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410000		1000		ug/L		04/05/24 14:00	04/08/24 17:20	1
Iron	760		100		ug/L		04/05/24 14:00	04/08/24 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	7.7		1.0		mg/L			04/12/24 05:48	1
Fluoride (SW846 9056A)	1.4		0.050		mg/L			04/12/24 05:48	1
Sulfate (SW846 9056A)	1400		10		mg/L			04/12/24 06:10	10
Total Dissolved Solids (SM 2540C)	2000		20		mg/L			04/08/24 09:39	1

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

Job ID: 240-202178-1

Client Sample ID: DUP-01

Date Collected: 04/02/24 00:00
Date Received: 04/04/24 08:00

Lab Sample ID: 240-202178-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	220		100		ug/L		04/05/24 14:00	04/09/24 11:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420000		1000		ug/L		04/05/24 14:00	04/08/24 17:23	1
Iron	970		100		ug/L		04/05/24 14:00	04/08/24 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	11		1.0		mg/L			04/12/24 06:31	1
Fluoride (SW846 9056A)	1.4		0.050		mg/L			04/12/24 06:31	1
Sulfate (SW846 9056A)	1400		10		mg/L			04/12/24 07:37	10
Total Dissolved Solids (SM 2540C)	2100		20		mg/L			04/08/24 09:39	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-608625/1-A
Matrix: Water
Analysis Batch: 608752

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		04/05/24 14:00	04/08/24 08:12	1

Lab Sample ID: LCS 240-608625/2-A
Matrix: Water
Analysis Batch: 608752

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1030		ug/L		103	80 - 120		

Lab Sample ID: 240-202178-1 MS
Matrix: Water
Analysis Batch: 608752

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	240		1000	1370		ug/L		112	75 - 125		

Lab Sample ID: 240-202178-1 MSD
Matrix: Water
Analysis Batch: 608752

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	240		1000	1410		ug/L		116	75 - 125	3	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-608625/1-A
Matrix: Water
Analysis Batch: 608867

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		04/05/24 14:00	04/08/24 16:45	1
Iron	100	U	100		ug/L		04/05/24 14:00	04/08/24 16:45	1

Lab Sample ID: LCS 240-608625/3-A
Matrix: Water
Analysis Batch: 608867

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25000	25200		ug/L		101	80 - 120		
Iron			5000	4940		ug/L		99	80 - 120		

Lab Sample ID: 240-202178-1 MS
Matrix: Water
Analysis Batch: 608867

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	410000		25000	426000	4	ug/L		82	80 - 120		
Iron	100	U	5000	5010		ug/L		98	80 - 120		

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

Lab Sample ID: 240-202178-1 MSD
Matrix: Water
Analysis Batch: 608867

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 608625

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	410000		25000	425000	4	ug/L		76	80 - 120	0	20
Iron	100	U	5000	5060		ug/L		99	80 - 120	1	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-609344/3
Matrix: Water
Analysis Batch: 609344

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			04/11/24 22:55	1
Fluoride	0.050	U	0.050		mg/L			04/11/24 22:55	1
Sulfate	1.0	U	1.0		mg/L			04/11/24 22:55	1

Lab Sample ID: LCS 240-609344/4
Matrix: Water
Analysis Batch: 609344

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	48.8		mg/L		98	90 - 110		
Fluoride			2.50	2.54		mg/L		101	90 - 110		
Sulfate			50.0	50.0		mg/L		100	90 - 110		

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

Lab Sample ID: MB 240-608760/1
Matrix: Water
Analysis Batch: 608760

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			04/08/24 09:39	1

Lab Sample ID: LCS 240-608760/2
Matrix: Water
Analysis Batch: 608760

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	479		mg/L		97	80 - 120		

Lab Sample ID: MB 240-608813/1
Matrix: Water
Analysis Batch: 608813

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			04/08/24 11:54	1

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

Job ID: 240-202178-1

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

Lab Sample ID: LCS 240-608813/2
Matrix: Water
Analysis Batch: 608813

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	480		mg/L		97	80 - 120

Metals

Prep Batch: 608625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-202178-1	MW-16-01	Total Recoverable	Water	3005A	
240-202178-2	MW-16-02	Total Recoverable	Water	3005A	
240-202178-3	MW-16-03	Total Recoverable	Water	3005A	
240-202178-4	MW-16-04	Total Recoverable	Water	3005A	
240-202178-5	MW-16-05	Total Recoverable	Water	3005A	
240-202178-6	MW-16-06	Total Recoverable	Water	3005A	
240-202178-7	MW-16-07	Total Recoverable	Water	3005A	
240-202178-8	DUP-01	Total Recoverable	Water	3005A	
MB 240-608625/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-608625/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-608625/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-202178-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-202178-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-202178-1 MSD	MW-16-01	Total Recoverable	Water	3005A	
240-202178-1 MSD	MW-16-01	Total Recoverable	Water	3005A	

Analysis Batch: 608752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-202178-1	MW-16-01	Total Recoverable	Water	6010D	608625
240-202178-2	MW-16-02	Total Recoverable	Water	6010D	608625
240-202178-3	MW-16-03	Total Recoverable	Water	6010D	608625
240-202178-5	MW-16-05	Total Recoverable	Water	6010D	608625
MB 240-608625/1-A	Method Blank	Total Recoverable	Water	6010D	608625
LCS 240-608625/2-A	Lab Control Sample	Total Recoverable	Water	6010D	608625
240-202178-1 MS	MW-16-01	Total Recoverable	Water	6010D	608625
240-202178-1 MSD	MW-16-01	Total Recoverable	Water	6010D	608625

Analysis Batch: 608867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-202178-1	MW-16-01	Total Recoverable	Water	6020B	608625
240-202178-2	MW-16-02	Total Recoverable	Water	6020B	608625
240-202178-3	MW-16-03	Total Recoverable	Water	6020B	608625
240-202178-4	MW-16-04	Total Recoverable	Water	6020B	608625
240-202178-5	MW-16-05	Total Recoverable	Water	6020B	608625
240-202178-6	MW-16-06	Total Recoverable	Water	6020B	608625
240-202178-7	MW-16-07	Total Recoverable	Water	6020B	608625
240-202178-8	DUP-01	Total Recoverable	Water	6020B	608625
MB 240-608625/1-A	Method Blank	Total Recoverable	Water	6020B	608625
LCS 240-608625/3-A	Lab Control Sample	Total Recoverable	Water	6020B	608625
240-202178-1 MS	MW-16-01	Total Recoverable	Water	6020B	608625
240-202178-1 MSD	MW-16-01	Total Recoverable	Water	6020B	608625

Analysis Batch: 608907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-202178-4	MW-16-04	Total Recoverable	Water	6010D	608625
240-202178-6	MW-16-06	Total Recoverable	Water	6010D	608625
240-202178-7	MW-16-07	Total Recoverable	Water	6010D	608625
240-202178-8	DUP-01	Total Recoverable	Water	6010D	608625

General Chemistry

Analysis Batch: 608760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-202178-4	MW-16-04	Total/NA	Water	SM 2540C	
240-202178-5	MW-16-05	Total/NA	Water	SM 2540C	
240-202178-6	MW-16-06	Total/NA	Water	SM 2540C	
240-202178-7	MW-16-07	Total/NA	Water	SM 2540C	
240-202178-8	DUP-01	Total/NA	Water	SM 2540C	
MB 240-608760/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-608760/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 608813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-202178-1	MW-16-01	Total/NA	Water	SM 2540C	
240-202178-2	MW-16-02	Total/NA	Water	SM 2540C	
240-202178-3	MW-16-03	Total/NA	Water	SM 2540C	
MB 240-608813/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-608813/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 609344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-202178-1	MW-16-01	Total/NA	Water	9056A	
240-202178-1	MW-16-01	Total/NA	Water	9056A	
240-202178-2	MW-16-02	Total/NA	Water	9056A	
240-202178-2	MW-16-02	Total/NA	Water	9056A	
240-202178-3	MW-16-03	Total/NA	Water	9056A	
240-202178-3	MW-16-03	Total/NA	Water	9056A	
240-202178-4	MW-16-04	Total/NA	Water	9056A	
240-202178-4	MW-16-04	Total/NA	Water	9056A	
240-202178-5	MW-16-05	Total/NA	Water	9056A	
240-202178-5	MW-16-05	Total/NA	Water	9056A	
240-202178-6	MW-16-06	Total/NA	Water	9056A	
240-202178-6	MW-16-06	Total/NA	Water	9056A	
240-202178-7	MW-16-07	Total/NA	Water	9056A	
240-202178-7	MW-16-07	Total/NA	Water	9056A	
240-202178-8	DUP-01	Total/NA	Water	9056A	
240-202178-8	DUP-01	Total/NA	Water	9056A	
MB 240-609344/3	Method Blank	Total/NA	Water	9056A	
LCS 240-609344/4	Lab Control Sample	Total/NA	Water	9056A	

Client Sample ID: MW-16-01

Lab Sample ID: 240-202178-1

Date Collected: 04/02/24 09:57

Matrix: Water

Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608752	KLC	EET CLE	04/08/24 08:21
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 16:50
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 00:44
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 01:06
Total/NA	Analysis	SM 2540C		1	608813	UWU2	EET CLE	04/08/24 11:54

Client Sample ID: MW-16-02

Lab Sample ID: 240-202178-2

Date Collected: 04/02/24 12:39

Matrix: Water

Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608752	KLC	EET CLE	04/08/24 08:46
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 17:02
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 01:27
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 01:49
Total/NA	Analysis	SM 2540C		1	608813	UWU2	EET CLE	04/08/24 11:54

Client Sample ID: MW-16-03

Lab Sample ID: 240-202178-3

Date Collected: 04/02/24 12:44

Matrix: Water

Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608752	KLC	EET CLE	04/08/24 08:50
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 17:10
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 02:11
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 03:16
Total/NA	Analysis	SM 2540C		1	608813	UWU2	EET CLE	04/08/24 11:54

Client Sample ID: MW-16-04

Lab Sample ID: 240-202178-4

Date Collected: 04/02/24 11:35

Matrix: Water

Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608907	KLC	EET CLE	04/09/24 11:36
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 17:13
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 03:38

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-202178-1
Project/Site: CCR DTE Monroe Power Plant

Client Sample ID: MW-16-04
Lab Sample ID: 240-202178-4
Date Collected: 04/02/24 11:35
Matrix: Water
Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 03:59
Total/NA	Analysis	SM 2540C		1	608760	UWU2	EET CLE	04/08/24 09:39

Client Sample ID: MW-16-05
Lab Sample ID: 240-202178-5
Date Collected: 04/02/24 12:15
Matrix: Water
Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608752	KLC	EET CLE	04/08/24 12:29
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 17:15
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 04:21
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 04:43
Total/NA	Analysis	SM 2540C		1	608760	UWU2	EET CLE	04/08/24 09:39

Client Sample ID: MW-16-06
Lab Sample ID: 240-202178-6
Date Collected: 04/02/24 11:17
Matrix: Water
Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608907	KLC	EET CLE	04/09/24 11:40
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 17:18
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 05:04
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 05:26
Total/NA	Analysis	SM 2540C		1	608760	UWU2	EET CLE	04/08/24 09:39

Client Sample ID: MW-16-07
Lab Sample ID: 240-202178-7
Date Collected: 04/02/24 14:22
Matrix: Water
Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608907	KLC	EET CLE	04/09/24 11:45
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 17:20
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 05:48
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 06:10
Total/NA	Analysis	SM 2540C		1	608760	UWU2	EET CLE	04/08/24 09:39

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-202178-1
Project/Site: CCR DTE Monroe Power Plant

Client Sample ID: DUP-01
Lab Sample ID: 240-202178-8

Date Collected: 04/02/24 00:00
Matrix: Water

Date Received: 04/04/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6010D		1	608907	KLC	EET CLE	04/09/24 11:49
Total Recoverable	Prep	3005A			608625	BN	EET CLE	04/05/24 14:00
Total Recoverable	Analysis	6020B		1	608867	RKT	EET CLE	04/08/24 17:23
Total/NA	Analysis	9056A		1	609344	JWW	EET CLE	04/12/24 06:31
Total/NA	Analysis	9056A		10	609344	JWW	EET CLE	04/12/24 07:37
Total/NA	Analysis	SM 2540C		1	608760	UWU2	EET CLE	04/08/24 09:39

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: 240-202178-1
Project/Site: CCR DTE Monroe 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
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	07-31-24
Iowa	State	421	06-01-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	06-30-24
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-24
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

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. Whaley / J. Josso	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-119148-41639.1
Client Contact: Chris Scieszka	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: Standard			
City: Ann Arbor	TAT Requested (days): Standard 10 Day			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 214270			
Email: CScieszka@trccompanies.com	WO #:			
Project Name: CCR DTE Monroe Plant FAB/VEL	Project #: 24016830			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010D Bo, 6020A Ca & Fe	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MW-16-01	4/2/24	0957	G	Water	N	N				3	
MW-16-02		1239	G	Water	N	N				3	
MW-16-03		1244	G	Water	N	N				3	
MW-16-04		1135	G	Water	N	N				3	
MW-16-05		1215	G	Water	N	N				3	
MW-16-06		1117	G	Water	N	N				3	
MW-16-07		1422	G	Water	N	N				3	
DUP-01		—	G	Water	N	N				3	
				Water							
				Water							

240-202178 Chain of Custody

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) 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		4/2/24 1640	TRC		4/3/24	EENA
2		4/3/24 1640	EENA		4-4-24 800	EETNC
3						

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

Eurofins - Cleveland Sample Receipt Form/Narrative Login # : 202478
Barberton Facility

Client TRC Site Name

Cooler Received on 4-4-24 Opened on 4-4-24 Cooler unpacked by:

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 # 18 (CF 0.0 °C) Observed Cooler Temp °C Corrected Cooler Temp °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity leach	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 TR-4-4-24
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# HC329089
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 | Samples processed by:

Sample MW-16-02 60ml unp - NO Time on bottle, and labeled MW-16-03.

