

2024 Annual Groundwater Monitoring Report

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

January 2025

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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, methodspecified 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:	Expiration Date:	
David B. McKenzie, P.E.	December 17, 2025	DAVID B MCKENZIE
Company:	Date:	ENGINEER No. 6201042332
TRC Engineers Michigan, Inc.	January 31, 2025	POFESSIONAL
	(Jamesong 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-	16-03	MW-	16-04	MW-	16-05	MW-	16-06	MW-	16-07	
Date Installed	2/17/	/2016			2/16/	2/16/2016 579.95		2016	4/13/	/2016	4/13/	2016	4/14/	/2016	
TOC Elevation	581	1.74	581	581.81				5.54	580).42	581	.94	578.40		
Geologic Unit of Screened Interval	Silt/Limestone Interface		Silt/Limesto	ne Interface	Sand & Silty Clay Limestone Interface		Silty Sand and Gravel		Limestone		Gravel and Cobbles		Silt/Limestone Interface		
Screened Interval Elevation	530.9 t	o 525.9	526.4 t	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)
	4/2/2024	1.20	-46.5	7.2	2,069	9.5	3.95
MW-16-01	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
	4/2/2024	0.58	-123.0	7.2	2,123	10.6	3.50
MW-16-02	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
	4/2/2024	1.75	-1.7	7.0	1,703	11.6	1.91
MW-16-03	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
	4/2/2024	1.77	-6.2	7.0	1,606	11.3	0.81
MW-16-04	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
	4/2/2024	1.74	-3.5	7.0	1,605	11.8	2.23
MW-16-05	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
	4/2/2024	0.87	-91.0	7.2	2,087	10.4	8.90
MW-16-06	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
	4/2/2024	1.70	-14.6	7.0	1,587	11.4	3.88
MW-16-07	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

Sa	Sample Location:		MW-16-01		MW-16-02		MW-16-03		MW-16-04		16-05	MW-′	16-06	MW-′	16-07	
	Sample Date:	4/2/2024	PL	4/2/2024	DI	4/2/2024	PL	4/2/2024	DI	4/2/2024	DI	4/2/2024	Ы	4/2/2024	PL	
Constituent	Unit	Data	FL	Data			Data		Data		Data		Data		ata	
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 Solid	s 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

Sa	ample Location:		MW-16-01			MW-16-02			MW-16-03			MW-16-04			MW-16-05			MW-16-06		MW-1	6-07
	Sample Date:	10/22/2024	12/5/2024 ⁽¹⁾	DI	10/21/2024	12/5/2024 ⁽¹⁾	PI	10/21/2024	12/6/2024 ⁽¹⁾	PI	10/21/2024	12/5/2024 ⁽¹⁾	PI	10/21/2024	12/6/2024 ⁽¹⁾	PI	10/22/2024	12/5/2024 ⁽¹⁾	PI	10/21/2024	PL
Constituent	Unit	Data	Data	16	Data	Data		Data	Data		Data	Data		Data	Data	1 6	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 Solid	ls 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.

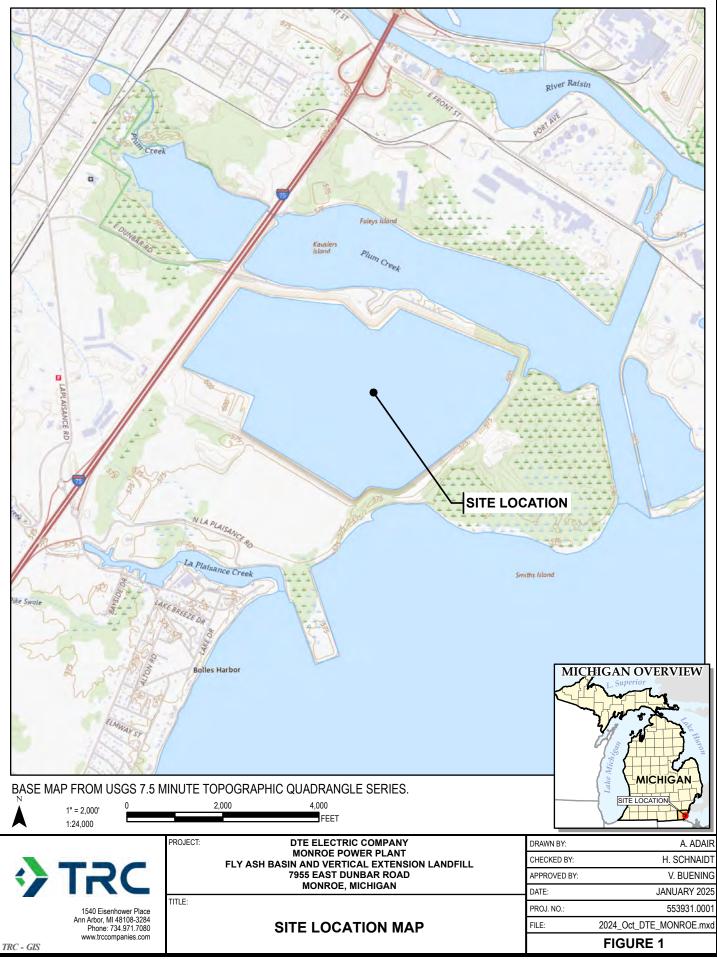
SU - standard units; pH is a field parameter. All metals were analyzed as total unless otherwise specified.

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



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





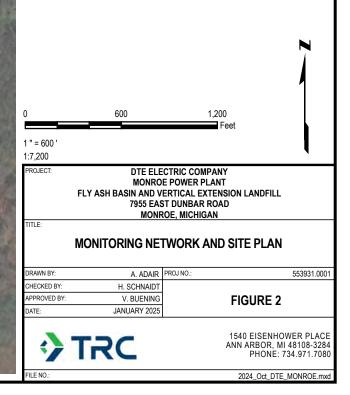


MONITORING WELL

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.





Coordinate System: NAD 1983 UTM Zone 17N (Mei Map Rotation:

Plot Date: 12/19/2024, 13:51:20 PM by AADAIR -- LAYOUT: ANSI B(11":17") Dath: 17:1-DR01ECTS/DTE Ferenci/MonorealM DD1:55:3031, 0011/3-4-DRX3/374, 0-51 DTE MONR

LEGEND

•

MONITORING WELL

APPROXIMATE BOUNDARY OF FLY ASH BASIN

APPROXIMATE BOUNDARY OF VERTICAL EXTENSION LANDFILL

POTENTIOMETRIC SURFACE CONTOUR INFERRED POTENTIOMETRIC SURFACE CONTOUR

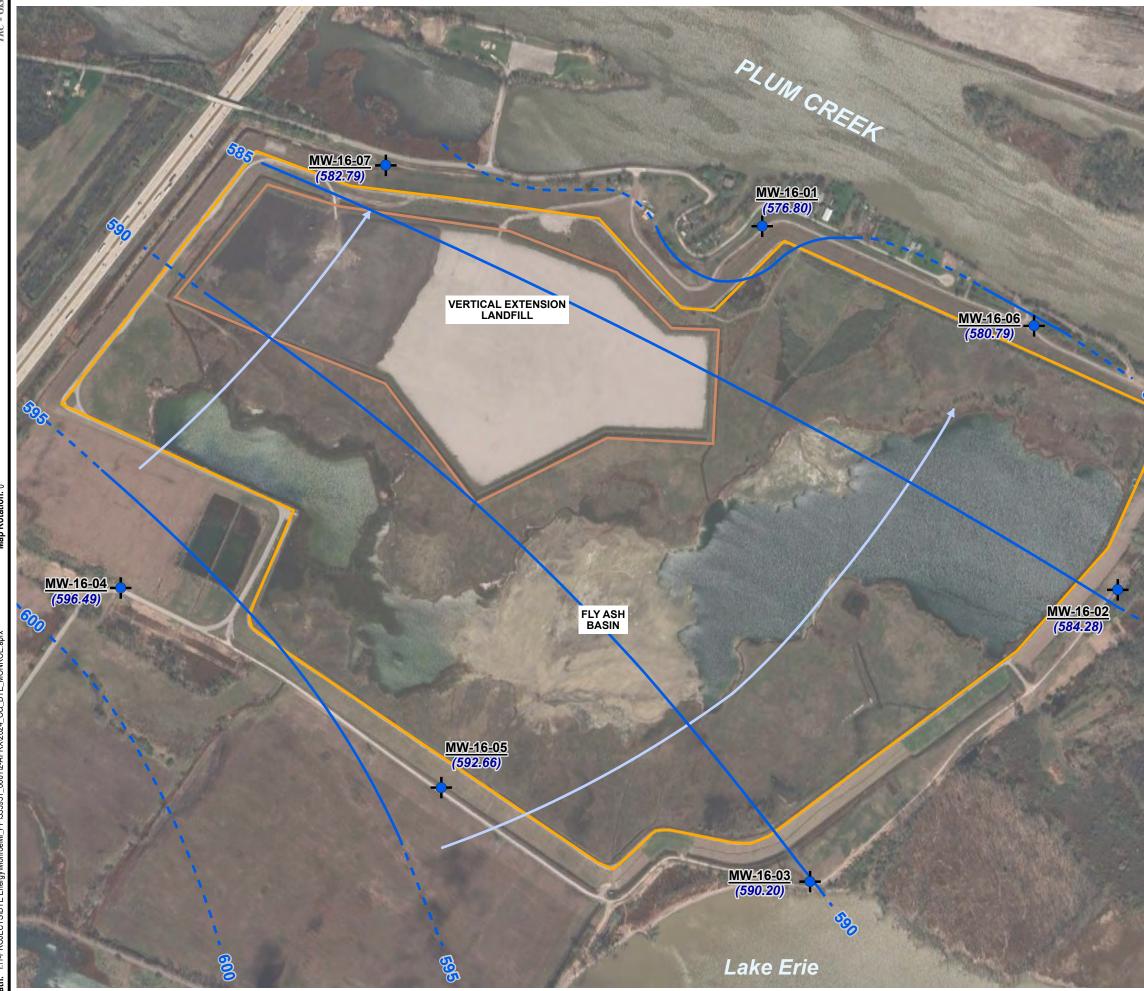
INFERRED GROUNDWATER FLOW DIRECTION

(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.
- GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988.

) " = 600 ' :7,200	600	1,20	0 ≂eet	
	PROJECT:	DTE ELE	CTRIC COMPAN	Y	
			E POWER PLAN	-	
		FLY ASH BASIN AND V			
			ST DUNBAR ROA	D	
	TITLE:	MONE	ROE, MICHIGAN		
		POTENTIOM		ΔΩΕ ΜΔΡ	
		A	PRIL 2024		
Ī	DRAWN BY:	A. ADAIR	PROJ NO.:		553931.0001
0	CHECKED BY:	H. SCHNAIDT			
1	APPROVED BY:	V. BUENING		FIGURE 3	
	DATE:	JANUARY 2025			
	FILE NO.:	TRC			48108-3284 34.971.7080
- 1	FILE NU.:			2024_Oct_DTE_	MONKOE.mxd



Coordinate System: NAD 1983 UTM Zone 17N (Meter) Map Rotation: 0°

Plot Date: 12/23/2024, 08:40:05 AM by AADAIR – LAYOUT: ANSI B(11'x17') Path: T:14-PROJECT'SIDTE Energy/MonneeMI PP\653333 0001/2-APBX/2024 Oct DTE MONROI

LEGEND



APPROXIMATE BOUNDARY OF VERTICAL EXTENSION LANDFILL

MONITORING WELL

APPROXIMATE BOUNDARY OF FLY ASH BASIN

INFERRED POTENTIOMETRIC SURFACE

POTENTIOMETRIC SURFACE CONTOUR

INFERRED GROUNDWATER FLOW DIRECTION

(580.79) STATIC WATER ELEVATION IN FEET (NAVD, 1988)

NOTES

S

- 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.
- GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988.