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 #: 202178

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 #: 18	4.2	4.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 18	1.3	1.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	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

4/4/2024

Login Container Summary Report

240-202178

4/16/2024

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-202178-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-202178-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-202178-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-202178-A 2	Plastic 60 mL - unpreserved				
MW-16-02	240-202178-B-2	Plastic 500ml - unpreserved				
MW-16-02	240-202178-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-202178-A-3	Plastic 60 mL - unpreserved				
MW 16-03	240-202178-B-3	Plastic 500ml - unpreserved				
MW-16-03	240-202178-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-04	240-202178-A-4	Plastic 60 mL - unpreserved				
MW-16-04	240-202178-B-4	Plastic 500ml - unpreserved				
MW-16-04	240-202178-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-05	240-202178-A-5	Plastic 60 mL - unpreserved				
MW-16-05	240 202178-B-5	Plastic 500ml - unpreserved				
MW-16-05	240-202178-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-16-06	240-202178-A-6	Plastic 60 mL - unpreserved				
MW-16-06	240-202178-B-6	Plastic 500ml - unpreserved				
MW-16-06	240-202178-C-6	Plastic 500ml - with Nitric Acid	<2			
MW 16-07	240-202178-A-7	Plastic 60 mL - unpreserved				
MW-16-07	240-202178-B-7	Plastic 500ml - unpreserved				
MW-16-07	240-202178-C-7	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-202178-A-8	Plastic 60 mL - unpreserved				
DUP-01	240-202178-B-8	Plastic 500ml unpreserved				
DUP-01	240-202178-C-8	Plastic 500ml - with 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 11/6/2024 7:58:21 PM

JOB DESCRIPTION

CCR DTE Monroe Power Plant FAB/VEL

JOB NUMBER

240-213668-1

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

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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: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

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: 240-213668-1 Eurofins Cleveland

Job Narrative
240-213668-1

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 10/25/2024 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 1.3°C, 1.5°C and 2.1°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: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

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: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-213668-1	MW-16-01	Water	10/22/24 08:20	10/25/24 08:00
240-213668-2	MW-16-02	Water	10/21/24 14:30	10/25/24 08:00
240-213668-3	MW-16-03	Water	10/21/24 15:18	10/25/24 08:00
240-213668-4	MW-16-04	Water	10/21/24 16:21	10/25/24 08:00
240-213668-5	MW-16-05	Water	10/21/24 15:48	10/25/24 08:00
240-213668-6	MW-16-06	Water	10/22/24 10:23	10/25/24 08:00
240-213668-7	MW-16-07	Water	10/21/24 13:11	10/25/24 08:00
240-213668-8	DUP-01	Water	10/21/24 00:00	10/25/24 08:00

Detection Summary

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-01 — Lab Sample ID: 240-213668-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	400		100		ug/L	1		6010D	Total Recoverable
Calcium	410000		1000		ug/L	1		6020B	Total Recoverable
Chloride	10		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2000		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-02 — Lab Sample ID: 240-213668-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	470		100		ug/L	1		6010D	Total Recoverable
Calcium	380000		1000		ug/L	1		6020B	Total Recoverable
Iron	270		100		ug/L	1		6020B	Total Recoverable
Chloride	13		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2100		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-03 — Lab Sample ID: 240-213668-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	560		100		ug/L	1		6010D	Total Recoverable
Calcium	410000		1000		ug/L	1		6020B	Total Recoverable
Iron	890		100		ug/L	1		6020B	Total Recoverable
Chloride	19		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1500		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	2100		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-04 — Lab Sample ID: 240-213668-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	290		100		ug/L	1		6010D	Total Recoverable
Calcium	530000		1000		ug/L	1		6020B	Total Recoverable
Chloride	33		1.0		mg/L	1		9056A	Total/NA
Fluoride	0.98		0.050		mg/L	1		9056A	Total/NA
Sulfate	1300		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	1900		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-05 — Lab Sample ID: 240-213668-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	340		100		ug/L	1		6010D	Total Recoverable
Calcium	400000		1000		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16-05 (Continued) — Lab Sample ID: 240-213668-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Iron	940		100		ug/L	1		6020B	Total Recoverable
Chloride	11		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	1800		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-06 — Lab Sample ID: 240-213668-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	440		100		ug/L	1		6010D	Total Recoverable
Calcium	390000		1000		ug/L	1		6020B	Total Recoverable
Iron	700		100		ug/L	1		6020B	Total Recoverable
Chloride	12		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	1600		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16-07 — Lab Sample ID: 240-213668-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	240		100		ug/L	1		6010D	Total Recoverable
Calcium	390000		1000		ug/L	1		6020B	Total Recoverable
Iron	630		100		ug/L	1		6020B	Total Recoverable
Chloride	7.9		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	1900		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 240-213668-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	270		100		ug/L	1		6010D	Total Recoverable
Calcium	400000		1000		ug/L	1		6020B	Total Recoverable
Iron	930		100		ug/L	1		6020B	Total Recoverable
Chloride	11		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	1400		10		mg/L	10		9056A	Total/NA
Total Dissolved Solids	1900		20		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-01
Lab Sample ID: 240-213668-1
Date Collected: 10/22/24 08:20
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	400		100		ug/L		10/28/24 12:00	10/29/24 13:03	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410000		1000		ug/L		10/28/24 12:00	10/29/24 14:41	1
Iron	100	U	100		ug/L		10/28/24 12:00	10/29/24 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	10		1.0		mg/L			11/05/24 06:52	1
Fluoride (SW846 9056A)	1.7		0.050		mg/L			11/05/24 06:52	1
Sulfate (SW846 9056A)	1400		10		mg/L			11/05/24 07:09	10
Total Dissolved Solids (SM 2540C)	2000		20		mg/L			10/25/24 11:42	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-02
Lab Sample ID: 240-213668-2
Date Collected: 10/21/24 14:30
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	470		100		ug/L		10/28/24 12:00	10/29/24 13:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	380000		1000		ug/L		10/28/24 12:00	10/29/24 14:44	1
Iron	270		100		ug/L		10/28/24 12:00	10/29/24 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	13		1.0		mg/L			11/05/24 07:26	1
Fluoride (SW846 9056A)	1.5		0.050		mg/L			11/05/24 07:26	1
Sulfate (SW846 9056A)	1400		10		mg/L			11/05/24 07:43	10
Total Dissolved Solids (SM 2540C)	2100		20		mg/L			10/25/24 11:42	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-03
Lab Sample ID: 240-213668-3
Date Collected: 10/21/24 15:18
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	560		100		ug/L		10/28/24 12:00	10/29/24 13:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410000		1000		ug/L		10/28/24 12:00	10/29/24 14:46	1
Iron	890		100		ug/L		10/28/24 12:00	10/29/24 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	19		1.0		mg/L			11/05/24 08:00	1
Fluoride (SW846 9056A)	1.5		0.050		mg/L			11/05/24 08:00	1
Sulfate (SW846 9056A)	1500		10		mg/L			11/05/24 08:17	10
Total Dissolved Solids (SM 2540C)	2100		20		mg/L			10/25/24 11:42	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-04
Lab Sample ID: 240-213668-4
Date Collected: 10/21/24 16:21
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	290		100		ug/L		10/28/24 12:00	10/29/24 13:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	530000		1000		ug/L		10/28/24 12:00	10/29/24 14:49	1
Iron	100	U	100		ug/L		10/28/24 12:00	10/29/24 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	33		1.0		mg/L			11/05/24 09:08	1
Fluoride (SW846 9056A)	0.98		0.050		mg/L			11/05/24 09:08	1
Sulfate (SW846 9056A)	1300		10		mg/L			11/05/24 09:25	10
Total Dissolved Solids (SM 2540C)	1900		20		mg/L			10/25/24 11:42	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-05
Lab Sample ID: 240-213668-5
Date Collected: 10/21/24 15:48
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	340		100		ug/L		10/28/24 12:00	10/29/24 13:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400000		1000		ug/L		10/28/24 12:00	10/29/24 14:51	1
Iron	940		100		ug/L		10/28/24 12:00	10/29/24 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	11		1.0		mg/L			11/05/24 09:42	1
Fluoride (SW846 9056A)	1.4		0.050		mg/L			11/05/24 09:42	1
Sulfate (SW846 9056A)	1400		10		mg/L			11/05/24 09:59	10
Total Dissolved Solids (SM 2540C)	1800		20		mg/L			10/25/24 11:42	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-06
Lab Sample ID: 240-213668-6
Date Collected: 10/22/24 10:23
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	440		100		ug/L		10/28/24 12:00	10/29/24 13:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390000		1000		ug/L		10/28/24 12:00	10/29/24 14:54	1
Iron	700		100		ug/L		10/28/24 12:00	10/29/24 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	12		1.0		mg/L			11/05/24 10:16	1
Fluoride (SW846 9056A)	1.5		0.050		mg/L			11/05/24 10:16	1
Sulfate (SW846 9056A)	1400		10		mg/L			11/05/24 10:33	10
Total Dissolved Solids (SM 2540C)	1600		20		mg/L			10/28/24 08:29	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-07
Lab Sample ID: 240-213668-7
Date Collected: 10/21/24 13:11
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	240		100		ug/L		10/28/24 14:00	10/30/24 15:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390000		1000		ug/L		10/28/24 14:00	10/29/24 15:31	1
Iron	630		100		ug/L		10/28/24 14:00	10/29/24 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	7.9		1.0		mg/L			11/05/24 10:50	1
Fluoride (SW846 9056A)	1.4		0.050		mg/L			11/05/24 10:50	1
Sulfate (SW846 9056A)	1400		10		mg/L			11/05/24 11:07	10
Total Dissolved Solids (SM 2540C)	1900		20		mg/L			10/25/24 11:42	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: DUP-01
Lab Sample ID: 240-213668-8
Date Collected: 10/21/24 00:00
Matrix: Water
Date Received: 10/25/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	270		100		ug/L		10/28/24 14:00	10/30/24 15:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400000		1000		ug/L		10/28/24 14:00	10/29/24 15:34	1
Iron	930		100		ug/L		10/28/24 14:00	10/29/24 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	11		1.0		mg/L			11/05/24 11:24	1
Fluoride (SW846 9056A)	1.4		0.050		mg/L			11/05/24 11:24	1
Sulfate (SW846 9056A)	1400		10		mg/L			11/05/24 11:41	10
Total Dissolved Solids (SM 2540C)	1900		20		mg/L			10/25/24 11:42	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-632623/1-A
Matrix: Water
Analysis Batch: 632969

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632623

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		10/28/24 12:00	10/29/24 10:46	1

Lab Sample ID: LCS 240-632623/2-A
Matrix: Water
Analysis Batch: 632969

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632623

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	973		ug/L		97	80 - 120		

Lab Sample ID: MB 240-632790/1-A
Matrix: Water
Analysis Batch: 633175

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632790

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		10/28/24 14:00	10/30/24 14:36	1

Lab Sample ID: LCS 240-632790/2-A
Matrix: Water
Analysis Batch: 633175

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632790

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 240-632623/1-A
Matrix: Water
Analysis Batch: 633017

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632623

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		10/28/24 12:00	10/29/24 13:33	1
Iron	100	U	100		ug/L		10/28/24 12:00	10/29/24 13:33	1

Lab Sample ID: LCS 240-632623/3-A
Matrix: Water
Analysis Batch: 633017

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632623

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25000	24000		ug/L		96	80 - 120		
Iron			5000	4770		ug/L		95	80 - 120		

Lab Sample ID: MB 240-632790/1-A
Matrix: Water
Analysis Batch: 633017

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632790

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		10/28/24 14:00	10/29/24 14:57	1
Iron	100	U	100		ug/L		10/28/24 14:00	10/29/24 14:57	1

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

Lab Sample ID: LCS 240-632790/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 633017 — **Prep Batch: 632790**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	25000	24700		ug/L		99	80 - 120
Iron	5000	4920		ug/L		98	80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-633893/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 633893

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	mg/L			11/04/24 19:32	1
Fluoride	0.050	U	0.050	mg/L			11/04/24 19:32	1
Sulfate	1.0	U	1.0	mg/L			11/04/24 19:32	1

Lab Sample ID: LCS 240-633893/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 633893

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	2.51		mg/L		101	90 - 110
Sulfate	50.0	49.4		mg/L		99	90 - 110

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

Lab Sample ID: MB 240-632519/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 632519

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10	mg/L			10/25/24 11:42	1

Lab Sample ID: LCS 240-632519/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 632519

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	487		mg/L		98	80 - 120

Lab Sample ID: MB 240-632674/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 632674

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10	mg/L			10/28/24 08:29	1

Client: TRC Environmental Corporation.
Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

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

Lab Sample ID: LCS 240-632674/2
Matrix: Water
Analysis Batch: 632674

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	475		mg/L		96	80 - 120		

Metals

Prep Batch: 632623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-1	MW-16-01	Total Recoverable	Water	3005A	
240-213668-2	MW-16-02	Total Recoverable	Water	3005A	
240-213668-3	MW-16-03	Total Recoverable	Water	3005A	
240-213668-4	MW-16-04	Total Recoverable	Water	3005A	
240-213668-5	MW-16-05	Total Recoverable	Water	3005A	
240-213668-6	MW-16-06	Total Recoverable	Water	3005A	
MB 240-632623/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-632623/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-632623/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 632790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-7	MW-16-07	Total Recoverable	Water	3005A	
240-213668-8	DUP-01	Total Recoverable	Water	3005A	
MB 240-632790/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-632790/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-632790/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 632969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-1	MW-16-01	Total Recoverable	Water	6010D	632623
240-213668-2	MW-16-02	Total Recoverable	Water	6010D	632623
240-213668-3	MW-16-03	Total Recoverable	Water	6010D	632623
240-213668-4	MW-16-04	Total Recoverable	Water	6010D	632623
240-213668-5	MW-16-05	Total Recoverable	Water	6010D	632623
240-213668-6	MW-16-06	Total Recoverable	Water	6010D	632623
MB 240-632623/1-A	Method Blank	Total Recoverable	Water	6010D	632623
LCS 240-632623/2-A	Lab Control Sample	Total Recoverable	Water	6010D	632623

Analysis Batch: 633017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-1	MW-16-01	Total Recoverable	Water	6020B	632623
240-213668-2	MW-16-02	Total Recoverable	Water	6020B	632623
240-213668-3	MW-16-03	Total Recoverable	Water	6020B	632623
240-213668-4	MW-16-04	Total Recoverable	Water	6020B	632623
240-213668-5	MW-16-05	Total Recoverable	Water	6020B	632623
240-213668-6	MW-16-06	Total Recoverable	Water	6020B	632623
MB 240-632623/1-A	Method Blank	Total Recoverable	Water	6020B	632623
MB 240-632790/1-A	Method Blank	Total Recoverable	Water	6020B	632790
LCS 240-632623/3-A	Lab Control Sample	Total Recoverable	Water	6020B	632623
LCS 240-632790/3-A	Lab Control Sample	Total Recoverable	Water	6020B	632790

Analysis Batch: 633049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-7	MW-16-07	Total Recoverable	Water	6020B	632790
240-213668-8	DUP-01	Total Recoverable	Water	6020B	632790

Analysis Batch: 633175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-7	MW-16-07	Total Recoverable	Water	6010D	632790
240-213668-8	DUP-01	Total Recoverable	Water	6010D	632790

Metals (Continued)

Analysis Batch: 633175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-632790/1-A	Method Blank	Total Recoverable	Water	6010D	632790
LCS 240-632790/2-A	Lab Control Sample	Total Recoverable	Water	6010D	632790

General Chemistry

Analysis Batch: 632519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-1	MW-16-01	Total/NA	Water	SM 2540C	
240-213668-2	MW-16-02	Total/NA	Water	SM 2540C	
240-213668-3	MW-16-03	Total/NA	Water	SM 2540C	
240-213668-4	MW-16-04	Total/NA	Water	SM 2540C	
240-213668-5	MW-16-05	Total/NA	Water	SM 2540C	
240-213668-7	MW-16-07	Total/NA	Water	SM 2540C	
240-213668-8	DUP-01	Total/NA	Water	SM 2540C	
MB 240-632519/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-632519/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 632674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-6	MW-16-06	Total/NA	Water	SM 2540C	
MB 240-632674/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-632674/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 633893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-213668-1	MW-16-01	Total/NA	Water	9056A	
240-213668-1	MW-16-01	Total/NA	Water	9056A	
240-213668-2	MW-16-02	Total/NA	Water	9056A	
240-213668-2	MW-16-02	Total/NA	Water	9056A	
240-213668-3	MW-16-03	Total/NA	Water	9056A	
240-213668-3	MW-16-03	Total/NA	Water	9056A	
240-213668-4	MW-16-04	Total/NA	Water	9056A	
240-213668-4	MW-16-04	Total/NA	Water	9056A	
240-213668-5	MW-16-05	Total/NA	Water	9056A	
240-213668-5	MW-16-05	Total/NA	Water	9056A	
240-213668-6	MW-16-06	Total/NA	Water	9056A	
240-213668-6	MW-16-06	Total/NA	Water	9056A	
240-213668-7	MW-16-07	Total/NA	Water	9056A	
240-213668-7	MW-16-07	Total/NA	Water	9056A	
240-213668-8	DUP-01	Total/NA	Water	9056A	
240-213668-8	DUP-01	Total/NA	Water	9056A	
MB 240-633893/3	Method Blank	Total/NA	Water	9056A	
LCS 240-633893/4	Lab Control Sample	Total/NA	Water	9056A	

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-01 — Lab Sample ID: 240-213668-1

Date Collected: 10/22/24 08:20 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6010D		1	632969	RKT	EET CLE	10/29/24 13:03
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6020B		1	633017	AJC	EET CLE	10/29/24 14:41
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 06:52
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 07:09
Total/NA	Analysis	SM 2540C		1	632519	TAV2	EET CLE	10/25/24 11:42

Client Sample ID: MW-16-02 — Lab Sample ID: 240-213668-2

Date Collected: 10/21/24 14:30 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6010D		1	632969	RKT	EET CLE	10/29/24 13:07
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6020B		1	633017	AJC	EET CLE	10/29/24 14:44
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 07:26
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 07:43
Total/NA	Analysis	SM 2540C		1	632519	TAV2	EET CLE	10/25/24 11:42

Client Sample ID: MW-16-03 — Lab Sample ID: 240-213668-3

Date Collected: 10/21/24 15:18 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6010D		1	632969	RKT	EET CLE	10/29/24 13:11
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6020B		1	633017	AJC	EET CLE	10/29/24 14:46
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 08:00
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 08:17
Total/NA	Analysis	SM 2540C		1	632519	TAV2	EET CLE	10/25/24 11:42

Client Sample ID: MW-16-04 — Lab Sample ID: 240-213668-4

Date Collected: 10/21/24 16:21 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6010D		1	632969	RKT	EET CLE	10/29/24 13:16
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6020B		1	633017	AJC	EET CLE	10/29/24 14:49
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 09:08

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-04 — Lab Sample ID: 240-213668-4

Date Collected: 10/21/24 16:21 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 09:25
Total/NA	Analysis	SM 2540C		1	632519	TAV2	EET CLE	10/25/24 11:42

Client Sample ID: MW-16-05 — Lab Sample ID: 240-213668-5

Date Collected: 10/21/24 15:48 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6010D		1	632969	RKT	EET CLE	10/29/24 13:20
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6020B		1	633017	AJC	EET CLE	10/29/24 14:51
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 09:42
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 09:59
Total/NA	Analysis	SM 2540C		1	632519	TAV2	EET CLE	10/25/24 11:42

Client Sample ID: MW-16-06 — Lab Sample ID: 240-213668-6

Date Collected: 10/22/24 10:23 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6010D		1	632969	RKT	EET CLE	10/29/24 13:24
Total Recoverable	Prep	3005A			632623	AJC	EET CLE	10/28/24 12:00
Total Recoverable	Analysis	6020B		1	633017	AJC	EET CLE	10/29/24 14:54
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 10:16
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 10:33
Total/NA	Analysis	SM 2540C		1	632674	TAV2	EET CLE	10/28/24 08:29

Client Sample ID: MW-16-07 — Lab Sample ID: 240-213668-7

Date Collected: 10/21/24 13:11 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632790	GK	EET CLE	10/28/24 14:00
Total Recoverable	Analysis	6010D		1	633175	RKT	EET CLE	10/30/24 15:30
Total Recoverable	Prep	3005A			632790	GK	EET CLE	10/28/24 14:00
Total Recoverable	Analysis	6020B		1	633049	AJC	EET CLE	10/29/24 15:31
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 10:50
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 11:07
Total/NA	Analysis	SM 2540C		1	632519	TAV2	EET CLE	10/25/24 11:42

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: DUP-01 **Lab Sample ID: 240-213668-8**
Date Collected: 10/21/24 00:00 **Matrix: Water**
Date Received: 10/25/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			632790	GK	EET CLE	10/28/24 14:00
Total Recoverable	Analysis	6010D		1	633175	RKT	EET CLE	10/30/24 15:34
Total Recoverable	Prep	3005A			632790	GK	EET CLE	10/28/24 14:00
Total Recoverable	Analysis	6020B		1	633049	AJC	EET CLE	10/29/24 15:34
Total/NA	Analysis	9056A		1	633893	JMR	EET CLE	11/05/24 11:24
Total/NA	Analysis	9056A		10	633893	JMR	EET CLE	11/05/24 11:41
Total/NA	Analysis	SM 2540C		1	632519	TAV2	EET CLE	10/25/24 11:42

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: 240-213668-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

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
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24

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:	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-125212-41639.1
Client Contact: Chris Scieszka	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin:	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):			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 214270			
Email: CScieszka@trccompanies.com	WO #:			
Project Name: CCR DTE Monroe Plant FAB/VEL	Project #: 24016830			Other:
Site:	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)	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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MW-16-01	10/22/24	820	G	Water							
MW-16-02	10/21/24	1430	G	Water							
MW-16-03	10/21/24	1518	G	Water							
MW-16-04	10/21/24	1621	G	Water							
MW-16-05	10/21/24	1548	G	Water							
MW-16-06	10/22/24	1023	G	Water							
MW-16-07	10/21/24	1311	G	Water							
DUP-01	10/21/24	—	G	Water							
~~MP-001F~~ ER				Water							
				Water							

240-213668 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)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/22/24 1422	TRC	TRC Storage	10/22/24 1422	TRC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10-24/24 1220	TRC		10/24/24	FEDEX
Relinquished by:	Date/Time:	Company	Received by: KATHARINE MARTIN	Date/Time:	Company
	10/24/24	FEDEX		10/25/24 800	ER

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: CM

Cooler Received on 10/25/24 Opened on 10/25/24

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 [X] See Multiple Cooler Form

IR GUN # 17 (CF +0.1 °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# HC447997
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

Samples processed 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 #: 17	1.4	1.5	(Wet Ice circled) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.0	2.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.2	1.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	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

10/25/2024

Login Container Summary Report

240-213668

11/6/2024

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-213668-A-1	Plastic 125mL - unpreserved				
MW-16-01	240-213668-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-213668-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-213668-A-2	Plastic 125mL - unpreserved				
MW-16-02	240-213668-B-2	Plastic 500ml - unpreserved				
MW-16-02	240-213668-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-213668-A-3	Plastic 125mL - unpreserved				
MW-16-03	240-213668-B-3	Plastic 500ml - unpreserved				
MW-16-03	240-213668-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-04	240-213668-A-4	Plastic 125mL - unpreserved				
MW-16-04	240-213668-B-4	Plastic 500ml - unpreserved				
MW-16-04	240-213668-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-05	240-213668-A-5	Plastic 125mL - unpreserved				
MW-16-05	240-213668-B-5	Plastic 500ml - unpreserved				
MW-16-05	240-213668-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-16-06	240-213668-A-6	Plastic 125mL - unpreserved				
MW-16-06	240-213668-B-6	Plastic 500ml - unpreserved				
MW-16-06	240-213668-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-16-07	240-213668-A-7	Plastic 125mL - unpreserved				
MW-16-07	240-213668-B-7	Plastic 500ml - unpreserved				
MW-16-07	240-213668-C-7	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-213668-A-8	Plastic 125mL - unpreserved				
DUP-01	240-213668-B-8	Plastic 500ml - unpreserved				
DUP-01	240-213668-C-8	Plastic 500ml - with 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 12/27/2024 3:34:38 PM Revision 2

JOB DESCRIPTION

CCR DTE Monroe Power Plant FAB/VEL

JOB NUMBER

240-216226-1

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
12/27/2024 3:34:38 PM
Revision 2

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: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

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: 240-216226-1 Eurofins Cleveland

Job Narrative
240-216226-1

REVISION

The report being provided is a revision of the original report sent on 12/12/2024. The report (revision 2) is being revised due to sample DUP-01 switched between jobs 240-216226 and 240-216227.

Report revision history
Revision 1 - 12/19/2024 - Reason - sample ID MW-16002 needs corrected to MW-16.02.

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 12/7/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°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: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	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: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-216226-1	MW-16-01	Water	12/05/24 11:46	12/07/24 08:00
240-216226-2	MW-16-02	Water	12/05/24 09:58	12/07/24 08:00
240-216226-3	MW-16-03	Water	12/06/24 10:12	12/07/24 08:00
240-216226-4	MW-16-04	Water	12/05/24 12:18	12/07/24 08:00
240-216226-5	MW-16-05	Water	12/06/24 09:17	12/07/24 08:00
240-216226-6	MW-16-06	Water	12/05/24 10:56	12/07/24 08:00
240-216226-7	DUP-01	Water	12/05/24 00:00	12/07/24 08:00

Detection Summary

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-01 Lab Sample ID: 240-216226-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	300		100		ug/L	1		6010D	Total Recoverable

Client Sample ID: MW-16-02 Lab Sample ID: 240-216226-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	450		100		ug/L	1		6010D	Total Recoverable

Client Sample ID: MW-16-03 Lab Sample ID: 240-216226-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	500		100		ug/L	1		6010D	Total Recoverable

Client Sample ID: MW-16-04 Lab Sample ID: 240-216226-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	210		100		ug/L	1		6010D	Total Recoverable

Client Sample ID: MW-16-05 Lab Sample ID: 240-216226-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	270		100		ug/L	1		6010D	Total Recoverable

Client Sample ID: MW-16-06 Lab Sample ID: 240-216226-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	380		100		ug/L	1		6010D	Total Recoverable

Client Sample ID: DUP-01 Lab Sample ID: 240-216226-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	460		100		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-01 **Lab Sample ID: 240-216226-1**
Date Collected: 12/05/24 11:46 **Matrix: Water**
Date Received: 12/07/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	300		100		ug/L		12/09/24 14:00	12/11/24 10:30	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-02 **Lab Sample ID: 240-216226-2**
Date Collected: 12/05/24 09:58 **Matrix: Water**
Date Received: 12/07/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	450		100		ug/L		12/09/24 14:00	12/11/24 10:34	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-03 **Lab Sample ID: 240-216226-3**
Date Collected: 12/06/24 10:12 **Matrix: Water**
Date Received: 12/07/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	500		100		ug/L		12/09/24 14:00	12/11/24 10:39	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-04 **Lab Sample ID: 240-216226-4**
Date Collected: 12/05/24 12:18 **Matrix: Water**
Date Received: 12/07/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	210		100		ug/L		12/09/24 14:00	12/11/24 10:51	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-05 **Lab Sample ID: 240-216226-5**
Date Collected: 12/06/24 09:17 **Matrix: Water**
Date Received: 12/07/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	270		100		ug/L		12/09/24 14:00	12/11/24 10:56	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-06 **Lab Sample ID: 240-216226-6**
Date Collected: 12/05/24 10:56 **Matrix: Water**
Date Received: 12/07/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	380		100		ug/L		12/09/24 14:00	12/11/24 11:00	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: DUP-01 **Lab Sample ID: 240-216226-7**
Date Collected: 12/05/24 00:00 **Matrix: Water**
Date Received: 12/07/24 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	460		100		ug/L		12/09/24 14:00	12/11/24 11:13	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Job ID: 240-216226-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-638081/1-A
Matrix: Water
Analysis Batch: 638476

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 638081

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		12/09/24 14:00	12/11/24 09:08	1