0 1 " = 600 ' 1:7,200	600	1,20	0 eet	
PROJECT:	MONRO Y ASH BASIN AND V 7955 EAS	ECTRIC COMPAN E POWER PLAN ERTICAL EXTEN ST DUNBAR ROA ROE, MICHIGAN	T Sion Landfill	
TITLE:	POTENTIOME	TRIC SURFA OBER 2024	CE MAP	
DRAWN BY:	A. ADAIR	PROJ NO.:		553931.0001
CHECKED BY:	H. SCHNAIDT			
APPROVED BY:	V. BUENING		FIGURE 4	
DATE:	JANUARY 2025			
	RC			48108-3284 34.971.7080
FILE NO.:			2024 Oct DTE	MONDOE myd



Appendix A Laboratory Analytical Data and Field Data



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





Eurofins Cleveland

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

Sroohs

Generated 4/16/2024 8:37:42 PM 1

5

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

Table of Contents

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Sample Summary	7
Detection Summary	8
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QC Association Summary	21
Lab Chronicle	23
Certification Summary	26
Chain of Custody	27

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

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Qualifiers

MPN

MQL

NC

ND

NEG POS

PQL

PRES QC

RER RL

RPD

TEF

TEQ

TNTC

Qualifiers		- 3
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.	5
U	Indicates the analyte was analyzed for but not detected.	
General Chen	nistry	
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.	ð
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	9
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)	13
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)	

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.

4/16/2024

Method Summary

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

lethod	Method Description	Protocol	Laboratory
010D	Metals (ICP)	SW846	EET CLE
020B	Metals (ICP/MS)	SW846	EET CLE
56A	Anions, Ion Chromatography	SW846	EET CLE
A 2540C	Solids, Total Dissolved (TDS)	SM	EET CLE
05A	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. 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

RL

100

1000

1.0

Result Qualifier

240

10

410000

Client Sample ID: MW-16-01

Analyte

Calcium

Chloride

Boron

Prep Type

Total Recoverable

Total Recoverable

Total/NA

Dil Fac D Method

1

1

1

6010D

6020B

9056A

Lab Sample ID: 240-202178-1 5 7

	10	1.0	mg/L		0000/1	10101/101
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
lient Sample ID: MW-16-	-02			Lab	Sample ID:	240-202178-
Analyte	Result Qualifier	RL	Unit	Dil Fac D	Method	Ргер Туре
Boron	380	100	ug/L	1	6010D	Total
						Recoverable
Calcium	410000	1000	ug/L	1	6020B	Total
						Recoverable
ron	230	100	ug/L	1	6020B	Total
						Recoverable
Chloride	13	1.0	mg/L	1	9056A	Total/NA
The second se	1.5	0.050	mg/L	1	9056A	Total/NA
Fluoride						
Fluoride Sulfate	1500	10	mg/L	10	9056A	Total/NA

Unit

ug/L

ug/L

mg/L

Client Sample ID: MW-16-03

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

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D Method	Prep Type
Boron	160		100	ug/L	1		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

Analyte	Result	Qualifier RI	. 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.

Eurofins Cleveland

Lab Sample ID: 240-202178-4

Lab Sample ID: 240-202178-5

RL

100

1.0

10

20

RL

100

1000

100

10

10

20

0.050

0.050

Unit

ug/L

mg/L

mg/L

mg/L

mg/L

Unit

ug/L

ug/L

ug/L

mg/L

mg/L

mg/L

mg/L

Result Qualifier

970

11

1.4

1400

2200

Result

410000

340

650

11

1.5

1400

2100

Qualifier

Analyte

Chloride

Fluoride

Total Dissolved Solids

Client Sample ID: MW-16-06

Client Sample ID: MW-16-07

Sulfate

Analyte

Calcium

Chloride

Fluoride

Sulfate

Total Dissolved Solids

Iron

Boron

Iron

Client Sample ID: MW-16-05 (Continued)

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total

Total Recoverable

Total Recoverable

Total/NA

Total/NA

Total/NA

Total/NA

Total Recoverable

Lab Sample ID: 240-202178-5

Dil Fac D Method

1

1

1

10

1

Dil Fac D

1

1

1

1

1

10

1

6020B

9056A

9056A

9056A

Method

6010D

6020B

6020B

9056A

9056A

9056A

SM 2540C

SM 2540C

7

Lab Sample ID: 240-202178-6 Recoverable

Lab Sample ID: 240-202178-7

Lab Sample ID: 240-202178-8

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

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

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

Date Received: 04/04/24 08:00

Method: SW846 6010D - Metals (IC	P) - Total Re	coverable						
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 (IC	P/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

Matrix: Water

Lab Sample ID: 240-202178-1

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

Client Sample ID: MW-16-02 Date Collected: 04/02/24 12:39

Date Received: 04/04/24 08:00

Method: SW846 6010D - Metals (I	CP) - Total Re	coverable						
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 (I	CP/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

Job ID: 240-202178-1

Matrix: Water

Lab Sample ID: 240-202178-2

Eurofins Cleveland

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

Matrix: Water

5 6

Lab Sample ID: 240-202178-3

Client Sample ID: MW-16-03 Date Collected: 04/02/24 12:44

Date Received: 04/04/24 08:00

Method: SW846 6010D - Metals (IC	P) - Total Re	coverable						
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
	P/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. Project/Site: CCR DTE Monroe Power Plant

Client Sample ID: MW-16-04 Date Collected: 04/02/24 11:35

Date Received: 04/04/24 08:00

Method: SW846 6010D - Metals (I	CP) - Total Re	coverable						
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 (I	CP/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

Matrix: Water

Lab Sample ID: 240-202178-4

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

Matrix: Water

5 6

Lab Sample ID: 240-202178-5

Client Sample ID: MW-16-05 Date Collected: 04/02/24 12:15

Date Received: 04/04/24 08:00

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 (IC	P/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. Project/Site: CCR DTE Monroe Power Plant

Client Sample ID: MW-16-06 Date Collected: 04/02/24 11:17

Date Received: 04/04/24 08:00

Method: SW846 6010D - Metals (I	CP) - Total Re	coverable						
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 (I	CP/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

5

8 9

Job ID: 240-202178-1

Matrix: Water

Lab Sample ID: 240-202178-6

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

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

Date Received: 04/04/24 08:00

Method: SW846 6010D - Metals (I	CP) - Total Re	coverable						
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 (I	CP/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

Job ID: 240-202178-1

Matrix: Water

Lab Sample ID: 240-202178-7

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

Client Sample ID: DUP-01 Date Collected: 04/02/24 00:00

Date Received: 04/04/24 08:00

Method: SW846 6010D - Metals (IG	CP) - Total Re	coverable						
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
	CP/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

Job ID: 240-202178-1

Matrix: Water

Lab Sample ID: 240-202178-8

RL

100

Spike

Added

1000

Spike

Added

1000

Unit

ug/L

Unit

ug/L

Unit

ug/L

LCS LCS

MS MS

1370

Result Qualifier

1030

Result Qualifier

D

Prepared

04/05/24 14:00

%Rec

103

D

D

MB MB

100 U

Sample Sample

240

Result Qualifier

Result Qualifier

Method: 6010D - Metals (ICP)

Matrix: Water

Matrix: Water

Matrix: Water

Analyte

Analyte

Boron

Analyte

Boron

Boron

Analysis Batch: 608752

Analysis Batch: 608752

Analysis Batch: 608752

Lab Sample ID: MB 240-608625/1-A

Lab Sample ID: LCS 240-608625/2-A

Lab Sample ID: 240-202178-1 MS

Lab Sample ID: 240-202178-1 MSD

Prep Batch: 608625

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Analyzed

04/08/24 08:12

Prep Type: Total Recoverable

Client Sample ID: Lab Control Sample

%Rec

Limits

80 - 120

Dil Fac

1

	%Rec	
%Rec	Limits	
112	75 - 125	

Client	Sample	ID:	MW-16-01

Matrix: Water								Prep Type: Total Recoverable				
Analysis Batch: 608752										Prep	Batch: 6	08625
	Sample	Sample	Spike	MSD	MSD					%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	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											Sample ID: Metho p Type: Total Rec Prep Batch	overable
	-	MB ME										
Analyte	Res	sult Qu	alifier		RL		Unit		<u> </u>	Prepared	Analyzed	Dil Fac
Calcium	10	000 U			1000		ug/L		04	4/05/24 14:0	00 04/08/24 16:45	1
Iron	1	100 U			100		ug/L		04	4/05/24 14:0	00 04/08/24 16:45	1
_ Lab Sample ID: LCS 240-608625/3-A									Clie	nt Samp	le ID: Lab Control	Sample
Matrix: Water										Pre	p Type: Total Rec	overable
Analysis Batch: 608867											Prep Batch	
				Spike		LCS	LCS				%Rec	
Analyte				Added		Result	Qualifier	Unit	I	D %Rec	Limits	
Calcium				25000		25200		ug/L		101	80 - 120	
Iron				5000		4940		ug/L		99	80 - 120	
										CI	ient Sample ID: M	IW-16-01
Matrix: Water										Pre	p Type: Total Rec	overable
Analysis Batch: 608867											Prep Batch	
	Sample S	Sample		Spike		MS	MS				%Rec	
Analyte	Result C	Qualifier		Added		Result	Qualifier	Unit	I	D %Rec	Limits	
Calcium	410000			25000		426000	4	ug/L		82	80 - 120	
Iron	100 L	J		5000		5010		ug/L		98	80 - 120	