Lab Sample ID: LCS 240-638081/2-A
Matrix: Water
Analysis Batch: 638476

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 638081

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1060		ug/L		106	80 - 120		

QC Association Summary

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Metals

Prep Batch: 638081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216226-1	MW-16-01	Total Recoverable	Water	3005A	
240-216226-2	MW-16-02	Total Recoverable	Water	3005A	
240-216226-3	MW-16-03	Total Recoverable	Water	3005A	
240-216226-4	MW-16-04	Total Recoverable	Water	3005A	
240-216226-5	MW-16-05	Total Recoverable	Water	3005A	
240-216226-6	MW-16-06	Total Recoverable	Water	3005A	
240-216226-7	DUP-01	Total Recoverable	Water	3005A	
MB 240-638081/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-638081/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 638476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216226-1	MW-16-01	Total Recoverable	Water	6010D	638081
240-216226-2	MW-16-02	Total Recoverable	Water	6010D	638081
240-216226-3	MW-16-03	Total Recoverable	Water	6010D	638081
240-216226-4	MW-16-04	Total Recoverable	Water	6010D	638081
240-216226-5	MW-16-05	Total Recoverable	Water	6010D	638081
240-216226-6	MW-16-06	Total Recoverable	Water	6010D	638081
240-216226-7	DUP-01	Total Recoverable	Water	6010D	638081
MB 240-638081/1-A	Method Blank	Total Recoverable	Water	6010D	638081
LCS 240-638081/2-A	Lab Control Sample	Total Recoverable	Water	6010D	638081

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: MW-16-01 — Lab Sample ID: 240-216226-1

Date Collected: 12/05/24 11:46 — **Matrix: Water**
Date Received: 12/07/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			638081	BN	EET CLE	12/09/24 14:00
Total Recoverable	Analysis	6010D		1	638476	RKT	EET CLE	12/11/24 10:30

Client Sample ID: MW-16-02 — Lab Sample ID: 240-216226-2

Date Collected: 12/05/24 09:58 — **Matrix: Water**
Date Received: 12/07/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			638081	BN	EET CLE	12/09/24 14:00
Total Recoverable	Analysis	6010D		1	638476	RKT	EET CLE	12/11/24 10:34

Client Sample ID: MW-16-03 — Lab Sample ID: 240-216226-3

Date Collected: 12/06/24 10:12 — **Matrix: Water**
Date Received: 12/07/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			638081	BN	EET CLE	12/09/24 14:00
Total Recoverable	Analysis	6010D		1	638476	RKT	EET CLE	12/11/24 10:39

Client Sample ID: MW-16-04 — Lab Sample ID: 240-216226-4

Date Collected: 12/05/24 12:18 — **Matrix: Water**
Date Received: 12/07/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			638081	BN	EET CLE	12/09/24 14:00
Total Recoverable	Analysis	6010D		1	638476	RKT	EET CLE	12/11/24 10:51

Client Sample ID: MW-16-05 — Lab Sample ID: 240-216226-5

Date Collected: 12/06/24 09:17 — **Matrix: Water**
Date Received: 12/07/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			638081	BN	EET CLE	12/09/24 14:00
Total Recoverable	Analysis	6010D		1	638476	RKT	EET CLE	12/11/24 10:56

Client Sample ID: MW-16-06 — Lab Sample ID: 240-216226-6

Date Collected: 12/05/24 10:56 — **Matrix: Water**
Date Received: 12/07/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			638081	BN	EET CLE	12/09/24 14:00
Total Recoverable	Analysis	6010D		1	638476	RKT	EET CLE	12/11/24 11:00

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Client Sample ID: DUP-01
Date Collected: 12/05/24 00:00
Date Received: 12/07/24 08:00

Lab Sample ID: 240-216226-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			638081	BN	EET CLE	12/09/24 14:00
Total Recoverable	Analysis	6010D		1	638476	RKT	EET CLE	12/11/24 11:13

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: 240-216226-1
Project/Site: CCR DTE Monroe Power Plant FAB/VEL

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
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
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	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24
Wisconsin	State	399167560	08-31-25

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

MICHIGAN
190

Chain of Custody Record

eurofins | Environment Testing America

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

Eurofins Environment Testing America

Client Contact	Project Manager: Vincent Buening	Site Contact:	Date:	COC No:
TRC Companies	Email: Vbuening@trccompanies.com	Lab Contact: Kris Brooks	Carrier:	1 of 1 COCs
1540 Eisenhower Place	Tel/Fax: 734-904-3302			TALS Project #:
Ann Arbor Michigan, 48108	**Analysis Turnaround Time**			Sampler:
734-971-7080 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
NA	TAT if different from Below			Walk-in Client:
Project Name: DTE CCR Monroe Power Plant FAB/VEL	☐ 2 weeks (3 Day)			Lab Sampling:
Site: Michigan	☐ 1 week			
P O # 214270	☐ 2 days			Job / SDG No.:
	☐ 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)	6010B Total Boron	Sample Specific Notes:
MW-16-01	12-5-24	1143	G	GW	1	N	N	X	
MW-16-02	12-5-24	0958	G	GW	1	N	N	X	
MW-16-03	12-6-24	1012	G	GW	1	N	N	X	
MW-16-04	12-5-24	1218	G	GW	1	N	N	X	
MW-16-05	12-6-24	0917	G	GW	1	N	N	X	
MW-16-06	12-5-24	1056	G	GW	1	N	N	X	
DUP-01	12-5-24	—	G	GW	1	N	N	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	

240-216226 COC

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: TRC EDD Required

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

Relinquished by:	Company: TRC	Date/Time: 12/6/24 1355	Received by:	Company: EENA	Date/Time: 12/6/24
Relinquished by:	Company: EENA	Date/Time: 12/6/24	Received by:	Company:	Date/Time: 12/7/24 8:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins - Cleveland Sample Receipt Form/Narrative **Login # :**
Barberton Facility

Client TRC Site Name

Cooler Received on 12/7/24 Opened on 12/7/24

Cooler unpacked by: JF

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

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # E2 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 +0.2 ☐ See Multiple Cooler Form

IR GUN # 421 (CF +0.1 °C) Observed Cooler Temp. 2.6 °C Corrected Cooler Temp 2.8 °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# HC448976 450408
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

Samples processed 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

12/7/2024

Login Container Summary Report

240-216226

12/27/2024 (Rev. 2)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-216226-A-1	Plastic 250ml - with Nitric Acid	<2			
MW-16002	240-216226-A-2	Plastic 250ml - with Nitric Acid	<2			
MW-16-03	240-216226-A-3	Plastic 250ml - with Nitric Acid	<2			
MW-16-04	240-216226-A-4	Plastic 250ml - with Nitric Acid	<2			
MW-16-05	240-216226-A-5	Plastic 250ml - with Nitric Acid	<2			
MW-16-06	240-216226-A-6	Plastic 250ml - with Nitric Acid	<2			
DUP-01	240-216226-A-7	Plastic 250ml - with Nitric Acid	<2			

Field Notes

TRC

PROJECT NAME: DTE MON FAB/VEL 1SA24 GW Sampling

PROJECT NUMBER: 553931.0001.0000

PROJECT MANAGER: Vincent Buening

SITE LOCATION: E. Dunbar Rd
Monroe, MI 48161

DATES OF FIELDWORK: 4/2/2024 TO ~~4/3/2024~~

PURPOSE OF FIELDWORK: Semiannual Groundwater Sampling

WORK PERFORMED BY: Andrew Whaley ~~Elric Rinehart,~~ Javier Jasso

SIGNED 4/3/24 DATE

CHECKED BY 4/8/24 DATE

REVISED 04/2019

TRC

GENERAL NOTES

PROJECT NAME:	DTE MON FAB/VEL 1SA24 GW	DATE: 4/2/24	TIME ARRIVED: 0720
PROJECT NUMBER:	553931.0001.0000	AUTHOR: ~~ER~~, JJ AW	TIME LEFT: 1530

WEATHER

TEMPERATURE: 42 °F WIND: 10 MPH VISIBILITY: Overcast - Drizzle

WORK / SAMPLING PERFORMED

Meet with DTE Security for access
Collect SWL
Sample MW-16-04, MW-16-05, MW-16-03 and MW-16-07
Dup-01

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Gate to MW-07 is locked, Site contact/Security doesn't have a key	Cut the chain under DTE supervision, TRC 3120 lock added, set of keys given to DTE

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vince Boening	TRC	PM - updates
Eric Molnar	DTE	Site contact / access

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	purge to ground

4/3/24
SIGNED DATE

4-3-24
CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME	DTE MON FAB/VEL 1SA24 GW	DATE 4/2/24	TIME ARRIVED 1700
PROJECT NUMBER	553931 0001 0000	AUTHOR ER, JJ	TIME LEFT 1400

WEATHER

TEMPERATURE 60 °F WIND 20 MPH VISIBILITY Over cast Rain

WORK / SAMPLING PERFORMED

Wells Sampled = MW-16-01, 16-06, MP-001F
16-02

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purged to ground

SIGNED 4/3/24 DATE

CHECKED BY 4/3/24 DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE MON FAB/VEL 1SA24 (	SAMPLER NAME:	Elric Rinehart, Javier Jasso
PROJECT NO.:	553931.0001.0000		

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	NA
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

NA	NA
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)
GEOTECH DISPOSABLE FILTER	0.45 MICRON
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
4/3/24	4/3/24
SIGNED DATE	CHECKED BY DATE

REVISED 04/2019

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE MON FAB/VEL 1SA24 GW Sampling	DATE: 4/2/24
PROJECT NUMBER:	553931.0001.0000	AUTHOR: ~~ER~~ JJ AW

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-16-07	1345	+TOC	+7.23	NM	NA	NM
MW-16-01	0830	TOC	4.26	NM	NA	NM
MW-16-06	0845	TOC	0.00	NM	NA	NM
MW-16-02	0905	+TOC	+3.37	NM	NA	NM
MW-16-03	0920	+TOC	+11.32	NM	NA	NM
MW-16-05	0935	+TOC	~~+16.03~~ AW +14.39	NM	NA	NM
MW-16-04	1020	+TOC	+14.78	NM	NA	NM
~~MP-001F~~		Measuring Point		NM	NA	NM (AW)

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR
(E.G., 1.1 + 0.00 T/PVC).

SIGNED 4/3/24 DATE

CHECKED 4-3-24 DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME	DTE MON FAB/VEL 1SA24 GW Sampling	MODEL YSI Pro DSS	SAMPLER AW ~~ER~~, JJ
PROJECT NO.	553931.0001.0000	SERIAL # PROJECT	DATE 4/2/24

PH CALIBRATION CHECK

pH 7 (LOT #): 3GK1332 (EXP. DATE): NOV/25 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 3GK1164 (EXP. DATE): NOV/25 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.04 / 7.04	4.00 / 4.00	☒ WITHIN RANGE	~~0930~~ 1030 AW
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 4GA0971 (EXP. DATE): Jan/25 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1200 / 1200	17.1	☒ WITHIN RANGE	1035
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 23J100212 (EXP. DATE): 4/27 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
225.1 / 225.1	17.3	☒ WITHIN RANGE	1038
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
9.38 / 9.38	17.2	☒ WITHIN RANGE	1044
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): Z1680074 (EXP. DATE): 9/24 POST-CAL. READING / STANDARD	(LOT #): Z1040103 (EXP. DATE): 7/24 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	10.0 / 10.0	☒ WITHIN RANGE	1050
/	/	☐ 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

Separate turbidity meter LaMotte 2020t

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
None	

SIGNED [signature] DATE 4/3/24

CHECKED BY [signature] DATE 4-3-24

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE MON FAB/VEL 1SA24 GW Sampling	MODEL: DO DSS	SAMPLER: ER, JJ
PROJECT NO.:	553931.0001.0000	SERIAL #: PROJECT	DATE: 4/2/24

PH CALIBRATION CHECK

pH 7 (LOT #): 36K1377 (EXP. DATE): 1/25	pH 4 / 10 (LOT #): 3CK1165 (EXP. DATE): 1/25	CAL. RANGE	TIME
POST-CAL. READING / STANDARD	POST-CAL. READING / STANDARD		
7.00 / 7.00	4.00 / 4.00	☑ WITHIN RANGE	0710
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 4GA0774 (EXP. DATE): 1/25	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / STANDARD			
1413 / 1413	16.5	☑ WITHIN RANGE	0710
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 2BE1002 (EXP. DATE): 1/26	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / STANDARD			
237 / 237	16	☑ WITHIN RANGE	0710
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING /SATURATED AIR			
9.61 9.61	16.0	☐ WITHIN RANGE	0710
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 430497 (EXP. DATE): 4/25	(LOT #): (EXP. DATE):	CAL. RANGE	TIME
POST-CAL. READING / STANDARD	POST-CAL. READING / STANDARD		
0 / 0	/	☐ WITHIN RANGE	0710
100 / 100	/	☑ WITHIN RANGE	0710
/	/	☐ 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

SIGNED _____ DATE 4/3/24

CHECKED BY _____ DATE 4/3/24

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE MON FAB/VEL 1SA24 GW	PREPARED	CHECKED
PROJECT NUMBER: 553931.0001.0000	BY: ER JJ DATE: 4/3/24	BY: AW DATE: 4/3/24

SAMPLE ID: MW-16-01 WELL DIAMETER: [x] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [x] PVC [ ] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER

SAMPLE TYPE: [x] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 0917	DATE: 4/2/24	SAMPLE	TIME: 0957	DATE: 4/2/24
PURGE METHOD: [x] PUMP [ ] BAILER	BLADDER PUMP (DEDICATED)		PH: 7.16 SU	CONDUCTIVITY: 2069 umhos/cm	
DEPTH TO WATER: 43c T/ PVC			ORP: -46.5 mV	DO: 1.7 mg/L	
DEPTH TO BOTTOM: NM T/ PVC			TURBIDITY: 3.95 NTU		
WELL VOLUME: NA [ ] LITERS [ ] GALLONS			[x] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
VOLUME REMOVED: 4 [x] LITERS [ ] GALLONS			TEMPERATURE: 9.5 °C	OTHER:	
COLOR: Clear	ODOR: NOR		COLOR: Clear	ODOR: NOR	
TURBIDITY [x] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY			FILTRATE (0.45 um) [ ] YES [x] NO		
			FILTRATE COLOR:	FILTRATE ODOR:	
			QC SAMPLE: [ ] MS/MSD	[ ] DUP-	
DISPOSAL METHOD: [x] 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)
0917	100	7.18	1994	22.6	12.90	17.0	7.1	43c	INITIAL
0922		7.11	2069	20.5	4.76	9.2	9.0	470	.5
0927		7.12	2070	7.9	3.0	7.5	9.1	470	1
0932		7.14	2071	-5.4	2.0	6.0	9.2	470	1.5
0937		7.15	2070	-21.0	1.5	4.3	9.3	470	2
0942		7.15	2071	-30	1.4	4.0	9.3	470	2.5
0947		7.16	2070	-46.0	1.2	3.95	9.4	470	3
0952		7.16	2070	-46.3	1.2	4.0	9.4	470	3.5
0957		7.16	2069	-46.5	1.7	3.95	9.5	475	4

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	PLASTIC	A	[ ] Y [x] N					[ ] Y [ ] N
1	250 mL	PLASTIC	B	[ ] Y [x] N					[ ] Y [ ] N
1	60 mL	PLASTIC	A	[ ] Y [x] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/3/24	AIRBILL NUMBER: --
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 4/3/24

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE MON FAB/VEL 1SA24 GW	PREPARED	CHECKED
PROJECT NUMBER: 553931.0001.0000	BY: ER JJ DATE: 4/3/24	BY: AW DATE: 4/3/24

SAMPLE ID: MW-16-06 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1037	DATE: 4/2/24	SAMPLE	TIME: 1117	DATE: 4/2/24
PURGE METHOD: ☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER Peristaltic			PH: 7.10 SU	CONDUCTIVITY: 2087 umhos/cm	
			ORP: -91.0 mV	DO: 0.67 mg/L	
DEPTH TO WATER: 0.0 T/ PVC			TURBIDITY: 8.9 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 10.4 °C	OTHER:	
VOLUME REMOVED: 0 ☐ LITERS ☐ GALLONS			COLOR: Cloudy	ODOR: None	
COLOR: Clear	ODOR: None		FILTRATE (0.45 um): ☐ YES ☐ NO		
TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR:	FILTRATE ODOR:	
			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
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)
1037	200	7.44	2078	13.4	9.8	30	9.7	0.0	INITIAL
1042		7.17	2085	-24.5	2.4	14.7	10.5	0.0	1
1047		7.16	2086	-5.5	1.4	13.5	10.4	0.0	2
1052		7.17	2084	-69.	1.1	12.5	10.5	0.0	3
1057		7.18	2087	-80	1.0	11.0	10.3	0.0	4
1102		7.18	2087	-90.5	0.98	10	10.3	0.0	5
1107		7.16	2086	-90.5	0.93	9.0	10.4	0.0	6
1112		7.18	2086	-90.5	0.89	9.0	10.4	0.0	7
1117		7.10	2087	-91.0	0.87	8.9	10.4	0.0	8

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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/3/24	AIRBILL NUMBER: _
COC NUMBER: _	SIGNATURE:	DATE SIGNED: 4/3/24

REVISED 04/2019

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE MON FAB/VEL 1SA24 GW	PREPARED	CHECKED
PROJECT NUMBER: 553931.0001.0000	BY: AW ~~ER~~ JJ DATE: 4/2/24	BY: AW SK DATE: 4/3/24

SAMPLE ID: MW-1604 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1020	DATE: 4/2/24
PURGE METHOD	☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER Artesian	
DEPTH TO WATER: 14.78 T/ PVC		
DEPTH TO BOTTOM: NM T/ PVC		
WELL VOLUME: 8 ☐ LITERS ☒ GALLONS		
VOLUME REMOVED: 206.5 ☐ LITERS ☒ GALLONS		
COLOR: Gray - clear ODOR: None		
TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER		

SAMPLE	TIME: 1135	DATE: 4/2/24
PH: 7.01 SU	CONDUCTIVITY: 1606 umhos/cm	
ORP: -6.2 mV	DO: 1.77 mg/L	
TURBIDITY: 0.81 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 11.3 °C	OTHER	
COLOR: Clear	ODOR: Slight	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR	FILTRATE ODOR	
QC SAMPLE ☐ MS/MSD	☐ DUP-	
COMMENTS: 27.5 GPM @ 1020-1100		

TIME	PURGE RATE ~~(L/MIN)~~ (GPM)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL ~~(FT)~~	CUMULATIVE PURGE VOLUME ~~(GAL)~~ OR L)
1100	27.5	6.65	1621	57.9	2.06	8.84	11.3	14.78 NM	~~INITIAL~~ 1100 137.5
1105		6.85	1614	32.2	1.87	6.62	11.3		1237.5
1110		6.92	1608	17.9	1.83	2.20	11.3		1375
1115		6.95	1616	7.9	1.81	1.32	11.3		1512.5
1120		6.98	1610	1.6	1.80	0.84	11.3		1650
1125		7.00	1611	-3.8	1.78	0.76	11.3		1787.5
1130		7.00	1609	-4.8	1.78	0.90	11.3		1925
1135		7.01	1606	-6.2	1.77	0.81	11.3		2062.5

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	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/3/24	AIRBILL NUMBER: _
COC NUMBER: _	SIGNATURE: A. Wilmes	DATE SIGNED: 4/3/24

TRC

WATER SAMPLE LOG

PROJECT NAME	DTE MON FAB/VEL 1SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER	553931.0001.0000	BY AW ~~EB~~ JJ	DATE 4/2/24	BY JK	DATE 4-3-24

SAMPLE ID: MW-16-05 WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME 0935	DATE 4/2/24
PURGE METHOD	☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER Artesian conditions	
DEPTH TO WATER	4.39 T/ PVC	
DEPTH TO BOTTOM	NM T/ PVC	
WELL VOLUME	7.5 ☐ LITERS ☒ GALLONS	
VOLUME REMOVED	2000 ☐ LITERS ☒ GALLONS	
COLOR	Cloudy gray	ODOR Slight
TURBIDITY	☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY	
DISPOSAL METHOD	☑ GROUND ☐ DRUM ☐ OTHER	

SAMPLE	TIME 1215	DATE 4/2/24
PH	6.95 SU	CONDUCTIVITY 1605 umhos/cm
ORP	-3.5 mV	DO 1.74 mg/L
TURBIDITY	2.23 NTU	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE	11.8 °C	OTHER –
COLOR	Clear	ODOR None
FILTRATE (0.45 um)	☐ YES ☒ NO	
FILTRATE COLOR		FILTRATE ODOR
QC SAMPLE	☐ MS/MSD ☒ DUP- 01	
COMMENTS	Flow rate: 12.5 GPM @ 0935	

TIME	PURGE RATE ~~GPM~~ (L/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME ~~INITIAL~~ (GAL OR L)
1200	12.5	6.91	1611	4.9	1.88	22.1	11.8	NM	~~INITIAL~~ 1812.5
1203	↓	6.93	1606	-0.4	1.80	12.2	11.8	↓	1850
1206		6.94	1606	-0.9	1.76	8.46	11.8		1887.5
1209		6.94	1606	-2.9	1.75	4.67	11.8		1925
1212		6.94	1606	-3.3	1.75	3.12	11.8		1962.5
1215	↓	6.95	1605	-3.5	1.74	2.23	11.8	↓	2000

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 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
2	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD	Courier	DATE SHIPPED	4/3/24	AIRBILL NUMBER	–
COC NUMBER	–	SIGNATURE	D. Wlusz	DATE SIGNED	4/3/24

TRC

WATER SAMPLE LOG

PROJECT NAME	DTE MON FAB/VEL 1SA24 GW	PREPARED	CHECKED
PROJECT NUMBER	553931.0001.0000	BY ER (JJ) DATE 4/3/24	BY AW DATE 4/3/24

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 1150	DATE 4/2/24	SAMPLE	TIME 1239	DATE 4/2/24
PURGE METHOD	☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER Artesian		PH 7.21 SU	CONDUCTIVITY 2123 umhos/cm	
			ORP -123.0 mV	DO 0.58 mg/L	
DEPTH TO WATER 0.84 ~~T. BWD~~ PSI			TURBIDITY 3.50 NTU		
DEPTH TO BOTTOM ____ T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME 4.75 ☐ LITERS ☒ GALLONS			TEMPERATURE 10.6 °C	OTHER	
VOLUME REMOVED 411 ☐ LITERS ☒ GALLONS			COLOR Clear	ODOR None	
COLOR Clear	ODOR None		FILTRATE (0.45 um) ☐ YES ☒ NO		
TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR	FILTRATE ODOR	
			QC SAMPLE ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS 1.5 GPM at 0905 - 1150		

TIME	PURGE RATE (GPM)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1150	1.5	7.56	2127	-7	10.5	7.8	10.5	NA	~~INITIAL~~ 337.5
1157		720	7127	-71.0	1.0	3.70	10.6		348
1204		7.20	2127	-95	071	3.75	10.6		358.5
1211		7.20	2122	-112.5	067	3.80	10.6		369
1218		7.20	2122	-113.5	063	3.60	10.6		379.5
1225		7.21	2122	-122.5	061	3.50	10.6		390
1232		7.21	2123	-122.5	059	3.45	10.6		400.5
1239		7.21	2123	-123.0	058	3.50	10.6		411

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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD Courier	DATE SHIPPED 4/3/24	AIRBILL NUMBER --
COC NUMBER --	SIGNATURE	DATE SIGNED 4/3/24

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE MON FAB/VEL 1SA24 GW	PREPARED	CHECKED
PROJECT NUMBER: 553931.0001.0000	BY: AW ER, JJ DATE: 4/12/24	BY: JK DATE: 4-7-24

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 0920	DATE 4/12/24

PURGE METHOD: ☑ PUMP ☐ BAILER BLADDER PUMP (DEDICATED)

DEPTH TO WATER: +11.32 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: 7 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 510 ☐ LITERS ☒ GALLONS

COLOR: brownish gray ODOR: Slight

TURBIDITY: ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME 1244	DATE 4/12/24

PH: 6.96 SU CONDUCTIVITY: 1703 umhos/cm

ORP: -1.7 mV DO: 1.75 mg/L

TURBIDITY: 1.91 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.6 °C OTHER: -

COLOR: Clear ODOR: None

FILTRATE (0.45 um): ☐ YES ☒ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: 2.5gpm @920 - 1235 = 487.5gal

TIME	PURGE RATE ~~(GPM)~~ (ML/MIN)	PH (SU) 6.7-7.3	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1235	2.5	6.95	1705	3.6	1.86	5.17	11.6	+11.32 NF	~~INITIAL~~ 487.5
1238	↓	6.95	1704	2.7	1.82	3.90	11.6	↓	495
1241		6.96	1703	0.7	1.78	3.32	11.6		502.5
1244		6.96	1703	-1.7	1.75	1.91	11.6		510

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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/13/24	AIRBILL NUMBER: -
COC NUMBER: -	SIGNATURE: A. Wilmoth	DATE SIGNED: 4/13/24

TRC

WATER SAMPLE LOG

PROJECT NAME	DTE MON FAB/VEL 1SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER	553931.0001.0000	BY ER (JJ)	DATE 4/3/24	BY AW	DATE 4/3/24

SAMPLE ID: MP-001F WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME	DATE

PURGE METHOD ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER

DEPTH TO WATER _____ T/ PVC

DEPTH TO BOTTOM _____ T/ PVC

WELL VOLUME _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED _____ ☐ LITERS ☐ GALLONS

COLOR _____ ODOR _____

TURBIDITY

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME 1300	DATE 4/2/24

PH 8.88 SU CONDUCTIVITY 680 umhos/cm

ORP -4.5 mV DO 13.5 mg/L

TURBIDITY 66 NTU

☒ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE 7.4 °C OTHER _____

COLOR clear ODOR none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR _____ FILTRATE ODOR _____

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)
									INITIAL

GRAB 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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD	Courier	DATE SHIPPED	4/3/24	AIRBILL NUMBER	--
COC NUMBER	--	SIGNATURE		DATE SIGNED	4/3/24

REVISED 04/2019

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE MON FAB/VEL 1SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER: 553931.0001.0000	BY: AJ ER, JJ	DATE: 4/2/24	BY: JK	DATE: 4-3-24

SAMPLE ID: MW-16-07 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1345	DATE: 4/2/24
PURGE METHOD: ☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER	Artesian	
DEPTH TO WATER: 7.23 T/ PVC		
DEPTH TO BOTTOM: NM T/ PVC		
WELL VOLUME: 122.5 ☐ LITERS ☒ GALLONS		
VOLUME REMOVED: 6 ☐ LITERS ☒ GALLONS		
COLOR: Gray	ODOR: None	
TURBIDITY: ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER		

SAMPLE	TIME: 1422	DATE: 4/2/24
PH: 7.02 SU	CONDUCTIVITY: 1587 umhos/cm	
ORP: -14.6 mV	DO: 1.70 mg/L	
TURBIDITY: 3.88 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 11.4 °C	OTHER: —	
COLOR: Clear	ODOR: None	
FILTRATE (0.45 um): ☐ YES ☒ NO		
FILTRATE COLOR:	FILTRATE ODOR:	
QC SAMPLE: ☐ MS/MSD ☐ DUP-		
COMMENTS: Flow rate - 2.5 Gal/min		

TIME	PURGE RATE (GPM)	PH (SU) 6.9-7.4	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1355	2.5	7.04	1600	2.4	1.89	OVER	11.6	NA	~~INITIAL~~ 25
1358		7.00	1591	-1.9	1.78	51.5	11.4		32.5
1401		7.00	1588	-4.4	1.76	17.2	11.5		40
1404		7.01	1589	-6.2	1.74	9.23	11.6		47.5
1407		7.01	1593	-7.0	1.73	7.95	11.5		60
1410		7.01	1586	-9.0	1.73	8.11	11.4		72.5
1413		7.02	1583	-10.6	1.72	5.99	11.4		85
1416		7.02	1585	-12.1	1.71	4.57	11.4		97.5
1419		7.02	1582	-13.3	1.71	4.21	11.3		110
1422		7.02	1587	-14.6	1.70	3.88	11.4		122.5

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	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/3/24	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: A. Wilson	DATE SIGNED: 4/3/24

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. Whaley / J. Jasso	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-119148-41639.1
Client Contact: Chris Scieszka	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: Standard			
City: Ann Arbor	TAT Requested (days): Standard 10 Day			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 214270			
Email: CScieszka@trccompanies.com	WO #:			
Project Name: CCR DTE Monroe Plant FAB/VEL	Project #: 24016830			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
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)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010D Bo, 6020A Ca & Fe	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	D	X	
MW-16-01	4/2/24	0857	G	Water	N	N				3	
MW-16-02		1239	G	Water	N	N				3	
MW-16-03		1244	G	Water	N	N				3	
MW-16-04		1135	G	Water	N	N				3	
MW-16-05		1215	G	Water	N	N				3	
MW-16-06		1117	G	Water	N	N				3	
MW-16-07		1422	G	Water	N	N				3	
DUP-01		—	G	Water	N	N				3	
				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) 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
	4/2/24 1640	TRC		4/3/24	EEN
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: 01/16/2019