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

Lab Sample ID: 240-202178-1 MSD	•											ent Sample I		
Matrix: Water											Prep	Type: Total		
Analysis Batch: 608867												Prep B	atch: 6	0862
	Sample	Sam	ple	Spike		MSD	MSD					%Rec		RPI
Analyte	Result	Qua	lifier	Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Calcium	410000			25000		425000	4	ug/L			76	80 - 120	0	2
Iron	100	U		5000		5060		ug/L			99	80 - 120	1	20
lethod: 9056A - Anions, Ion C	Chromat	tog	raphy											
Lab Sample ID: MB 240-609344/3											Client S	ample ID: N	lethod	Blan
Matrix: Water												Prep Ty	/pe: To	tal/N/
Analysis Batch: 609344														
		ΜВ	MB											
Analyte	Re	sult	Qualifier		RL		Unit		D	Pi	repared	Analyze	d	Dil Fa
Chloride		1.0	U		1.0		mg/L					04/11/24 2	2:55	
Fluoride	0	.050	U		0.050		mg/L					04/11/24 2	2:55	
Sulfate		1.0	U		1.0		mg/L					04/11/24 2	2:55	
Lab Sample ID: LCS 240-609344/4									CI	ient	Sample	ID: Lab Co	ntrol S	ampl
Matrix: Water												Prep Ty		
Analysis Batch: 609344													•	
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Qualifier	Unit		D	%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		
lethod: SM 2540C - Solids, To	otal Dis	sol	ved (TD	S)										
Lab Sample ID: MB 240-608760/1											Client S	ample ID: N	lethod	Blan
Matrix: Water												Prep Ty	/pe: To	tal/N
Analysis Batch: 608760														
-		ΜВ	МВ											
Analyte	Re	sult	Qualifier		RL		Unit		D	Pi	repared	Analyze	d	Dii Fa
•	Re	esult 10			RL 10		Unit mg/L		<u>D</u>	Pı	repared	Analyze		
Total Dissolved Solids												04/08/24 0	9:39	
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2												04/08/24 0	9:39 ntrol S	ampl
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water												04/08/24 0	9:39 ntrol S	ampl
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water				 Spike		LCS						04/08/24 0	9:39 ntrol S	ample
Analysis Batch: 608760				Spike			mg/L	Unit		ient	Sample	04/08/24 0 D: Lab Co Prep Ty %Rec	9:39 ntrol S	ample
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water Analysis Batch: 608760 Analyte				Spike Added 495			LCS	Unit mg/L				04/08/24 0 D: Lab Co Prep Ty	9:39 ntrol S	ample
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water Analysis Batch: 608760 Analyte Total Dissolved Solids				Added		Result	LCS			ient	Sample %Rec 97	04/08/24 0 e ID: Lab Co Prep Ty %Rec Limits 80 - 120	9:39 ntrol S /pe: To	ampl tal/N
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water Analysis Batch: 608760 Analyte Total Dissolved Solids Lab Sample ID: MB 240-608813/1				Added		Result	LCS			ient	Sample %Rec 97	04/08/24 0 ID: Lab Co Prep Ty %Rec Limits 80 - 120 Gample ID: N	9:39 ntrol S /pe: To /	ampl tal/N
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water Analysis Batch: 608760 Analyte Total Dissolved Solids Lab Sample ID: MB 240-608813/1 Matrix: Water				Added		Result	LCS			ient	Sample %Rec 97	04/08/24 0 e ID: Lab Co Prep Ty %Rec Limits 80 - 120	9:39 ntrol S /pe: To /	ampl tal/N
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water Analysis Batch: 608760 Analyte Total Dissolved Solids Lab Sample ID: MB 240-608813/1 Matrix: Water		10	U	Added		Result	LCS			ient	Sample %Rec 97	04/08/24 0 ID: Lab Co Prep Ty %Rec Limits 80 - 120 Gample ID: N	9:39 ntrol S /pe: To /	ample tal/N/
Total Dissolved Solids Lab Sample ID: LCS 240-608760/2 Matrix: Water		10 		Added		Result	LCS			<u>D</u>	Sample %Rec 97	04/08/24 0 ID: Lab Co Prep Ty %Rec Limits 80 - 120 Gample ID: N	9:39 ntrol S ype: To lethod ype: To	Blanl

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

Lab Sample ID: LCS 240-608813/2 Matrix: Water					Client	Sample	D: Lab Control Sam Prep Type: Total/	
Analysis Batch: 608813								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	495	480		mg/L		97	80 - 120	

Metals

Prep Batch: 608625

Lab Sample ID	Client Sample ID	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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

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General Chemistry

Analysis Batch: 608760

Lab Sample ID	Client Sample ID	Ргер Туре	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		4
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	Ргер Туре	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	

Dilution

Factor

1

1

1

10

1

Run

Batch

Number Analyst

608625 BN

608752 KLC

608625 BN

608867 RKT

609344 JWW

609344 JWW

608813 UWU2

Lab

EET CLE

Batch

Туре

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Batch

Method

3005A

6010D

3005A

6020B

9056A

9056A

SM 2540C

Prep Type

Total/NA

Total/NA

Total/NA

Total Recoverable

Total Recoverable

Total Recoverable

Total Recoverable

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

Lab Sample ID: 240-202178-2

Prepared

or Analyzed

04/05/24 14:00

04/08/24 08:21

04/05/24 14:00 04/08/24 16:50

04/12/24 00:44

04/12/24 01:06

04/08/24 11:54

Client Sample ID: MW-16-02 Date Collected: 04/02/24 12:39

Date Received: 04/04/24 08:00

-	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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

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

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

Date Collected: 04/02/24 11:35 Date Received: 04/04/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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 Sample ID: 240-202178-3

Matrix: Water

Matrix: Water

Lab Sample ID: 240-202178-4

Matrix: Water

Lab Sample ID: 240-202178-4

Lab Sample ID: 240-202178-5

Matrix: Water

Matrix: Water

Client Sample ID: MW-16-04

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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 Date Collected: 04/02/24 12:15 Date Received: 04/04/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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

Date Collected: 04/02/24 11:17 Date Received: 04/04/24 08:00

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

Client Sample ID: MW-16-07

Date Collected: 04/02/24 14:22 Date Received: 04/04/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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 Sample ID: 240-202178-6

Lab Sample ID: 240-202178-7

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 240-202178-8

Client Sample ID: DUP-01 Date Collected: 04/02/24 00:00 Date Received: 04/04/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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. Project/Site: CCR DTE Monroe Power Plant

12

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
linois	NELAP	200004	07-31-24
wa	State	421	06-01-25
entucky (WW)	State	KY98016	12-30-24
linnesota	NELAP	039-999-348	12-31-24
lew Jersey	NELAP	OH001	06-30-24
lew York	NELAP	10975	04-02-25
hio VAP	State	ORELAP 4062	02-27-25
regon	NELAP	4062	02-27-25
ennsylvania	NELAP	68-00340	08-31-24
exas	NELAP	T104704517-22-19	08-31-24
ISDA	US Federal Programs	P330-18-00281	01-05-27
rginia	NELAP	460175	09-14-24
/est Virginia DEP	State	210	12-31-24

Eurofins Cleveland 180 S. Van Buren Avenue



Chain of Custody Record

🔅 eurofins	
	Environment Testing

Barberton, OH 44203 Phone (330) 497-9396 Phone (330) 497-0772

Client Information	Sampler:	hale .	15.50550	Lab P	M: ks, Kris	s M				Ca	rrier Tra	acking No	(S):		COC No: 240-119148-416	39.1
Client Contact: Chris Scieszka	Phone:	acy i	20.00.22	E-Mai		@et e	eurofi	nsus.co	m	Sta	ate of O	rigin:	MI		Page: Page 1 of 1	
Company:			PWSID:	1413.		Gere							GVL		Job #:	
TRC Environmental Corporation. Address: 1540 Eisenhower Place	Due Date Reques	ited:	tanderd	-	1.77				nalysis R	eque	estec				Preservation Coc	M - Hexane
City: Ann Arbor	TAT Requested (days):													B - NaOH C - Zn Acetate	N - None O - AsNaO2
State, Zip: MI, 48108-7080	Stand Compliance Proje	oct a Yes	A NO				e								D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4S Q - Na2SO3 R - Na2S2O3
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO#: 214270				- 18		Sulfa								G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate
Email:	WO #:				or No		and								I - Ice	U - Acetone V - MCAA
CScieszka@trccompanies.com Project Name:	Project #:				Yes or or No)		orlde							ners	K - EDTA	W - pH 4-5 Y - Trizma
CCR DTE Monroe Plant FAB/VEL	24016830				Ves ()		e, Flu	6 Fe			240			containers	L-EDA	Z - other (specify)
Site:	SSOW#:				Samp	SO	lorid	S			-202			of cc		
		Sample	Type (latrix Newstor, I=solid, wasto/oll,	Field Filtered Perform MSIM	2540C_Calcd -	9056A_28D - Chloride, Fluoride and Sulfate	6010D Bo, 6020A			178 Chain			Total Number		
Sample Identification	Sample Date	Time	× 11-	anus, An-Air)	Pd Pd		-			-				12	Special In	structions/Note:
MW-16-01	4/2/74	0957	Preservation	Vater		N	NC	>		-	of Custody			-		
MW-16-02	412174	1739		Vater	NNN		-			- 1	dy			<u>د</u> ک		
MW-16-03	+ +-	124		Vater	NN									3		
MW-16-04	+ + +	1135		Vater	NN						Ξ			3		
MW-16-05		1215		Vater	NN		1			- /				3		
MW-16-06		1117	Gv	Vater	NN						1			3		
MW-16-07		1422	Gv	Vater	NN									3		
DUP-01	V	-	GV	Vater	NN						3			3		
			V	Vater												
			v	Vater												
Possible Hazard Identification									fee may be	e asso	essea	if sam	oles are	retain	ned longer than 1	
Non-Hazard Flammable Skin Irritant Po. Deliverable Requested: I, II, III, IV, Other (specify)			Radiological					To Clier	nt C Requiren			By Lab		- Arch	nive For	Months
Empty Kit Relinquished by:	EDD	Date:		_	Time:							od of Shi	oment:			
Relinquished by:	Date/Time:		Com	Dany	nine.	Receiv	ved by:	1.	HI. M	T	1		te/Time	at		Company
Relinquished by	Date/Time: 4/2/2/	164					ed by:	U	W/1		-		91	3/2		Company
appa	4/3/2	og ru		EEN	A	1	5	n	Ky Dr	5	<u> </u>			-24	800	Company
Relinquished by:	Date/Timé:		Com	pany		Receiv	ved by:	:	0	Ve	-	Da	ite/Time:			Company
Custody Seals Intact: Custody Seal No.:						Coole	r Temp	erature(s) °C and Other	r Rema	arks:					

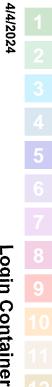
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WI-NC-099 Cooler Receipt Form Page 2
Multiple Coolers

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Observed Corrected		Corrected Temp °C		IR Gun # (Circle)	cription e)	ooler Des	λ_{n}

Login # ·



Login Container Summary Report

13

Temperature readings _

۵ ۱	Plastic 500ml - with Nitric Acid	240-202178-C-8	DUP-01
	Plastic 500ml unpreserved	240-202178-B-8	DUP-01
	Plastic 60 mL - unpreserved	240-202178-A-8	DUP-01
۵	Plastic 500ml - with Nıtrıc Acid	240-202178-C-7	MW-16-07
	Plastic 500ml - unpreserved	240-202178-B-7	MW-16-07
	Plastic 60 mL - unpreserved	240-202178-A-7	MW 16-07
۵	Plastic 500ml - with Nitric Acid	240-202178-C-6	MW-16-06
	Plastic 500ml - unpreserved	240-202178-B-6	MW-16-06
	Plastic 60 mL - unpreserved	240-202178-A-6	MW-16-06
۵	Plastic 500ml - with Nitric Acid	240-202178-C-5	MW-16-05
	Plastic 500ml - unpreserved	240 202178-B-5	MW-16-05
	Plastic 60 mL - unpreserved	240-202178-A-5	MW-16-05
\$	Plastic 500ml - with Nitric Acid	240-202178-C-4	MW-16-04
	Plastic 500ml - unpreserved	240-202178-B-4	MW-16-04
	Plastic 60 mL - unpreserved	240-202178-A-4	MW-16-04
\Diamond	Plastic 500ml - with Nitric Acid	240-202178-C-3	MW-16-03
-	Plastic 500ml - unpreserved	240-202178-B-3	MW 16-03
	Plastic 60 mL - unpreserved	240-202178-A-3	MW-16-03
۵	Plastic 500ml - with Nitric Acid	240-202178-C-2	MW-16-02
*****	Plastic 500ml - unpreserved	240-202178-B-2	MW-16-02
	Plastic 60 mL - unpreserved	240-202178-A 2	MW-16-02
₽	Plastic 500ml - with Nitric Acid	240-202178-C-1	MW-16-01
	Plastic 500ml - unpreserved	240-202178-B-1	MW-16-01
	Plastic 60 mL - unpreserved	240-202178-A-1	MW-16-01
<u>Container</u> pH Tem	Container Type	Lab ID	Chent Sample ID