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

Chain of Custody Record

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eurofins | Environment Testing

Client Information	Sampler: J. Josso	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-119148-41639.1
Client Contact: Chris Scieszka	Phone: 734-210-9239	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:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:
City: Ann Arbor	TAT Requested (days): Standard 10 Day			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 214270			
Email: CScieszka@trccompanies.com	WO #:			
Project Name: CCR DTE Monroe Plant FAB/VEL	Project #: 24016830			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Ww=water, Sw=solid, O=wastecil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	6010D Bo, 6020A Ca & Fe	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MP-001F	4/2/24	1300	G	Water	N	N	X	X	X	3	
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				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) TRC EDD

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 4/2/24 1610	Company: TRC	Received by:	Date/Time: 4/3/24	Company: ETA
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: 01/16/2019

Pg 1 of 1

TRC

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW Sampling
PROJECT NUMBER:	553931.0001.0000
PROJECT MANAGER:	Vincent Buening
SITE LOCATION:	E. Dunbar Rd Monroe, MI 48161
DATES OF FIELDWORK:	10/21/2024 TO 10/23/2024
PURPOSE OF FIELDWORK:	Semiannual Groundwater Sampling
WORK PERFORMED BY:	~~Elric Rinehart~~, Javier Jasso

SIGNED 10/22/24 DATE

CHECKED BY 11-4-24 DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE MON FAB/VEL 2SA24	SAMPLER NAME:	Elric Rinehart, Javier Jasso
PROJECT NO.:	553931.0001.0000		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
HERON DIPPER-T	PROJECT DEDICATED

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
NA	NA

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
NA	NA

PURGING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (DEDICATED)	PROJECT DEDICATED

SAMPLING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (DEDICATED)	PROJECT DEDICATED

NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
GEOTECH DISPOSABLE FILTER	0.45 MICRON

TUBING TYPE: DEDICATED POLY TUBING

☑ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

POTABLE WATER SOURCE	DI WATER SOURCE
STORE BOUGHT	STORE BOUGHT

SIGNED _____ DATE 10/23/24

CHECKED BY _____ DATE 10-4-24

REVISED 04/2019

TRC

GENERAL NOTES

PROJECT NAME: DTE MON FAB/VEL 2SA24 GW	DATE: Oct 21, 2024	TIME ARRIVED: 820
PROJECT NUMBER: 553931.0001.0000	AUTHOR: ER JJ	TIME LEFT: ~~1715~~ 1710

WEATHER

TEMPERATURE: 55 °F WIND: 7 MPH VISIBILITY: Sunny

WORK / SAMPLING PERFORMED

MW-16-07, MW-16-02, MW-16-03, MW-16-05, MW-16-04

Collect water levels

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Surface sample site dry	Notify PM

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Jason	DTE	Site access contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
Water	NM	Purge to ground

SIGNED Oct, 21, 2024 DATE

CHECKED BY 11-4-24 DATE

TRC

GENERAL NOTES

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	DATE: 10/22/24	TIME ARRIVED: 6.50
PROJECT NUMBER:	553931.0001.0000	AUTHOR: ~~ER~~, JJ	TIME LEFT: 12.20

WEATHER		
TEMPERATURE: 47 °F	WIND: 2 MPH	VISIBILITY: Sunny

WORK / SAMPLING PERFORMED

Sample MW-16-01, MW-16-06, MW ~~16~~-8S BAI

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Jason	DTE	Site access contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
Water	NA	Purge to ground

SIGNED 10/22/24 DATE

CHECKED BY 11-4-24 DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW Sampling	MODEL: DTE YSI	SAMPLER: ER, JJ
PROJECT NO.:	553931.0001.0000	SERIAL #: PROJECT	DATE: Oct 21, 24-Oct 22, 2024

PH CALIBRATION CHECK

	pH 7 (LOT #): 4GF1173 (EXP. DATE): Jun/26 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 4GF0044 (EXP. DATE): Jun/26 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
10/21	7.02 / 7.02	4.0 / 4.0	☑ WITHIN RANGE	9:20
10/22	7.04 / 7.04	4.0 / 4.0	☐ WITHIN RANGE	740
	/	/	☐ WITHIN RANGE	
	/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

	CAL. READING (LOT #): 4GH0160 (EXP. DATE): Aug/25 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
10/21	1277 / 1277	19.7	☑ WITHIN RANGE	930
10/22	1169. / 1169	15.3	☑ WITHIN RANGE	750
	/		☐ WITHIN RANGE	
	/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

	CAL. READING (LOT #): 24A100343 (EXP. DATE): 29-01-16 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
10/21	224 / 224	19.5	☑ WITHIN RANGE	925
10/22	227.5 / 227.5	15.8	☑ WITHIN RANGE	745
	/		☐ WITHIN RANGE	
	/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

	CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
10/21	8.85 / 8.85	20	☑ WITHIN RANGE	9:35
10/22	9.65 / 9.65	15.8	☐ WITHIN RANGE	755
	/		☐ WITHIN RANGE	
	/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

	CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
10/21	0 / 0	10 / 10	☑ WITHIN RANGE	930
10/22	0 / 0	10 / 10	☐ 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

LaMotte 2020 T (10/21 - 10/22)

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED 10/23/24 DATE

CHECKED BY 11-4-24 DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW Sampling	DATE:	10/22/24
PROJECT NUMBER:	553931.0001.0000	AUTHOR:	ER, JJ

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-16-07	9:45	Gauge	1.25 psi	DNM		+4.3875
MW-16-01	10:18	TOC	4.94			
MW-16-06	10:30	TOC	1.15			
MW-16-02	1040	Gauge	0.42 psi			+2.4702
MW-16-03	10:55	Gauge	3.79 psi			+10.2549
MW-16-05	1120	Gauge	4.65 psi			+12.2415
~~MW-16-04~~	~~1135~~	~~Gauge~~	~~2.29 psi~~			~~+6.6744~~
MP-001F	Dry - no	water	for	sample		
MW-16-09	1337	Gauge	4.09 psi			+10.9479
~~BAI MW-85~~	~~1125~~	~~Toc~~	~~14.1~~			

(HS)

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

SIGNED 10/23/24 DATE

CHECKED 11-4-24 DATE

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/21/24	BY: HS	DATE: 12/16/24

SAMPLE ID: MW-16-07	WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER				
WELL MATERIAL:	☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL			☐ OTHER	
SAMPLE TYPE:	☑ GW ☐ WW ☐ SW ☐ DI	☐ LEACHATE		☐ OTHER	

PURGING	TIME: 1253	DATE: 10/21/24	SAMPLE	TIME: 1311	DATE: 10/21/24
PURGE METHOD:	☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER artesian (HS)		PH: 7.02 SU	CONDUCTIVITY: 1900 umhos/cm	
			ORP: -41.5 mV	DO: 0.28 mg/L	
DEPTH TO WATER: NM T/ PVC (HS)			TURBIDITY: 1.78 NTU		
DEPTH TO BOTTOM NM T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 6	☐ LITERS	☑ GALLONS	TEMPERATURE: 13.0 °C	OTHER:	
VOLUME REMOVED: ~~294~~ 309 gal (HS)	☐ LITERS	☑ GALLONS	COLOR: Clear	ODOR: Yes	
COLOR: Cloudy	ODOR: Yes		FILTRATE (0.45 um) ☐ YES ☒ NO (HS)		
TURBIDITY			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: Open @ 9:45		

by 282 + 294 (HS)

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)
1253	1.5 gpm	7.02	1898	-14.9	+0.24	2.53	13.1	NM	~~INITIAL~~ 282 g
1302		7.02	1899	-30.3	+0.27	1.29	13.0	↓	~~+~~ 295.5 g
1311		7.02	1900	-41.5	+0.28	1.78	13.0	↓	~~+~~ 309 g (HS)

1 gal per 1.5 min
2 gal per 3 min

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	PLASTIC	A	☐ Y	☑ N					☐ Y	☐ N
1	250 mL	PLASTIC	B	☐ Y	☑ N					☐ Y	☐ N
1	60 mL	PLASTIC	A	☐ Y	☑ N					☐ Y	☐ N
				☐ Y	☐ N					☐ Y	☐ N
				☐ Y	☐ N					☐ Y	☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:		AIRBILL NUMBER: --		
COC NUMBER: --	SIGNATURE:		DATE SIGNED:	12/22/24	

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/21/24	BY: HS	DATE: 12/16/24

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: 1415	DATE: 10/21/24	SAMPLE	TIME: 1430	DATE: 10/21/24

PURGE METHOD: ☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER artesian (HS)

DEPTH TO WATER: NM T/ PVC (HS)

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: 9.75 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 14.886 ☐ LITERS ☒ GALLONS

COLOR: Cloudy ODOR: Slight

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.04 SU CONDUCTIVITY: 1984 umhos/cm

ORP: 36.0 mV DO: 0.19 mg/L

TURBIDITY: 3.89 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.9 °C OTHER:

COLOR: Clear ODOR: slight

FILTRATE (0.45 um) ☐ YES ☒ NO (HS)

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Open @ 1040 245 mL per min DO

~~14.2~~ 14.886 (HS)

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)	
1415	245	7.02	1978	66.4	0.09	2.2	13.9		INITIAL	13.915 g
1420	↓	7.04	1978	48.1	0.1	2.74	13.9		1.225	14.239 g
1425		7.04	1977	41.1	0.15	3.93	13.9		2.45	14.562 g
1430	↓	7.04	1984	36.0	0.19	3.89	13.9		3.675	14.886 g
										(HS)

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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:	AIRBILL NUMBER: --
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 10/22/24

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/21/24	BY: HS	DATE: 12/16/24

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: 1457	DATE: 10/21/24	SAMPLE	TIME: 1518	DATE: 10/21/24
PURGE METHOD: ☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER artesian (HS)			PH: 7.04 SU	CONDUCTIVITY: 2038 umhos/cm	
			ORP: -7.8 mV	DO: 2.49 mg/L ± 0.29	
DEPTH TO WATER: NM T/ PVC (HS)			TURBIDITY: 2.49 NTU		
DEPTH TO BOTTOM NM T/ PVC			☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 7 ☐ LITERS ☒ GALLONS			TEMPERATURE: 12.5 °C	OTHER:	
VOLUME REMOVED: 263 ☐ LITERS ☒ GALLONS			COLOR: Clear	ODOR: Slight	
COLOR: Cloudy	ODOR: Slight		FILTRATE (0.45 um) ☐ YES ☒ NO (HS)		
TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			FILTRATE COLOR:	FILTRATE ODOR:	
			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: Open @ 10:55		

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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)
1457	1 gpm	7.03	2033	20.8	+0.15	4.39	12.7	NM	~~INITIAL~~ 242 g gal per min
1504	↓	7.04	2034	4.9	+0.20	3.5	12.6	↓	~~7~~ 249 g
1511		7.05	2035	-2.6	+0.25	2.79	12.7		~~14~~ 256 g
1518	↓	7.04	2038	-7.8	+0.29	2.49	12.5	↓	~~21~~ 263 g (HS)

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

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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:	AIRBILL NUMBER: --
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 10/22/24

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/21/24	BY: HS	DATE: 12/16/24

SAMPLE ID: MW-16-05 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1539	DATE: 10/21/24	SAMPLE	TIME: 1548	DATE: 10/21/24
PURGE METHOD: ☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER artesian (HS)			PH: 7.06 SU	CONDUCTIVITY: 1812 umhos/cm	
			ORP: -57.9 mV	DO: ~~10.27~~ mg/L	
DEPTH TO WATER: NM T/ PVC (HS)			TURBIDITY: 1.35 NTU		
DEPTH TO BOTTOM NM T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 7.5 ☐ LITERS ☒ GALLONS			TEMPERATURE: 12.4 °C	OTHER:	
VOLUME REMOVED: 2680 ☐ LITERS ☒ GALLONS			COLOR: Clear	ODOR: slight	
COLOR: Cloudy	ODOR: slight		FILTRATE (0.45 um) ☐ YES ☒ NO (HS)		
TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			FILTRATE COLOR:	FILTRATE ODOR:	
			QC SAMPLE: ☐ MS/MSD ☒ DUP- 01		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: Open @ 1120		

By 259

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)
1539	10 gpm	7.05	1913	-16.4	~~10.42~~	3.83	12.4		~~INITIAL~~ 2590 g
1542		7.05	1912	-39.5	~~10.09~~	2.09	12.3		~~30 gal~~ 2620 g
1545		7.05	1912	-52	~~10.22~~	1.44	12.3		~~60 gal~~ 2650 g g
1548		7.06	1912	-57.9	~~10.25~~	1.35	12.4		~~90 gal~~ 2680 g
									(HS)

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 - HNO_3 C - H_2SO_4 D - NaOH E - HCl F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:	AIRBILL NUMBER: --
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 12/22/24

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/21/24	BY: HS	DATE: 12/16/24

SAMPLE ID: MW-16-04 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: ~~1631~~ 1612	DATE: 10/21/24	SAMPLE	TIME: 1621	DATE: 10/21/24
PURGE METHOD: ☑ PUMP ~~☐ BLADDER PUMP (DEDICATED)~~ ☐ BAILER artesian (HS)			PH: 7.09 SU	CONDUCTIVITY: 1930 umhos/cm	
			ORP: -169.2 mV	DO: +0.27 mg/L	
DEPTH TO WATER: NM T/ PVC (HS)			TURBIDITY: 1.32 NTU		
DEPTH TO BOTTOM NM T/ PVC			☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 8 ☐ LITERS ☒ GALLONS			TEMPERATURE: 11.9 °C	OTHER:	
VOLUME REMOVED: 3280 ☐ LITERS ☒ GALLONS			COLOR: Clear	ODOR: yes	
COLOR: Cloudy	ODOR: yes		FILTRATE (0.45 um) ☐ YES ☒ NO (HS)		
TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			FILTRATE COLOR:	FILTRATE ODOR:	
			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: Open @ 1337		

Dy 3160

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)
1612	20gpm	7.08	1942	-121.4	+0.81	1.43	12.0	NM	~~INITIAL~~ 3100 g
1615		7.08	1938	-141.4	+0.07	1.33	11.9	↓	~~60~~ 3160 g
1618		7.08	1934	-156.6	+0.21	1.56	11.9		~~120~~ 3220 g
1621	↓	7.09	1930	-169.2	+0.27	1.32	11.9	✓	~~180~~ 3280 g
									(HS)