Page
—
of l

4/16/2024

 Preservation
 Preservation

 Added
 Lot Number



Environment Testing

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







Eurofins Cleveland

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

Sroohs

Generated 11/6/2024 7:58:21 PM

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

Table of Contents

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Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	10
QC Sample Results	18
QC Association Summary	21
Lab Chronicle	23
Certification Summary	26
Chain of Custody	27

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

Qualifiers

Qualifiers		- 3
Metals		
Qualifier	Qualifier Description	_ 4
U	Indicates the analyte was analyzed for but not detected.	
General Chem	nistry	5
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	6
Glossary		7
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
₿ Ø	Listed under the "D" column to designate that the result is reported on a dry weight basis	8
%R	Percent Recovery	
CFL	Contains Free Liquid	Q
CFU	Colony Forming Unit	3
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)	13
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. Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Job ID: 240-213668-1

1
5
8
9
13

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 Ret	farances		
SM = "St			
	tandard Methods For The Examination Of Water And Wastewater"	November 1986 And Its Undates	
		November 1986 And Its Updates.	
SW846 =	tandard Methods For The Examination Of Water And Wastewater" = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition,	November 1986 And Its Updates.	
SW846 = Laboratory I	tandard Methods For The Examination Of Water And Wastewater" = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, References:		
SW846 = Laboratory I	tandard Methods For The Examination Of Water And Wastewater" = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition,		
SW846 = Laboratory I	tandard Methods For The Examination Of Water And Wastewater" = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, References:		
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SW846 = Laboratory F	tandard Methods For The Examination Of Water And Wastewater" = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, References:		
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SW846 = Laboratory F	tandard Methods For The Examination Of Water And Wastewater" = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, References:		

Sample Summary

Client: TRC Environmental Corporation. 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

RL

100

1000

1.0

10

20

RL

100

1000

100

1.0

10

20

0.050

0.050

Unit

ug/L

ug/L

mg/L

mg/L

mg/L

mg/L

Unit

ug/L

ug/L

ug/L

mg/L

mg/L

mg/L

mg/L

Result Qualifier

400

10

1.7

1400

2000

Result

380000

470

270

13

1.5

1400

2100

Qualifier

410000

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

Client Sample ID: MW-16-01

Client Sample ID: MW-16-02

Analyte

Calcium

Chloride

Fluoride

Sulfate

Analyte

Calcium

Chloride

Fluoride

Sulfate

Total Dissolved Solids

Iron

Boron

Total Dissolved Solids

Boron

Prep Type

Total Recoverable

Total Recoverable

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total Recoverable

Total Recoverable

Total Recoverable

Total/NA

Total/NA

Total/NA

Total/NA

Lab Sample ID: 240-213668-1

Lab Sample ID: 240-213668-2

Dil Fac D Method

1

1

1

1

10

1

Dil Fac

1

1

1

1

1

1

10

D

6010D

6020B

9056A

9056A

9056A

Method

6010D

6020B

6020B

9056A

9056A

9056A

SM 2540C

Lab Sample ID: 240-213668-3

Lab Sample ID: 240-213668-4

Lab Sample ID: 240-213668-5

SM 2540C

5
7
8
9

13

Client	Samn	le ID	· MW_1	6-03
Onone	Gump			

Analyte	Result Qua	alifier 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

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D Method	Prep Type
Boron	290		100	ug/L	1		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

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.

Detection Summary

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

Job ID: 240-213668-1

Lab Sample ID: 240-213668-5

Lab Sample ID: 240-213668-6

Lab Sample ID: 240-213668-7

Lab Sample ID: 240-213668-8

Client Sample ID: MW-16-05 (Continued)

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

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

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

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

5 6

Lab Sample ID: 240-213668-1 Matrix: Water

Client Sample ID: MW-16-01 Date Collected: 10/22/24 08:20

Date Received: 10/25/24 08:00	Date	Received:	10/25/24	08:00
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Analyte	Posult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		Quaimer				· · · · · · · · · · · · · · · · · · ·		Dii Fac
Boron	400		100	ug/L		10/28/24 12:00	10/29/24 13:03	1
Method: SW846 6020B - Metals (IC	P/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. Project/Site: CCR DTE Monroe Power Plant FAB/VEL Job ID: 240-213668-1

5 6

Lab Sample ID: 240-213668-2 Matrix: Water

Client Sample ID: MW-16-02 Date Collected: 10/21/24 14:30

Date Received: 10/25/24 08:00

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 (IC	P/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. Project/Site: CCR DTE Monroe Power Plant FAB/VEL Job ID: 240-213668-1

5 6

Lab Sample ID: 240-213668-3 Matrix: Water

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

Client Sample ID: MW-16-03

Method: SW846 6010D - Metals (IC	P) - Total Re	coverable						
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 (IC	P/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. Project/Site: CCR DTE Monroe Power Plant FAB/VEL Job ID: 240-213668-1

 Lab Sample ID: 240-213668-4 Matrix: Water
 3

 Prepared
 Analyzed
 Dil Fac

 10/28/24 12:00
 10/29/24 13:16
 1

Date Received: 10/25/24 08:00

Method: SW846 6010D - Metals (IC	P) - Total Re	coverable						
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 (IC	P/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
lron	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

RL

100

RL

1000

100

RL

1.0

10

20

0.050

Unit

ug/L

Unit

ug/L

ug/L

Unit

mg/L

mg/L

mg/L

mg/L

D

D

D

Prepared

10/28/24 12:00

Prepared

10/28/24 12:00

10/28/24 12:00

Prepared

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

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

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

Result Qualifier

Result Qualifier

Result Qualifier

340

400000

940

11

1.4

1400

1800

Client Sample ID: MW-16-05

Date Collected: 10/21/24 15:48

Date Received: 10/25/24 08:00

Analyte

Boron

Analyte

Calcium

Analyte

General Chemistry

Chloride (SW846 9056A)

Fluoride (SW846 9056A)

Sulfate (SW846 9056A)

Total Dissolved Solids (SM 2540C)

Iron

Job ID: 240-213668-1

Matrix: Water

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

1

10

1

Lab Sample ID: 240-213668-5

Analyzed

10/29/24 13:20

Analyzed

10/29/24 14:51

10/29/24 14:51

Analyzed

11/05/24 09:42

11/05/24 09:42

11/05/24 09:59

10/25/24 11:42

8

Page	14	of	30
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Client: TRC Environmental Corporation. Project/Site: CCR DTE Monroe Power Plant FAB/VEL Job ID: 240-213668-1

5 6

Lab Sample ID: 240-213668-6 Matrix: Water

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

Client Sample ID: MW-16-06

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 (IC	P/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. Project/Site: CCR DTE Monroe Power Plant FAB/VEL Job ID: 240-213668-1

5

Lab Sample ID: 240-213668-7 Matrix: Water

Client Sample ID: MW-16-07 Date Collected: 10/21/24 13:11 Date Received: 10/25/24 08:00

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 (IC	P/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	

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

5 6

Lab Sample ID: 240-213668-8 Matrix: Water

Client Sample ID: DUP-01 Date Collected: 10/21/24 00:00 Date Received: 10/25/24 08:00

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 (IC	P/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

RL

100

Unit

ug/L

Unit

ug/L

LCS LCS

973

Result Qualifier

D

Prepared

10/28/24 12:00

%Rec

97

D

Method: 6010D - Metals (ICP)

Matrix: Water

Matrix: Water

Matrix: Water

Analyte

Analyte

Boron

Boron

Analysis Batch: 632969

Analysis Batch: 632969

Analysis Batch: 633175

Lab Sample ID: MB 240-632623/1-A

Lab Sample ID: LCS 240-632623/2-A

Lab Sample ID: MB 240-632790/1-A

Job ID: 240-213668-1

Prep Batch: 632623

Prep Batch: 632623

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Analyzed

10/29/24 10:46

Prep Type: Total Recoverable

Client Sample ID: Lab Control Sample

%Rec

Limits

80 - 120

Client Sample ID: Method Blank

9

Prep Type: Total Recoverable Prep Batch: 632790 Dil Fac

Dil Fac

1

Analyte	Result	Qualifier	R	L	Unit		D	Pre	epared	Analyzed	Dil Fac
Boron	100	U	10	0	ug/L			10/28	/24 14:00	10/30/24 14:36	1
Lab Sample ID: LCS 240-632790/2-A							CI	lient	Sample	ID: Lab Contro	I Sample
Matrix: Water									Prep 1	Гуре: Total Rec	overable
Analysis Batch: 633175										Prep Batch	: 632790
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Boron			1000	1090		ug/L			109	80 - 120	

Spike

Added

1000

MB MB

100 U

МВ МВ

Result Qualifier

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-632623/1-A Matrix: Water Analysis Batch: 633017	мв	МВ									imple ID: Metho Type: Total Rec Prep Batch	overable
Analyte		Qualifier		RL		Unit		D	P	repared	Analyzed	Dil Fac
Calcium	1000	U		1000		ug/L			10/2	8/24 12:00	10/29/24 13:33	1
Iron				100		ug/L			10/2	8/24 12:00	10/29/24 13:33	1
Lab Sample ID: LCS 240-632623/3-A Matrix: Water Analysis Batch: 633017								С	lient		ID: Lab Control Type: Total Rec Prep Batch	overable
			Spike		LCS	LCS					%Rec	
Analyte			Added		Result	Qualifier	Unit		D	%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										Client Sa	mple ID: Metho	od Blank
Matrix: Water										Prep 1	ype: Total Rec	overable
Analysis Batch: 633017											Prep Batch	: 632790
	MB	MB										
Analyte	Result	Qualifier		RL		Unit		D	P	repared	Analyzed	Dil Fac
Calcium	1000	U		1000		ug/L		_	10/2	8/24 14:00	10/29/24 14:57	1
Iron	100	U		100		ug/L			10/2	8/24 14:00	10/29/24 14:57	1