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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:	AIRBILL NUMBER: --
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 10/22/24

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED			CHECKED		
PROJECT NUMBER:	553931.0001.0000	BY:	ER, JJ	DATE: 10/22/24	BY: HS	DATE: 12/16/24	

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: 805	DATE: 10/22/24	SAMPLE	TIME: 820	DATE: 10/22/24
PURGE METHOD:	☑ PUMP BLADDER PUMP (DEDICATED)		PH: 7.1 SU	CONDUCTIVITY: 1684	umhos/cm
	☐ BAILER		ORP: 95.7 mV	DO: 0.07	mg/L
DEPTH TO WATER: 4.95 T/ PVC			TURBIDITY: 1.69 NTU		
DEPTH TO BOTTOM DNM T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM	☐ LITERS ☐ GALLONS		TEMPERATURE: 12.7 °C	OTHER:	
VOLUME REMOVED: 4.5	☒ LITERS ☐ GALLONS		COLOR: Clear	ODOR: No	
COLOR: Clear	ODOR: No		FILTRATE (0.45 um) ☐ YES ☒ NO (HS)		
TURBIDITY			FILTRATE COLOR:	FILTRATE ODOR:	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
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)
805	360	7.07	1681	138.7	0.4	2.82	12.6	4.95	INITIAL
810	↓	7.09	1683	112.1	0.21	1.61	12.7	5.12	1.5
815		7.10	1684	102.7	0.13	1.42	12.7	5.2	3.0
820		7.1	1684	95.7	0.07	1.69	12.7	5.2	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 - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:	AIRBILL NUMBER: --	
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 10/22/24	

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/22/24	BY: HS	DATE: 12/16/24

SAMPLE ID: MW1606 | **WELL DIAMETER:** ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 858	DATE: 10/22/24
PURGE METHOD:	☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ BAILER peristaltic (HS)	
DEPTH TO WATER:	1.35 T/ PVC	
DEPTH TO BOTTOM	NM T/ PVC	
WELL VOLUME:	8.5 ☐ LITERS ☒ GALLONS	
VOLUME REMOVED:	34 ☒ LITERS ☐ GALLONS	
COLOR:	Cloudy	ODOR: Slight
TURBIDITY	☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY	
DISPOSAL METHOD:	☑ GROUND ☐ DRUM ☐ OTHER	

SAMPLE	TIME: 1023	DATE: 10/22/24
PH: 7.06 SU	CONDUCTIVITY: 1706 umhos/cm	
ORP: -80 mV	DO: 0.24 mg/L	
TURBIDITY: 7.08 NTU		
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 12.7 °C	OTHER:	
COLOR: Clear	ODOR: slight	
FILTRATE (0.45 um) ☐ YES ☒ NO (HS)		
FILTRATE COLOR:	FILTRATE ODOR:	
QC SAMPLE: ☐ MS/MSD ☐ DUP-		
COMMENTS: PM Advised to sample other Tue is 660		

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)
858	400	7.07	1707	30.3	1.03	66.1	12.8	1.35	INITIAL
903		7.06	1704	22.4	0.01	103.2	12.7	1.18	2.0
908		7.06	1701	18.1	~~0.00~~	99.2	12.7	1.17	4.0
913		7.06	1702	18.7	0.11	77.2	12.7	1.19	6.0
918		7.06	1700	10.8	0.15	70.4	12.7	1.19	8.0
923		7.06	1700	8.4	0.17	62.2	12.7	—	10.0
928		7.06	1703	11.8	0.08	66.9	12.7	—	12.0
933		7.06	1702	4.4	0.19	57.2	12.7	1.20	14.0
938		7.06	1700	1.9	0.21	39.1	12.7	—	16.0
943		7.06	1698	0.3	0.22	27.4	12.7	1.21	18.0

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	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:	AIRBILL NUMBER: --
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 10/22/24

TRC

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PA

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/22/24	BY: HS	DATE: 12/16/24

SAMPLE ID: MW-16-06

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)
948	400	7.06	1698	-1.3	0.22	21.3	12.7	1.21	20.0
953	↓	7.06	1698	-2.4	0.23	27.7	12.7	—	22
958		7.05	1704	9.5	0.19	26.6	12.8	1.20	24
1003		7.06	1706	0.6	0.16	12.4	12.7	—	26
1008		7.06	1706	-3.4	0.22	9.67	12.7	—	28
1013		7.06	1705	-5.6	0.23	7.27	12.7	—	30
1018	↓	7.06	1705	-7.2	0.24	7.13	12.7	—	32
1023		7.06	1706	-8.0	0.24	7.08	12.7	—	34

SIGNATURE: [signature]

DATE SIGNED: 10/22/24

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GW	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: ER, JJ	DATE: 10/21/24	BY: HS	DATE: 12/16/24

SAMPLE ID: MP-001 F

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME:	DATE:

PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER

DEPTH TO WATER: _____ T/ PVC

DEPTH TO BOTTOM _____ T/ PVC

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: _____ ODOR: _____

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: _____ SU CONDUCTIVITY: _____ umhos/cm

ORP: _____ mV DO: _____ mg/L

TURBIDITY: _____ NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: _____ °C OTHER: _____

COLOR: _____ ODOR: _____

FILTRATE (0.45um) ☐ YES ☐ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

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)
									INITIAL
	Dry - did not collect -								

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	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED:	AIRBILL NUMBER: --
COC NUMBER: --	SIGNATURE:	DATE SIGNED: 10/22/24

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:	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-125212-41639.1
Client Contact: Chris Scieszka	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):			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 214270			
Email: CScieszka@trccompanies.com	WO #:			
Project Name: CCR DTE Monroe Plant FAB/VEL	Project #: 24016830			
Site:	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)	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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D		
MW-16-01	10/22/24	820	G	Water							
MW-16-02	10/21/24	1430	G	Water							
MW-16-03	10/21/24	1518	G	Water							
MW-16-04	10/21/24	1621	G	Water							
MW-16-05	10/21/24	1548	G	Water							
MW-16-06	10/22/24	1023	G	Water							
MW-16-07	10/21/24	1311	G	Water							
DUP-01	10/21/24	—	G	Water							
~~MP-001F~~ ER				~~Water~~							
				Water							

Other:

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		10/22/24 1422	TRC	TRC Storage	10/22/24 1422	TRC
2		10-24-24 1220	TRC		10/24/24	FEMA
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

TRC

PROJECT NAME:	DTE: CCR MONPP FAB Sample & Report
PROJECT NUMBER:	553931.0001.0000
PROJECT MANAGER:	Vince Buening
SITE LOCATION:	
DATES OF FIELDWORK:	12-5-24 TO 12-6-24
PURPOSE OF FIELDWORK:	Verification sampling 2SA24
WORK PERFORMED BY:	Jake Krenz

12-9-24
SIGNED DATE

12/16/24
CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE: CCR MONPP FAB Samp	DATE: 12-5-24	TIME ARRIVED: 0800
PROJECT NUMBER: 553931.0001.0000	AUTHOR: Jake Krenz	TIME LEFT: 1245

WEATHER

TEMPERATURE: 25 °F WIND: 0-5 MPH VISIBILITY: cloudy/Sunny

WORK / SAMPLING PERFORMED

Completed Verification Sampling @ mw-16-01, mw-16-02, mw-16-06 and mw-16-04

~~mw-16~~

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
mw-16-05 and mw-16-07 are frozen	Brought supplies to those well

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
E. Molnar	DTE	check in/out

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
purge water	NM	purged to ground

SIGNED 12-9-24 DATE

CHECKED BY 12/16/24 DATE

TRC

GENERAL NOTES

PROJECT NAME:	DTE: CCR MONPP FAB Samp	DATE: 12-6-24	TIME ARRIVED: 0800
PROJECT NUMBER:	553931.0001.0000	AUTHOR: Jake Krenz	TIME LEFT: 1100

WEATHER		
TEMPERATURE: 35 °F	WIND: 0-5 MPH	VISIBILITY: Clear

WORK / SAMPLING PERFORMED
Thawed and Sampled MW-16-05 and MW-16-03

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
MW-16-05 and MW-16-03 are frozen	Thawed with Heater

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS
E. Molnar	DTE	check in/out

INVESTIGATION DERIVED WASTE SUMMARY		
WASTE MATRIX	QUANTITY	COMMENTS
purge water	NM	purged to ground

SIGNED 12-9-24 DATE

CHECKED BY 12/16/24 DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: CCR MONPP FAB Sample & Report	MODEL: YSI Pro DSS	SAMPLER: JK
PROJECT NO.:	553931.0001.0000	SERIAL #: PROJECT	DATE: 12-5-24

PH CALIBRATION CHECK

pH 7 (LOT #): 4GD0770 (EXP. DATE): APR 26 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 4GD1317 (EXP. DATE) APR 26 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.02 / 7.02	4.00 / 4.00	☒ WITHIN RANGE	0832
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 4620212 (EXP. DATE): Sep/25 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1417 / 1413	22.2	☒ WITHIN RANGE	0828
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 23K100208 (EXP. DATE): 10-8-28 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
228.7 / 228.7	22.1	☒ WITHIN RANGE	0835
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
8.92 / 8.92	21.8	☒ WITHIN RANGE	0837
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 21080024 (EXP. DATE): 9/22 POST-CAL. READING / STANDARD	(LOT #): C796783B (EXP. DATE): 2/19 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	10.0 / 10.0	☒ WITHIN RANGE	0815
/	/	☐ 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

SIGNED 12-9-24 DATE

CHECKED BY 12/14/24 DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: CCR MONPP FAB Sample & Report	MODEL: YSI Pro DSS	SAMPLER: JK
PROJECT NO.:	553931.0001.0000	SERIAL #: PROJECT	DATE: 12-6-24

PH CALIBRATION CHECK

pH 7 (LOT #): 46D0770 (EXP. DATE): APR 26 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 46D1717 (EXP. DATE): APR 26 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.02 / 7.02	4.00 / 4.00	☒ WITHIN RANGE	0610
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 46I0212 (EXP. DATE): Sep 25 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1413 / 14.7	23.5	☒ WITHIN RANGE	0605
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 231K100208 (EXP. DATE): 10-8-28 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
229.6 / 229.6	22.8	☒ WITHIN RANGE	0615
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
8.87 / 8.87	21.6	☒ WITHIN RANGE	0621
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 210800174 (EXP. DATE): 9/22 POST-CAL. READING / STANDARD	CALIBRATION READING (NTU) (LOT #): C19 673738 (EXP. DATE): 2/19 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	~~10.01~~ 10.10 / 10.0	☒ WITHIN RANGE	0620
/	/	☐ 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

SIGNED _____ DATE 12-9-24

CHECKED BY _____ DATE 12/16/24

TRC WATER SAMPLE LOG

PROJECT NAME: DTE: CCR MONPP FAB Samp	PREPARED		CHECKED	
PROJECT NUMBER: 553931.0001.0000	BY: JK	DATE: 12-5-24	BY: ER	DATE: 12/6/24

SAMPLE ID: MW-16-02 | WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [✓] PVC [ ] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER

SAMPLE TYPE: [✓] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 0856	DATE: 12-5-24	SAMPLE	TIME: 0958	DATE: 12-5-24
PURGE METHOD: [X] ~~PUMP~~ Pump [ ] BAILER	~~Adaptive well header~~ Peristaltic		PH: 7.18 SU	CONDUCTIVITY: 1773 umhos/cm	
DEPTH TO WATER: 0.15 T/ PVC			ORP: 17.0 mV	DO: 0.04 mg/L	
DEPTH TO BOTTOM: NM T/ PVC			TURBIDITY: 12.9 NTU		
WELL VOLUME: NA [ ] LITERS [ ] GALLONS			[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
VOLUME REMOVED: 12 [X] LITERS [ ] GALLONS			TEMPERATURE: 9.5 °C	OTHER:	
COLOR: Clear	ODOR: No		COLOR: Clear	ODOR: No	
TURBIDITY [X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY			FILTRATE (0.45 um) [ ] YES [ ] NO		
			FILTRATE COLOR:	FILTRATE ODOR:	
			QC SAMPLE: [ ] MS/MSD	[X] DUP- 01	
DISPOSAL METHOD: [✓] ~~GROUND~~ [ ] DRUM [ ] OTHER			COMMENTS: pH RL 6.9-7.3		

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)
0858	200	7.07	1753	77.6	1.13	1912	9.0	0.21	INITIAL
0903	200	7.09	1735	57.6	0.72	1207	8.8	021	1
0908	200	7.15	1731	43.0	0.46	754	9.2	0.21	2
0913	200	7.15	1734	36.5	0.11	15	9.2	0.21	3
0918	200	7.15	1731	32.0	0.07	42.6	9.5	0.21	4
0923	200	7.16	1732	27.4	0.03	40.4	9.5	0.21	5
0928	200	7.16	1732	25.9	0.05	28.9	9.6	0.21	6
0933	200	7.16	1733	23.4	0.04	28.3	9.5	0.21	7
0938	200	7.16	1729	22.2	0.03	17.4	9.6	0.21	8
0943	200	7.16	1728	20.6	0.03	12.2	9.7	0.21	9

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** 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	Plastic	B	[ ] Y [X] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N

SHIPPING METHOD: Lab Drop off	DATE SHIPPED: 12-6-24	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: [signature]	DATE SIGNED: 12-9-24

TRC

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	DTE: CCR MONPP FAB Sampl	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: JK	DATE:	BY:	DATE: 12/16/24

SAMPLE ID: MW-16-02

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)
0948	200	7.17	1733	17.8	0.04	14.1	9.5	0.21	10
0953	200	7.17	1732	17.5	0.04	13.9	9.5	0.21	11
0958	200	7.18	1731	17.0	0.04	12.9	9.5	0.21	12

SIGNATURE: [signature]

DATE SIGNED: 12-9-24

TRC WATER SAMPLE LOG

PROJECT NAME: DTE: CCR MONPP FAB Samp	PREPARED		CHECKED	
PROJECT NUMBER: 553931.0001.0000	BY: JK	DATE: 12-5-24	BY: ER	DATE: 12/16/24

SAMPLE ID: MW-16-06 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1024	DATE: 12-5-24

PURGE METHOD: ☒ PUMP peristaltic ☐ BAILER

DEPTH TO WATER: 2.30 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NA ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: none