Job ID: 240-213668-1

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

Lab Sample ID: LCS 240-632790/3-A								Cli	ient		D: Lab Control	
Matrix: Water										Prep	Type: Total Reco	
Analysis Batch: 633017											Prep Batch:	63279
			Spike			LCS					%Rec	
Analyte			Added			Qualifier	Unit		<u>D</u>	%Rec	Limits	
Calcium			25000		24700		ug/L			99	80 - 120	
Iron			5000		4920		ug/L			98	80 - 120	
lethod: 9056A - Anions, Ion Chr	omatog	raphy										
Lab Sample ID: MB 240-633893/3										Client S	Sample ID: Metho	d Blanl
Matrix: Water											Prep Type: 7	Total/N/
Analysis Batch: 633893												
	MB	MB										
Analyte	Result	Qualifier		RL		Unit		D	Pr	epared	Analyzed	Dil Fa
Chloride	1.0	U		1.0		mg/L					11/04/24 19:32	
Fluoride	0.050	U		0.050		mg/L					11/04/24 19:32	
Sulfate	1.0	U		1.0		mg/L					11/04/24 19:32	
Lab Sample ID: LCS 240-633893/4								Cli	ient	Sample	ID: Lab Control	Sampl
Matrix: Water											Prep Type: ⁻	
Analysis Batch: 633893												
			Spike		LCS	LCS					%Rec	
Analyte			Added		Result	Qualifier	Unit		D	%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	
lethod: SM 2540C - Solids, Tota	l Dissol	ved (TD	S)									
Lab Sample ID: MB 240-632519/1										Client S	Sample ID: Metho	d Blan
Matrix: Water											Prep Type:	Total/N/
Analysis Batch: 632519												
-	МВ	МВ										
Analyte	Result	Qualifier		RL		Unit		D	Pr	epared	Analyzed	Dil Fa
Total Dissolved Solids	10	U		10		mg/L					10/25/24 11:42	
Lab Sample ID: LCS 240-632519/2								CI	ient	Sample	ID: Lab Control	Sample
Matrix: Water											Prep Type: ⁻	Total/N/
Analysis Batch: 632519												
-			Spike		LCS	LCS					%Rec	
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	
Total Dissolved Solids			495		487		mg/L			98	80 - 120	
Lab Sample ID: MB 240-632674/1										Client S	Sample ID: Metho	d Blanl
Matrix: Water											Prep Type:	
Analysis Batch: 632674												
	МВ	МВ										
Analyte		Qualifier		RL		Unit		D	Pr	epared	Analyzed	Dil Fa

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

Lab Sample ID: LCS 240-632674/2 Matrix: Water Analysis Batch: 632674					Client	Sample	e ID: Lab Control Sam Prep Type: Total/	
· · · · · · · · · · · · · · · · · · ·	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	- 1
Total Dissolved Solids	495	475		mg/L		96	80 - 120	_

Job ID: 240-213668-1

Metals

Prep Batch: 632623

Lab Sample ID	Client Sample ID	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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

QC Association Summary

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

Analysis Batch: 633175 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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	

11/6/2024

Lab Sample ID: 240-213668-1 Matrix: Water

Lab Sample ID: 240-213668-2

Lab Sample ID: 240-213668-3

Lab Sample ID: 240-213668-4

Matrix: Water

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

Client Sample ID: MW-16-01

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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
īotal/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

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

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

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

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

Client Sample ID: MW-16-04

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

-	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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

Eurofins Cleveland

5 6

11 12

Matrix: Water

Matrix: Water

Client Sample ID: MW-16-04 Date Collected: 10/21/24 16:21 Date Received: 10/25/24 08:00

Date Received	. 10/25/24 00.0	0						
	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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 Date Collected: 10/21/24 15:48 Date Received: 10/25/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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

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

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

Client Sample ID: MW-16-07

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

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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 Sample ID: 240-213668-4

Lab Sample ID: 240-213668-5

Matrix: Water

Matrix: Water

Lab Sample ID: 240-213668-6

Lab Sample ID: 240-213668-7

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 240-213668-8

Client Sample ID: DUP-01 Date Collected: 10/21/24 00:00 Date Received: 10/25/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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. Project/Site: CCR DTE Monroe Power Plant FAB/VEL

Laboratory: Eurofins Cleveland

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				
llinois	NELAP	200004	08-31-25				
owa	State	421	06-01-25				
Kentucky (UST)	State	112225	02-27-25				
Kentucky (WW)	State	KY98016	12-30-24				
<i>l</i> innesota	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				
Dhio VAP	State	ORELAP 4062	02-27-25				
Dregon	NELAP	4062	02-27-25				
Pennsylvania	NELAP	68-00340	08-31-25				
- exas	NELAP	T104704517-22-19	08-31-25				
JSDA	US Federal Programs	P330-18-00281	01-05-27				
/irginia	NELAP	460175	09-14-25				
Vest Virginia DEP	State	210	12-31-24				

Eurofins Cleveland 180 S. Van Buren Avenue



Chain of Custody Record

euro	fins	

Environment Testing

Barberton,	OH 44203		
Phone (330) 497-9396 Pho	ne (330)	497-0772

Client Information	Sampler: Lab PM: Brooks, K					Kris I	ris M									COC No: 240-125212-41639.1	
Client Contact:	Phone:			E-Ma	ail:		State of			tate of Origin:				Page:			
Chris Scieszka Company:			PWSID:	Kris	Broo	oks@	ks@et.eurofinsus.com										Page 1 of 1 Job #:
TRC Environmental Corporation.									A	nalysi	s Re	ques	ted			_	
ddress: Due Date Requested: 540 Eisenhower Place																	Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days):																
State, Zip: MI, 48108-7080	Compliance Project	ct: A Yes	Δ No														
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 214270							Fluoride and Sulfate									
Email: CScieszka@trccompanies.com	WO #:				or No	6	1	e and									
Project Name:	ne: Project #:					or No)	:	lorid								iners	
CCR DTE Monroe Plant FAB/VEL	24016830 ssow#:				e e						conta			onta	Other:		
Site:				Samp	SD (C a								of ce		
		1	Туре	Matrix W=water, S=solid,	Filtered	Perform MS/M	2540C_Calcd - TDS	9056A_28D - Chloride, 6010B Bo, 6020 Ca								Total Number of containers	
Sample Identification	Sample Date	Sample Time		waste/oll, Issue, A=Air)	Field	Perfe	2540	9056/ 6010								Tota	Special Instructions/Note:
	\ge	$>\!$	Preservation	Code:	X	X	_									X	
MW-16-01	10/22/20	820	G	Water	Π				-								
MW-16-02	10/21/24	1430 -	C C	Water			Λ		1								
MW-16-03	10/21/24	1518	C .	Water					1								
MW-16-04	10/21/24	1621	G	Water	Π			$\overline{\Lambda}$	1								
MW-16-05	10/21/24	1948	G	Water	Π												
MW-16-06	10/22/24	1023	G	Water					1						23		
MW-16-07	10/21/24	1311	C	Water	Π		7	\overline{N}						З,			
DUP-01	10/21/24	-	G	Water	Π			//					2				
MP-001F ER				Water	-	1							240-2	13668	сос		
				Water	Π							\Box			_		
					Π						T						
Possible Hazard Identification	·	·	•			Sam	ple C	Dispos	al (A	fee ma	y be	asses	sed if s	sample	s are r	retain	ed longer than 1 month) nive For Months
Non-Hazard Flammable Skin Irritant Pois	on B Unkn	own 🖵 F	Radiological				Net	<i>um</i> 10	Oller	n –		Dispos	al By L	.ab		Arch	nive For Months
Deliverable Requested: I, II, III, IV, Other (specify)						Spec	al In	istructio	ons/Q	C Requ	ureme						
Empty Kit Relinquished by:		Date:			Tin	ne:							Method o				
Relinquished by	Date/Time:	142	Z Con	RC	-	R	teceiv	ed by:		Spe	200	C			22/25	21	1822 TRC
Relinquished by	Date/Time:		Con	2 C		R	eceive	ed by	y	M	,8	~		Date/		24	34 Company A
Relinquished by:	Date/Time:	24	Con	HE X	A	R	eceiv	AYH.	ARL	NE M	ÄR	I N		Date/	UNC Z	51-	24 800 Company R
Custody Seals Intact: Custody Seal No.:		- 1) °C and			:				

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20. SAMPLE PRESERVATION	Concerning	Eurofins Cleveland Sample Receipt Form/Narrative Eogin# 2
		e 0 25 24 prop Off Eurofins Courrer Off Storage Location ler Box Other Water None Other Water None Other Water None Other Water None Other See Multiple Cooler Form ed Cooler Temp °C Con 17 Yes Quantity (Yes that COC? Yes 17 Yes 17 Yes 17 Yes 17 Yes 18 CL1Hg/MeHg)? Yes 19 Jentified on the COC? Yes 19 See Multiple Cooler Form N, # of containers (WA), and sam N), # of containers (WA), and sam N), # of containers (WA), and sam N, # of containers (WA), and sam Yes (Larger than this. Yes (
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WI-NC-099-092324 Cooler Receipt Form.doc

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Coolant (Circle)	Corrected Temp °C	Observed Temp °C	IR Gun # (Circle)	cription le)	Cooler Description (Circle)	°C
	ultiple Cooler Form	Eurofins - Cleveland Sample Receipt Multiple Cooler Form	Eurofins - Clevelan			

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

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

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Temperature readings

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11/6/2024



Environment Testing

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







Eurofins Cleveland

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

Śroohs

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

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Revision 2

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Certification Summary	20
Chain of Custody	21

Job ID: 240-216226-1

Qualifiers

Qualifiers		3
Metals		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¢.	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	G
CNF	Contains No Free Liquid	C
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	5
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)	

- Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ
- TNTC Too Numerous To Count

Job ID: 240-216226-1

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

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.

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

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

Client Sample ID: MW-16-01					Lab Sar	nple ID: 2	40-216226-1
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 Sar	nple ID: 2	40-216226-2
Analyte	Result	Qualifier	RL	Unit	Dil Fac D	Method	Ргер Туре
Boron	450		100	ug/L	1	6010D	Total
							Recoverable
Client Sample ID: MW-16-03					Lab Sar	nple ID: 2	40-216226-3
Analyte	Result	Qualifier	RL	Unit	Dil Fac D	Method	Prep Туре
Boron	500		100	ug/L	1	6010D	Total
				-			Recoverable
Client Sample ID: MW-16-04					Lab Sar	nple ID: 2	40-216226-4
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 Sar	mple ID: 2	40-216226-5
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 Sar	nple ID: 2	40-216226-6
Analyte	Result	Qualifier	RL	Unit	Dil Fac D	Method	Prep Type
Boron	380		100	ug/L	1	6010D	Total
				0			Recoverable
Client Sample ID: DUP-01					Lab Sar	nple ID: 2	40-216226-7
Analyte	Result	Qualifier	RL	Unit	Dil Fac D	Method	Prep Туре
Boron	460		100	ug/L	1	6010D	Total
							Recoverable

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: MW-16-01 Date Collected: 12/05/24 11:46 Date Received: 12/07/24 08:00

Date Received: 12/07/24 06:00							
Method: SW846 6010D - Metals	s (ICP) - Total Recovera	ble					
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

Job ID: 240-216226-1

Matrix: Water

Lab Sample ID: 240-216226-1

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

Client Sample ID: MW-16-02 Date Collected: 12/05/24 09:58 Date Received: 12/07/24 08:00

Method: SW846 6010D - Metal	s (ICP) - Total Recovera	ble					
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

Job ID: 240-216226-1

Matrix: Water

Lab Sample ID: 240-216226-2

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

Client Sample ID: MW-16-03 Date Collected: 12/06/24 10:12 Date Received: 12/07/24 08:00

Method: SW846 6010D - Meta	als (ICP) - Total Recovera	ble					
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

Matrix: Water

Lab Sample ID: 240-216226-3

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

Client Sample ID: MW-16-04 Date Collected: 12/05/24 12:18 Date Received: 12/07/24 08:00

-								
	Method: SW846 6010D - Metals	s (ICP) - Total Recovera	ble					
	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

Matrix: Water

Lab Sample ID: 240-216226-4

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

Client Sample ID: MW-16-05 Date Collected: 12/06/24 09:17

Date Received: 12/07/24 08:00								
Method: SW846 6010D - Metals	; (ICP) - Tot	al Recovera	able					
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

Job ID: 240-216226-1

Matrix: Water

Lab Sample ID: 240-216226-5

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

Client Sample ID: MW-16-06 Date Collected: 12/05/24 10:56 Date Received: 12/07/24 08:00

Method: SW846 6010D - Metal	s (ICP) - Total Recovera	ble					
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

Job ID: 240-216226-1

Matrix: Water

Lab Sample ID: 240-216226-6

Client: TRC Environmental Corporation. 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

Method: SW846 6010D - Metals	s (ICP) - Tota	al Recovera	ble					
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

QC Sample Results

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

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-63808 Matrix: Water Analysis Batch: 638476	31/1 -A							ole ID: Metho e: Total Reco Prep Batch:	verable
	MB	MB							
Analyte	Result	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 240-6380 Matrix: Water	81/2-A					Clien		Lab Control : e: Total Reco	
Analysis Batch: 638476								Prep Batch:	638081
			Spike	LC	S LCS			%Rec	
Analyte			Added	Resu	It Qualifier	Unit	D %Rec	Limits	
Boron			1000	106	0	ug/L	106	80 - 120	

7 8 9

QC Association Summary

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

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	
VB 240-638081/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-638081/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
nalysis Batch: 6384	476				
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	60100	638081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	10
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	40
240-216226-7	DUP-01	Total Recoverable	Water	6010D	638081	13
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	

Job ID: 240-216226-1

lient Sample ate Collected: ate Received: 1	12/05/24 1	1:46					Lab	Sample ID:	Matrix: Water
-	Batch	Batch		Dilution	Batch			Prepared	
Ргер Туре	Туре	Method	Run	Factor		Analyst	Lab	or Analyzed	
Total Recoverable	Prep				638081		EET CLE	12/09/24 14:00	
Total Recoverable	Analysis	6010D		1	638476		EET CLE	12/11/24 10:30	
- Dilanat Olaman Ia	-						Lab	Commis ID:	040 040000 0
Client Sample							Lab	Sample ID:	240-216226-2
Date Collected: ' Date Received: 1									Matrix: Water
ale Receiveu.	12/07/24 0	0.00							
	Batch	Batch		Dilution	Batch			Prepared	
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	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	D: MW	-16-03					Lab	Sample ID:	240-216226-3
Date Collected:									Matrix: Water
Date Received: 1									
	Batch	Batch		Dilution	Batch			Prepared	
	Туре	Method	Run	Factor		Analyst	Lab	or Analyzed	
Bron Tuno	Type		Kull		638081	-	EET CLE	- <u>12/09/24 14:00</u>	
Prep Type		20054				DIN		12/03/24 14.00	
Total Recoverable	Prep	3005A		1				12/11/24 10:20	
Total Recoverable Total Recoverable	Prep Analysis	6010D		1	638476		EET CLE	12/11/24 10:39	240 216226 4
Total Recoverable Total Recoverable Client Sample Date Collected:	Prep Analysis ID: MW 12/05/24 1	6010D /- 16-04 2:18		1					240-216226-4 Matrix: Water
Total Recoverable Total Recoverable Client Sample Date Collected:	Prep Analysis ID: MW 12/05/24 1	6010D /- 16-04 2:18		1 Dilution					
Total Recoverable Total Recoverable Client Sample Date Collected:	Prep Analysis ID: MW 12/05/24 1 12/07/24 0	6010D 7-16-04 2:18 8:00	Run		638476 Batch			Sample ID:	
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received:	Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch	6010D 7-16-04 2:18 8:00 Batch	Run	Dilution	638476 Batch	RKT Analyst	Lab	Sample ID: Prepared	
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 1	Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch Type	6010D 7-16-04 2:18 8:00 Batch Method	Run	Dilution	638476 Batch Number	RKT Analyst BN	Lab	Sample ID: Prepared or Analyzed	
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 7 Prep Type Total Recoverable Total Recoverable	Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch Type Prep Analysis	6010D -16-04 2:18 8:00 Batch Method 3005A 6010D	Run	Dilution Factor	638476 Batch Number 638081	RKT Analyst BN	Lab EET CLE EET CLE	Sample ID: Prepared or Analyzed 12/09/24 14:00 12/11/24 10:51	Matrix: Wate
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 1 Prep Type Total Recoverable Total Recoverable Client Sample Date Collected:	Bit Bit Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch Type Prep Analysis ID: MW 12/07/24 0 ID: MW 12/07/24 0 ID: MW 12/06/24 0 ID: MW	6010D -16-04 2:18 8:00 Batch Method 3005A 6010D -16-05 9:17	<u>Run</u>	Dilution Factor	638476 Batch Number 638081	RKT Analyst BN	Lab EET CLE EET CLE	Sample ID: Prepared or Analyzed 12/09/24 14:00 12/11/24 10:51	
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 1 Prep Type Total Recoverable Total Recoverable Client Sample Date Collected:	Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch Type Prep Analysis ID: MW 12/06/24 0 12/07/24 0	6010D -16-04 2:18 8:00 Batch Method 3005A 6010D -16-05 9:17 8:00	Run	Dilution Factor	638476 Batch Number 638081 638476	RKT Analyst BN	Lab EET CLE EET CLE	Sample ID: Prepared or Analyzed 12/09/24 14:00 12/11/24 10:51 Sample ID:	Matrix: Water 240-216226-5
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 1 Prep Type Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 1	Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch Type Prep Analysis ID: MW 12/06/24 0 12/07/24 0 Batch	6010D -16-04 2:18 8:00 Batch Method 3005A 6010D -16-05 9:17	Run	Dilution Factor	638476 Batch Number 638081 638476 Batch	RKT Analyst BN	Lab EET CLE EET CLE	Sample ID: Prepared or Analyzed 12/09/24 14:00 12/11/24 10:51 Sample ID: Prepared	Matrix: Water 240-216226-5
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: ^ Prep Type Total Recoverable	Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch Type Prep Analysis ID: MW 12/06/24 0 12/07/24 0	6010D -16-04 2:18 8:00 Batch Method 3005A 6010D -16-05 9:17 8:00 Batch		Dilution Factor 1 Dilution	638476 Batch Number 638081 638476 Batch	RKT Analyst BN RKT Analyst	Lab EET CLE EET CLE Lab	Sample ID: Prepared or Analyzed 12/09/24 14:00 12/11/24 10:51 Sample ID:	Matrix: Water 240-216226-5
Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 1 Prep Type Total Recoverable Total Recoverable Client Sample Date Collected: Date Received: 1 Prep Type	Prep Analysis ID: MW 12/05/24 1 12/07/24 0 Batch Type Prep Analysis ID: MW 12/06/24 0 12/07/24 0 Batch Type	6010D -16-04 2:18 8:00 Batch Method 3005A 6010D -16-05 9:17 8:00 Batch Method		Dilution Factor 1 Dilution	638476 Batch Number 638081 638476 Batch Number	RKT Analyst BN RKT Analyst BN	Lab EET CLE EET CLE Lab	Sample ID: Prepared or Analyzed 12/09/24 14:00 12/11/24 10:51 Sample ID: Prepared or Analyzed	Matrix: Water 240-216226-5
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Client Sample ID: DUP-01 Date Collected: 12/05/24 00:00 Date Received: 12/07/24 08:00

ſ	_	Batch	Batch		Dilution	Batch			Prepared
	Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

Job ID: 240-216226-1

Matrix: Water

Lab Sample ID: 240-216226-7

Accreditation/Certification Summary

Client: TRC Environmental Corporation. 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	
lowa	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



Chain of Custody Record

Environment Testing

rogram: DW Vincent Buening rccompanies.com 3302 Turnaround Time WORKING I rom Below 2 weeks 1 week 2 days 1 day Sample Type (C=Comp, G=Grab) Matr G GW	B B DAYS T trix # of Cont	Filtered Sample (Υ / N)	e C b C (N/X	Contact: Contact: Kris		Date: Carrier:		COC No: 1 of1 COCs TALS Project #: Sampler: For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:
Ccompanies.com 3302 Turnaround Time WORKING (rom Below 2 weeks 1 week 2 days 1 day Sample (Ca-Comp, G=Grab) Matr G GW	trix Cont	Filtered Sample (Y/N)	bC (N / A	Contact: Kris	Brooks			TALS Project #: Sampler: For Lab Use Only: Walk-in Client: Lab Sampling:
3302 Turnaround Time WORKING (rom Below 2 weeks 2 weeks 2 days 1 day Sample Type (C=Comp, G=Grab) Matr	trix # of	Filtered Sample (Y / N)	Y / N)		Brooks	Carrier:		Sampler: For Lab Use Only: Walk-in Client: Lab Sampling:
WORKING I rom Below 2 weeks 1 week 2 days 1 day Sample Type (C=Comp, G=Grab) Matr	trix # of	Filtered Sample (Y / N)	\mathbf{x}					For Lab Use Only: Walk-in Client: Lab Sampling:
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2 weeks 7 Do 1 week 2 days 1 day Sample (C=Comp, G=Grab) Matr	trix Cont	Filtered Sample (Y / N)	\mathbf{x}					Lab Sampling:
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1 day Sample Type (C=Comp, G=Grab) Matr	trix Cont		Perform MS / MS	010B Total Bord				Job / SDG No.:
e Sample Type (C=Comp, G=Grab) Matr	trix Cont		Perform MS /	010B Total E				
e Type (C=Comp, G=Grab) Matr	trix Cont		Perform A	010B To				
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er		╧┽	H	4				
aste Codes for the	e sample		Sar	mple Dispos	al (A fee may	be assessed if sa	mples are retain	ed longer than 1 month)
Unknown				Return to Clie	ent	Disposal by Lab	Archive for_	Months
	G G G G C C C C C C C C C C C C C C C C	G GW 1 G GW 1 G GW 1 G GW 1 G G GW 1 G G G G G G G G G G G G G G G G G G G	G GW 1 N G GW 1 N Image: Set Codes for the sample in Set Codes fo	G GW 1 N N GW GW 1 N N GW GW 1 N N GW GW 1 N N GW <td< td=""><td>G GW 1 N N X G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G<td>G GW 1 N N X Image: Contract of the sample in the</td><td>G GW 1 N N X Image: Constraint of the sample in the same constraint of the sample in the same constraint of the same constrai</td><td>G GW 1 N N X Image: Codes for the sample in the same same same same same same same sam</td></td></td<>	G GW 1 N N X G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G G <td>G GW 1 N N X Image: Contract of the sample in the</td> <td>G GW 1 N N X Image: Constraint of the sample in the same constraint of the sample in the same constraint of the same constrai</td> <td>G GW 1 N N X Image: Codes for the sample in the same same same same same same same sam</td>	G GW 1 N N X Image: Contract of the sample in the	G GW 1 N N X Image: Constraint of the sample in the same constraint of the sample in the same constraint of the same constrai	G GW 1 N N X Image: Codes for the sample in the same same same same same same same sam

12/27/2024 (Rev. 2)

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Conclust Received on 1/2/11/2/4 Over Numer Over Numer Over Numer Reckly, 1/2 (ref. 12) From Bax Class Conclust Normal Learning Over Burning Conclust For COLANT Weak Normal Learning Description Storget Learning Description 1 Color Ampendiate Namer Respire The Normal Learning Description Description Description Description 1 Color Ampendiate Namer Respire The Color Prop. 2/C - C Concreted Color Trap. 2/C - C Concrete Color

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Temperature readings .