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1056	DATE: 12-5-24

PH: 7.24 SU CONDUCTIVITY: 1701 umhos/cm

ORP: 7.0 mV DO: 0.17 mg/L

TURBIDITY: 12.6 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 9.2 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: pH pl 7.0 - 7.3

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)
1026	200	7.25	1714	22.8	1.38	35.7	8.9	2.47	INITIAL
1031	200	7.25	1708	14.9	0.84	27.0	8.8	2.47	1
1036	200	7.25	1707	11.7	0.34	16.7	8.9	2.47	2
1041	200	7.24	1700	9.9	0.27	14.2	9.3	2.47	3
1046	200	7.24	1703	8.0	0.20	12.1	9.3	2.47	4
1051	200	7.24	1705	7.7	0.19	11.6	9.2	2.47	5
1056	200	7.24	1701	7.0	0.17	12.6	9.2	2.47	6

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** 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	250mL	Plastic	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Lab Drop off	DATE SHIPPED: 12-6-24	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: [signature]	DATE SIGNED: 12-9-24

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR MONPP FAB Samp	PREPARED		CHECKED	
PROJECT NUMBER: 553931.0001.0000	BY: JK	DATE: 12-5-24	BY: EL	DATE: 12/16/24

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: 1120	DATE: 12-5-24

PURGE METHOD: ☒ PUMP Dedicated Bladder ☐ BAILER

DEPTH TO WATER: 6.50 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 8 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: none

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: ~~1128~~ 1143	DATE: 12-5-24

PH: 7.28 SU CONDUCTIVITY: 1686 umhos/cm

ORP: 41.7 mV DO: 0.11 mg/L

TURBIDITY: 4.97 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.4 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: pH pL 6.9 - 8.6

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)
1123	400	7.22	1684	76.5	1.58	8.33	11.7	6.50	INITIAL
1128	↓	7.26	1684	62.8	0.45	6.36	11.5	6.50	2
1133		7.27	1685	53.8	0.25	5.37	11.4	6.50	4
1138		7.28	1686	45.9	0.15	5.04	11.3	6.50	6
1143	↓	7.28	1686	41.7	0.11	4.97	11.4	6.50	8

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 10 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	250mL	Plastic	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Lab Drop off	DATE SHIPPED: 12-6-24	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: [signature]	DATE SIGNED: 12-9-24

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR MONPP FAB Samp	PREPARED		CHECKED	
PROJECT NUMBER:	553931.0001.0000	BY: JK	DATE: 12-5-24	BY: EL	DATE: 12/16/24

SAMPLE ID: MW-16-04 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1211	DATE: 12-5-24

PURGE METHOD: ☒ ~~PUMP~~ well heuler ☐ BAILER

DEPTH TO WATER: ATOC T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 150 ☒ ~~LITERS~~ GALLONS ☐ GALLONS

COLOR: Clear ODOR: Yes

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1218	DATE: 12-5-24

PH: 7.28 SU | CONDUCTIVITY: 1689 umhos/cm

ORP: -195.3 mV | DO: 0.06 mg/L

TURBIDITY: 4.49 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.2 °C | OTHER:

COLOR: Clear | ODOR: Yes

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — | FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: pH PL 7.0-7.5

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)
1212	250 mL/min	7.28	1694	-152.4	0.49	4.17	11.2	ATOC	INITIAL
1214	↓	7.28	1692	-170.2	0.22	4.37	11.2	↓	~~25~~ 50
1216		7.28	1693	-183.9	0.11	3.51	11.2		100
1218	↓	7.28	1689	-195.3	0.06	4.49	11.2		150

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 10 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	250mL	Plastic	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Lab drop off	DATE SHIPPED:	12-6-24	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:		DATE SIGNED:	12-9-24

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR MONPP FAB Samp	PREPARED		CHECKED	
PROJECT NUMBER: 553931.0001.0000	BY: JK	DATE: 12-6-24	BY: ER	DATE: 12/16/24

SAMPLE ID: MW-16-05 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 0825 (open)	DATE: 12-6-24

PURGE METHOD: ☒ PUMP well heather ☐ BAILER

DEPTH TO WATER: ATOC T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 390 ☒ ~~LITERS~~ milliliters ☐ GALLONS

COLOR: Clear ODOR: ~~None~~ Yes

TURBIDITY
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 0917	DATE: 12-6-24

PH: 7.11 SU | CONDUCTIVITY: 1664 umhos/cm

ORP: -1.8 mV | DO: 0.49 mg/L

TURBIDITY: 4.79 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.2 °C | OTHER: —

COLOR: Clear | ODOR: Yes

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — | FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: plt PL 6.9 - 7.7

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)
0908	7.5 ppm	6.91	1686	62.1	2.10	4.82	11.2	ATOC	~~INITIAL~~ 322.5
0911	↓	7.06	1667	19.2	0.81	4.67	11.2	↓	345
0914		7.10	1665	5.3	0.59	4.92	11.2		367.5
0917	↓	7.11	1664	-1.8	0.49	4.76	11.2		390

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 10 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	250mL	Plastic	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Lab Drop off	DATE SHIPPED: 12-6-24	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE:	DATE SIGNED: 12-9-24

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR MONPP FAB Samp	PREPARED		CHECKED	
PROJECT NUMBER: 553931.0001.0000	BY: JK	DATE: 12-6-24	BY:	DATE: 12/16/24

SAMPLE ID: ~~MW-16-04~~ 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: 0840 (open)	DATE: 12-6-24
PURGE METHOD: ☑ ~~PUMP~~ Well Heather ☐ BAILER		
DEPTH TO WATER: 0 T/ PVC		
DEPTH TO BOTTOM: 44.25 T/ PVC		
WELL VOLUME: 7.22 ☐ LITERS ☒ GALLONS		
VOLUME REMOVED: 78.85 ☒ ~~LITERS~~ gallons ☐ GALLONS		
COLOR: clear	ODOR: none	
TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER		

SAMPLE	TIME: 1012	DATE: 12-6-24
PH: 7.21 SU	CONDUCTIVITY: 1781 umhos/cm	
ORP: -9.7 mV	DO: 0.17 mg/L	
TURBIDITY: 5.23 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 11.5 °C	OTHER: —	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR: —	FILTRATE ODOR: —	
QC SAMPLE: ☐ MS/MSD ☐ DUP-		
COMMENTS: pH PL 6.7 - 7.3		

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)
0945	0.83 gpm	7.16	1786	77.6	1.15	6.53	11.6	ATOC	~~INITIAL 51.6~~ 53.95
0954	↓	7.20	1783	1.5	0.26	5.17	11.5	↓	~~54.76~~ 62.25
1003		7.20	1781	-6.1	0.17	4.95	11.5		70.55
1012		7.21	1781	-9.7	0.13	5.23	11.5		78.85

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** 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	250mL	Plastic	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Lab Drop off	DATE SHIPPED: 12-6-24	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE:	DATE SIGNED: 12-9-24

Chain of Custody Record

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

eurofins | Environment Testing America

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

Eurofins Environment Testing America

Client Contact	Project Manager: Vincent Buening	Site Contact:	Date:	COC No:
TRC Companies	Email: Vbuening@trccompanies.com	Lab Contact: Kris Brooks	Carrier:	1 of 1 COCs
1540 Eisenhower Place	Tel/Fax: 734-904-3302			TALS Project #:
Ann Arbor Michigan, 48108	Analysis Turnaround Time			Sampler:
734-971-7080 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
NA	TAT if different from Below 3 Day			Walk-in Client:
Project Name: DTE CCR Monroe Power Plant FAB/VEL	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Site: Michigan				Job / SDG No.:
P O # 214270				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010B Total Boron	Sample Specific Notes:
MW-16-01	12-5-24	1143	G	GW	1	N	N	X	
MW-16-02	12-5-24	0958	G	GW	1	N	N	X	
MW-16-03	12-6-24	1012	G	GW	1	N	N	X	
MW-16-04	12-5-24	1218	G	GW	1	N	N	X	
MW-16-05	12-6-24	0917	G	GW	1	N	N	X	
MW-16-06	12-5-24	1056	G	GW	1	N	N	X	
DUP-01	12-5-24	—	G	GW	1	N	N	X	
								4	

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: TRC EDD Required

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

Relinquished by:	Company: TRC	Date/Time: 12624 1155	Received by:	Company: EENA	Date/Time: 12/6/24
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Appendix B
Data Quality Reviews

Laboratory Data Quality Review
Groundwater Monitoring Event April 2024
DTE Electric Company Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill (MONPP FAB & VEL)

Groundwater samples were collected by TRC for the April 2024 sampling event. Samples were analyzed for anions, total metals, and total dissolved solids by Eurofins Cleveland, located in Barberton, Ohio. The laboratory analytical results are reported in laboratory report 240-202178-1.

During the April 2024 sampling event, a groundwater sample was collected from each of the following wells:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-16-04
- MW-16-05
- MW-16-06
- MW-16-07
- DUP-01

Each sample was analyzed for the following constituents:

Analyte Group	Method
Anions (Chloride, Fluoride, Sulfate)	SW846 9056A
Total Recoverable Boron	SW846 3005A/6010D
Total Recoverable Calcium and Iron	SW846 3005A/6020B
Total Dissolved Solids (TDS)	SM 2540C

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). The following items were included in the evaluation of the data:

- 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;
- 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.

- Appendix III constituents as well as iron will be utilized for the purposes of a detection monitoring program.
- Data are usable for the purposes of the detection monitoring program.

QA/QC Sample Summary

- Target analytes were not detected in the method blanks.
- A field blank and equipment blank were not submitted with this sample set.
- LCS recoveries for all target analytes were within laboratory control limits.
- Laboratory duplicate analyses were not performed on a sample from this data set.
- MS/MSD analyses were performed on sample MW-16-01 for total boron, calcium, and iron. The percent recoveries (%Rs) and relative percent differences (RPDs) were within the QC limits with one exception. The %R for calcium in the MSD performed on sample MW-16-01 was below the QC Limits. However, the result for calcium in the parent sample was >4x the spike value; therefore, there is no impact on the data usability due to this issue.
- Samples DUP-01/MW-16-05 were submitted as a field duplicate pair with this data set; all criteria were met.
- Boron was reported with an RL (100 µg/L) lower than required in the QAPP (200 µg/L). Boron was detected in sample MW-16-04 (160 µg/L) below the QAPP-specified RL.

Laboratory Data Quality Review
Groundwater Monitoring Event October 2024
DTE Electric Company Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill (MONPP FAB & VEL)

Groundwater samples were collected by TRC for the October 2024 sampling event. Samples were analyzed for anions, total metals, and total dissolved solids by Eurofins Cleveland, located in Barberton, Ohio. The laboratory analytical results are reported in laboratory report 240-213668-1.

During the October 2024 sampling event, a groundwater sample was collected from each of the following wells:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-16-04
- MW-16-05
- MW-16-06
- MW-16-07

Each sample was analyzed for the following constituents:

Analyte Group	Method
Anions (Chloride, Fluoride, Sulfate)	SW846 9056A
Total Recoverable Boron	SW846 3005A/6010D
Total Recoverable Calcium and Iron	SW846 3005A/6020B
Total Dissolved Solids (TDS)	SM 2540C

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). The following items were included in the evaluation of the data:

- 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;
- 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 constituents as well as iron will be utilized for the purposes of a detection monitoring program.
- Data are usable for the purposes of the detection monitoring program.

QA/QC Sample Summary

- Target analytes were not detected in the method blanks.
- A field blank and equipment blank were not submitted with this sample set.
- LCS recoveries for all target analytes were within laboratory control limits.
- MS/MSD and laboratory duplicate analyses were not performed on a sample from this data set.
- Samples DUP-01/MW-16-07 were submitted as a field duplicate pair with this data set; all criteria were met with the following exceptions:
    - The relative percent differences (RPDs) for iron (38.5%) and chloride (32.8%) in samples DUP-01 and MW-107 were above 30%. Therefore, the positive results for iron and chloride in all groundwater samples in this data set should be considered estimated, as summarized in the attached table, Attachment A. There is no impact on the data usability for non-detect results for iron.

Attachment A
Summary of Data Non-Conformances for Groundwater Analytical Data
CCR DTE Electric Company Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill
Monroe, Michigan

Samples	Collection Date	Analyte	Non-Conformance/Issue
MW-16-02	10/21/2024	Iron	Field duplicate variability (relative percent difference greater than acceptance criteria); potential uncertainty exists for the listed results.
MW-16-03	10/21/2024		
MW-16-05	10/21/2024		
MW-16-06	10/22/2024		
MW-16-07	10/21/2024		
DUP-01	10/21/2024		
MW-16-01	10/22/2024	Chloride	
MW-16-02	10/21/2024		
MW-16-03	10/21/2024		
MW-16-04	10/21/2024		
MW-16-05	10/21/2024		
MW-16-06	10/22/2024		
MW-16-07	10/21/2024		
DUP-01	10/21/2024		

Laboratory Data Quality Review
Groundwater Verification Monitoring Event December 2024
DTE Electric Company Monroe Power Plant Fly Ash Basin and Vertical Extension Landfill (MONPP FAB & VEL)

Groundwater samples were collected by TRC for the December 2024 sampling event. Samples were analyzed for total boron by Eurofins Cleveland, located in Barberton, Ohio. The laboratory analytical results are reported in laboratory report 240-216226-1 (Revision 2).

During the December 2024 verification event, a groundwater sample was collected from each of the following wells:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-16-04
- MW-16-05
- MW-16-06

Each sample was analyzed for the following constituent:

Analyte Group	Method
Anions (Chloride, Fluoride, Sulfate)	SW846 9056A
Total Recoverable Boron	SW846 3005A/6010D
Total Recoverable Calcium and Iron	SW846 3005A/6020B
Total Dissolved Solids (TDS)	SM 2540C

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). The following items were included in the evaluation of the data:

- 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;
- 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 constituent will be utilized for the purposes of a detection monitoring program.
- Data are usable for the purposes of the detection monitoring program.

QA/QC Sample Summary

- Boron was not detected in the method blank.
- A field blank and equipment blank were not submitted with this sample set.
- The LCS recovery for boron was within laboratory control limits.
- MS/MSD and laboratory duplicate analyses were not performed on a sample from this data set.
- Samples DUP-01/MW-16-02 were submitted as the field duplicate pair with this data set; all criteria were met.