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

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Field Notes

PAGE _____ OF _____

PROJECT NAME:	DTE MON FAB/VEL 1SA24 GW Sampling
PROJECT NUMBER:	553931.0001.0000
PROJECT MANAGER:	Vincent Buening
SITE LOCATION:	E. Dunbar Rd
SHE LOCATION.	Monroe, MI 48161
DATES OF FIELDWORK:	4/2/2024 TO -4/3/2024
	Semiannual Groundwater Sampling
PURPOSE OF FIELDWORK:	
	Andrew whaley -Elrie Rinehart, Javier Jasso
WORK PERFORMED BY:	7
\frown .	
V[3]	DATE CHECKED BY

PAGE 2 OF 7

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GENERAL NOTES

PROJECT NAME	DTE MON FAB/VEL 1SA24 GV	DATE 4/2/24	TIME ARRIVED 6720
PROJECT NUMBER		AUTHOR -ER, JJ AW	TIME LEFT: 530

		WEATH	
TEMPERATURE 42	"F WIND	10 MPH	VISIBILITY OVERAS - Drizzle
	W	ORK / SAMPLING	PERFORMED
Meet with Collect SWI Sample M 16-07	1		05, MW-16-03 and MU- Dur-01
PROBL	EMS ENCOUNTERE	D	CORRECTIVE ACTION TAKEN
Code to M	they is to	xhel,	Cut the chain under DIE supervision, TEC 3120 lock added, set of types given to DIE
		COMMUNIC	ATION
NAME	REPRESENTING		SUBJECT / COMMENTS
Vince Bening En: Molnor	TRC	PM-6 Site (Plates contact laccess

INVESTIGATION DERIVED WASTE SUMMARY COMMENTS WASTE MATRIX QUANTITY purge to ground Gw MM - 4/3/24 DATE in In UN

14-3-24 DATE CHECKED BY

REVISED 04/2019

SIGNED

PAGE OF 17

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GENERAL NOTES

PROJECT NAME	DTE MON FAB/VEL 1SA24 GV	DATE U	12	24	TIME ARRIVED/)700
PROJECT NUMBER	553931 0001 0000	AUTHOR	ER,	IJ	TIME LEFT 400

		WEATH	HER I P
TEMPERATURE	F WIND	20 MPH	H VISIBILITY OUL Can't Ra
	W	ORK / SAMPLING	G PERFORMED
Wells S.	Ampled = 0	JU- 16.	01,16-06,MP-001F 16-07
PROF	BLEMS ENCOUNTERE	D	CORRECTIVE ACTION TAKEN
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		COMMUNIC	CATION
NAME	REPRESENTING		SUBJECT / COMMENTS
	INVESTIC	GATION DERIVE	D WASTE SUMMARY
WASTE MATRIX	QUANTITY		COMMENTS
GW	NM	forged	to ground
\bigcirc	V131.	24	and what 4/21

DATE

SIGNED

DATE

CHECKED BY

COLOR	EQUIPINE	ENT SUMMARY	
PROJECT NAME:	DTE MON FAB/VEL 1SA24	SAMPLER NAME:	Elric Rinehart, Javier Jasso
	553931.0001.0000		
WATER LEVEL MEAS	UREMENTS COLLECTED WITH:		
	RON DIPPER-T		PROJECT DEDICATED
NAME AND MODEL OF I	NSTRUMENT	SERIAL NUMBER	(IF APPLICABLE)
PRODUCT LEVEL ME	ASUREMENTS COLLECTED WIT	H:	
	NA		NA
NAME AND MODEL OF I	NSTRUMENT	SERIAL NUMBER	(IF APPLICABLE)
DEPTH TO BOTTOM O	OF WELL MEASUREMENTS COL	LECTED WITH:	
	NA		NA
NAME AND MODEL OF	NSTRUMENT	SERIAL NUMBER	R (IF APPLICABLE)
PURGING METHOD			
BLADDER	R PUMP (DEDICATED)		PROJECT DEDICATED
NAME AND MODEL OF	PUMP OR TYPE OF BAILER	SERIAL NUMBER	R (IF APPLICABLE)
SAMPLING METHOD			
BLADDE	R PUMP (DEDICATED)		PROJECT DEDICATED
NAME AND MODEL OF	PUMP OR TYPE OF BAILER	SERIAL NUMBER	R (IF APPLICABLE)
GEOTECH	H DISPOSABLE FILTER		0.45 MICRON
NAME AND MODEL OF	FILTERATION DEVICE	FILTER TYPE AN	ND SIZE
DEDIC	ATED POLY TUBING	J LOW	V-FLOW SAMPLING EVENT
TUBING TYPE		_	
PURGE WATER DISP	OSAL METHOD		
GROUND		D POLYTANK	OTHER
DECONTAMINATION	AND FIELD BLANK WATER SOL	JRCE	
S	TORE BOUGHT		STORE BOUGHT
POTABLE WATER SOU	RCE	DI WATER SOU	RCE

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WATER LEVEL DATA

PROJECT NAME:	DTE MON	FAB/VEL 1SA24	GW Sampling		DATE	8/2/24	
PROJECT NUMBER:	553931.00	001.0000			AUTHO	R: ER, JJ	AW
WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH BOTT (FEE	OM	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-607	1345	+ TOC	+7.23	NM	1	NA	NM
MW-16-01	0830	TOC	4.26	NW	1	NA	NM
MW-16-06	0845	TOC	0.00	NW		NA	NM
MW-16-02	0905	+TOC +	3.37	NN	1	NA	NM
MW-16-03	0920	+TOC	+ 11.32	NA	٨	NA	NM
MW-16-05	0935	+Tox	+16.03+1	4.39 N	M	NA	NM
MW-16-04	1020	+TOC	+4.78	N		NA	NM
MP-201F		Medering Poi	int	N	M	NA	NW- 9
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ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

413/24 Up DATE SIGNED

4-3-24 DATE CHECKED

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WATER QUALITY METER CALIBRATION LOG

TION CHECK	TIME	CAL F	CT DATE CIFIC CONDUCTIVI READING TEMI CAT 5 CT 1 5	TION CHECH PERATURE CELSIUS) 7. (TION CHECH PERATURE CELSIUS)	CAL RANGE	TIME
10 CAL NG/STANDARD CAL NG/STANDARD RANGE 4/00 RANGE 9 RANGE 9 RANGE 10 RANGE 11 RANGE 12 RANGE 13 RANGE 14 CAL 14 RANGE 14 RANGE 14 RANGE 14 RANGE 14 RANGE 15 RANGE 16 RANGE 17 RANGE 18 RANGE 16 RANGE 17 RANGE 16 RANGE 17 RANGE 16 RANGE	TIME	CAL F (LOT #): 4GA (EXP. DATE) J POST-CAL READ 1200 CAL F POST-CAL READ 9,38	READING TEMI C971 C011 (2.5 ADING / STANDARD / [2000] [7] / / D.O. CALIBRAT READING TEME NG /BATURATED AIR	TION CHECT PERATURE TION CHECT PERATURE CELSIUS)	CAL RANGE	TIME
10 CAL NG/STANDARD CAL NG/STANDARD RANGE 4/00 RANGE 9 RANGE 9 RANGE 10 RANGE 11 RANGE 12 RANGE 13 RANGE 14 CAL 14 RANGE 14 RANGE 14 RANGE 14 RANGE 14 RANGE 15 RANGE 16 RANGE 17 RANGE 18 RANGE 16 RANGE 17 RANGE 16 RANGE 17 RANGE 16 RANGE	TIME	CAL F (LOT #): 4GA (EXP. DATE) J POST-CAL READ 1200 CAL F POST-CAL READ 9,38	READING TEMI C971 C011 (2.5 ADING / STANDARD / [2000] [7] / / D.O. CALIBRAT READING TEME NG /BATURATED AIR	TION CHECT PERATURE TION CHECT PERATURE CELSIUS)	CAL RANGE	TIME
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			RB TURB	+/- 5% OF	CAL STAN	DARD
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WATER QUALITY METER CALIBRATION LOG

PROJECT NAME	DTE MON FAB/VEL 1SA24	4 GW Samp	ling	MODEL DE DES SAMPLER ER, JJ					
PROJECT NO	553931 0001 0000			SERIAL # P	ROJECT	DATE 412	171		
					SPECIFIC COND	UCTIVITY CALIE	RATION	HECK	
P	H CALIBRATION CHECK	1	-		CAL READING .	TEMPERATURE		T	
(LOT # 368 1377	(LOT #): 3 CAX 1164			LOT #	16A077		CAL	TIME	
(EXP. DATE): 1/15	(EXP. DATE) ())	CAL. RANGE	TIME	(EXP. D/	/	("CELSIUS)	RANGE	THYL	
POST-CAL READING / STANDAR	1110	-		POST-CAL READING / STANDAR					
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(LOT # 27 E 100 19	TEMPERATURE				CAL READING	TEMPERATORE	CAL.		
ILUI # DD L W	("CELSIUS)	CAL. RANGE	TIME			(°CELSIUS)	RANGE	TIME	
(EXP. DATE): () 90	10	-		POST-CA	L. READING /SATURATED A				
212		WITHIN	one	9.		16.0		071	
23) 1337	14	WITHIN	On	1.		14.	WITHIN	00	
1		RANGE			/			-	
/					/				
1		WITHIN RANGE			1		RANGE		
TURB	IDITY CALIBRATION CHEC	СК				COMMENTS			
					TOCAL SOLUTION	-	D SOLUTION		
		CAL. RANGE	TIME	(LOT #): (EXP. DA		LIST LOT NUMBERS	AND EXPIRAT IBRATION CHE		
POST-CAL READING STANDAR			-	CALIBRATED PARAMETERS		CALIBRATION RANGES (1)			
MUST-CAL READING ISTANDAR	D POST-CAL READING I STANDARD		nic		pH	pH: +/- 0.2 S			
0,0	1	RANGE	010				OF CAL. STAN		
10/10		RANGE	010		COND				
1	11	RANGE			ORP	ORP: +/- 25 m	V		
1	1	WITHIN RANGE			DO	D.O.: VARIES			
	NOTES				TURB	TURB: +/- 5% C	OF CAL STAN	NDARD	
						(1) CALIBRATION RA	NCES ARE SE		
	-					THE MODEL OF THE			
	/					-			
	PROFILENC ENCOUNTERED		-		CORPECT	TIVE ACTIONS		_	
	PROBLEMS ENCOUNTERED		_		CONTEC				
	/				/				
	/								
	11-1	11		/	1.	,	1		
	41312	4		4	Celan La	lin	413	124	
IGNED	1.7.	DATE		CH	ECKED BY	0		DATE	
//									
/ /									
//									
0									

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PROJECT	T NAME	DTE	MON FAB/VEL	1SA24 GV	PR	EPARED	-	CHEC	KED
PROJECT		R 55393	1.0001.0000	BY	ER	DATE	3/24 BY A	J	DATES/13/2
SAMPLE	ID: AO.	1.11	01	WELL DIA	METER 7	2" 4"	6" OTHER	2	
WELL MA	[PVC	e.O'	IRON GA	LVANIZED	STEEL	OTHER	2	
SAMPLE 1		GIGW		SW DI		LEACHATE	OTHER	2	
DUD	GING	1		ATE ULAL	ni s	AMPLE	TIME OG	57 0/	TE 4 2 20
	-	TIME OC		MP (DEDICATE	T	11			Ceq umhos/
PURGE			BLADDER FOR	WF (DEDICATE	ORP	111		·)_ mg	/L
DEPTH T	O WATER	2.0	T/ PVC		TURB	DITY 3,9	1 NTU		_
DEPTH T	O BOTTO		T/ PVC		J-NO			DDERATE	VERY
WELL VO	LUME	NA	LITERS	GALLONS	TEMPE			HER	2/2/4
VOLUME	REMOVE	9_9	LITERS	GALLONS	COLO			OR V	IUN
COLOR		Clew	00	OR DOK	FILTRA	TE (0.45 um)	-	NO	I
			BIDITY	_				DUP-	R
PHONE	_		MODERATE	VERY		MPLE MS	/MSD	DUP	
DISPOSA	L METHO	D 🔽 GROU	ND DRUM	OTHER	COMN	IENTS		1	CUMULATIV
TIME	PURGE RATE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATURE	WATER LEVEL	PURGE VOLU
	(ML/MIN	(SU)	(umhos/cm)	(mV)	(mg/L)	(NTU)	(°C)	(FEET)	(GAL OR L)
SITT	100	218	1999	270	12.90	17.0	71/	4.30	~
0922		711	2069	20.1	4.74	9.2	9.0	470	, 1
0427		7.12	3070	7.9	3.0	7.1	9,1	470	1.5
0932		7.14	207)	- 5:4	20	6-0	6. 2	4.70	1.1
0937		7.15	2070	- 21.0	15	4.3	9.3	4.70	2.1
0942		7.15	2071	- 30	1.4	4.0	9.3	4.70	2.1
0447		716	2070	- 46.0	1.7	3.95	9.4	4.70	3
0957		716	2070	-46.3	1.2	4.0	9.4	4.70	3.5
0957		7.16	2069	- 46.5	1.7	395	9.5	475	4
NO	TE: STAB	ILIZATION T	EST IS COMPL	ETE WHEN 3 S	UCCESSIV	E READINGS A	RE WITHIN THE	FOLLOWIN	G LIMITS:
pH: +/-	0.1	COND +/-	10 % ORP	+/- NA D	0. +/- NA	TURB +/-	10 % or =</td <td>5</td> <td>TEMP: +/- 0.5</td>	5	TEMP: +/- 0.5
BOTTLES	S FILLED	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOH	E - HC	_ F
NUMBER	SIZE	TYPE	PRESERVATIV	/E FILTERE	D NUMBE	ER SIZE	TYPE PF	RESERVATIN	/E FILTERE
1	250 mL	PLASTIC	A	Y V	N				Y
1	250 mL	PLASTIC	В	□ Y ☑	N				V V
1	60 mL	PLASTIC	А	YV	N				Y
				UY U	N				Y D

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SHIPPING METHOD Courier COC NUMBER

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PROJE	CT NAME	DTE	MON FAB/VEL	15A24 GV	P	REPARED		CHE	CKED
PROJE	CT NUME	3ER 5539	31.0001.0000	В	Y ER	J) DATE U	3124 BY	Acs	DATEY/3/2
SAMPL	EID: N	ne.	160	WELL DI	AMETER .	2" 4"	6" OTHE	ER	
	ATERIAL	PVC	SS D		ALVANIZED	STEEL	OTHE	R	
SAMPLE	TYPE	GW	ww []	SW D		LEACHATE	OTHE	R	
PU	RGING	TIME (537 D	ATELIDI	*	SAMPLE	TIME 1		DATE 41312
PURC			Perish			-91.0	nV DO (11VITY 20	g/L umhos/c
DEPTH	TO WATE		T/ PVC	1		BIDITY B	9 NTU		
DEPTH	TO BOTT	M M	T/ PVC		E NO			ODERATE	VERY
WELL V	DLUME	N	LITERS	GALLONS	TEMP			THER _	
VOLUM	EREMOV	ED: (D)	LITERS	GALLONS		DRCI.			1016
COLOR	_	Clipo		ORNOL	FILTR	ATE (0.45 um)	YES	A-NO	
		TU	RBIDITY		FILTRA		F	ILTRATE OD	OR
NON	E P	SLIGHT	MODERATE	VERY			S/MSD	DUP-	
DISPOS	AL METHO	DD 🔽 GROU	IND DRUM	OTHER	COMM	MENTS			
TIME	PURGE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATUR	WATER	CUMULATIVE PURGE VOLUME
	(ML/MIN		(umhos/cm)	(mV),	(mg/L)	(NTU)	(°C)	(FEET)	(GAL OR L)
1037	200	244	2078	13.4	9.8	30	9.7	0.0	INITIAL
1047		7.1-	2087	-74.5	2.4	14.7	10.5	0.0	1
1047		7.14	2086	-55	1.4	13.1	10.4	0.0	2
105)		7.1	12084	- 69.	1.1	12.5	10.5	0.0	3
ing 7		718	2087	80	10	11.0	10.3	0.0	4
10)		7.10	2087	-90.5	090	10	10.3	0.0	5
10		110	2084	-909		9.0	10.4	0.0	6
114		718	2088	-90.5		9.0	10.4	0,0	7
113		7.10	2007	-91.0	087	8.9	10.4	0.0	¢)
1117	(1.0	200		06	1	10	0	U
NC	TE: STAE	BILIZATION T	EST IS COMPLE	TE WHEN 3 S	UCCESSIVE	E READINGS A	RE WITHIN THE	FOLLOWIN	G LIMITS:
pH: +/-	0.1	COND +/-	10 % ORP: +	/- NA D	0.: +/- NA	TURB +/-	10 % or </td <td>= 5</td> <td>TEMP: +/- 0.5°C</td>	= 5	TEMP: +/- 0.5°C
BOTTLE	S FILLED	PRESERV	ATIVE CODES A	-	B - HNO3	C - H2SO4	D - NaOH	E - HC	1
UMBER	SIZE	TYPE	PRESERVATIV			R SIZE	TYPE P	RESERVATI	
1	250 mL	PLASTIC	А	□ Y ☑	N				
1	250 mL	PLASTIC	В	Y	N				Y N
1	60 mL	PLASTIC	А	Y	N				Y N
				O Y D	N				Y N
					N				YUN

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137.5

PROJECT	NAME	DTE	MON FAB/VEL	1SA24 0	GV	PF	REPARED			CHE	CKED
PROJECT	NUMBE	R 55393	31 0001 0000		BY	1.5R.J.	DATE	the By	Aci	5JK	DATE4/3/29
SAMPLE	ID: AAC	J-16	04	WEL	L DIAME	TER] 2" 🗌 4" 🗌] 6" 🗌 C	THER		
WELL MAT	ERIAL	PVC	SS D	IRON [GALV	ANIZED	STEEL		THER		
SAMPLE T	YPE	GW		SW [] DI		LEACHATE	C 0	THER		
PUR	GING	TIME 10		ATE	14		SAMPLE	TIME 1	35	t	DATE 4/2/24
PURGE		-	Artesia		CATED)	PH ORP	- ince	SU CONE		-10-1	g/L umhos/cr
DEPTH TO	WATER	+ 14.78	T/ PVC			TURB	IDITY 08	NTU			
DEPTH T	BOTTO	MM NM	T/ PVC			NO NC	NE SL	іднт [MO	DERATE	VERY
WELL VOL	UME	8	LITERS	100	ONS	TEMP	ERATURE 1	.3_°C	OT	HER _	
VOLUME	REMOVE	2025	LITERS	X GALL		COLC	R Llear		OD	-	Slight
COLOR	Gray	- Clea		DOR AD	ne	FILTR	ATE (0 45 um)	YES	X	NO	
_	_		BIDITY	_				4400	FIL	DUP-	OR
NONE			MODERATE		ERY	-		S/MSD			- 1100
DISPOSA	LMETHO	D 🔽 GROU	ND DRUM		ER	COM	MENTS: 27	SGF	M	E	CUMULATIVE
TIME	PURGE	PH (SU)	CONDUCTIVITY (umhos/cm)	ORF (mV		D.O. (mg/L)	TURBIDITY (NTU)	TEMPERA (°C)	TURE		PURGE VOLUME
Im	27.5	6.65	1/021	57.		2.06	8.84	11.3		ATT	LINITIAL//C
105	1	1.05	1614	32.2		.87	5.62	11.	3		12375
10		197	11/28	17.0		.23	2,20	11.	3		1375
1115		6.95	1616	7.9		1.351	1-32)(.	3		1512.5
		6.98		1.6		1.80	m e i	113			16502
1120		7,00	1610	-38	1	.78	0.76	11.3			1787.5
125			1611	-4.8		.78	0.90	11.3			1925
130	V	7.00	1609	-6.2		.77	0.81	11.3		V	20/02.5
1135		7.01	1606	-0,2		• 17	0.01	1 3			LUCCO
NO	TE: STAB	ILIZATION T	EST IS COMPL	ETE WHE	EN 3 SU(CCESSIV	E READINGS A	ARE WITHIN	THE	FOLLOWI	
pH. +/-		COND : +/-		+/- NA		+/- NA	TURB: +/- C - H2SO4		r =</td <td>5 E - H</td> <td>TEMP: +/- 0.5°C</td>	5 E - H	TEMP: +/- 0.5°C
BOTTLES		-	ATIVE CODES	-	TERED	NUMB		TYPE	-	ESERVAT	
NUMBER	SIZE	TYPE	PRESERVATI				ULL OILL	inc			
1	250 mL	PLASTIC	A		V N	-			-		
1	250 mL	PLASTIC	B			-			-		
1	60 mL	PLASTIC	A			-			-		
		-							-		
_				Y						_	
HIPPING N	ITTUOD.		D	TE SHIPP	DED G	12/20		AIRBIL	I NUM	BER	

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PROJECT	NAME	DTE	NON FABAVEL	1SA24 GV	PI	REPARED			CHE	CKED
PROJECT	NUMBER	\$ 55393	1.0001.0000	BY	ALL ER J	J DATE	174 BY	2	K	DATE 4-3-24
SAMPLE	ID: MU	2-1/-	05	WELL DIA	METER	2" 4"	6 0	THER		
WELL MAT		V PVC	□ss □		LVANIZED			THER		
SAMPLE T	YPE	GW		SW DI	E	LEACHATE		THER		
PUR	CINC	TIME	and low	TE4/2/20	. 1	SAMPLE	TIME 17	IF	D	ATEC/2/24
		PUMP	DEADDER PUN	110101	-	1.0.0	1 16		1	25 umhos/cm
PURGE	5	BAILER		in condition		to see	nV DO	1.	1.4	g/L
DEPTH TO	D WATER		T/ PVC		-	BIDITY 7.2	NTU			
	BOTTOM		T/ PVC		N X		IGHT		ERATE	VERY
WELL VOL	UME	7.5	LITERS	GALLONS	TEMP	ERATURE	118 0	OTH	ER	-
VOLUME	REMOVED	2000	LITERS	X GALLONS	COLO	DR Llean	r	ODO	RÍ	vone
COLOR	Class	4 gay	OD	OR Slight	FILTR	ATE (0 45 um)	YES	X	NO	-
			BIDITY	4		ATE COLOR		-	RATE OD	
NONE	11	-	MODERATE	VERY		AMPLE MS		1	DUP- C	
DISPOSA	LMETHOD	GROU	ND DRUM	OTHER	COM	MENTS Flau) rate	. 12.		M @ 0935
TIME	PURGE	66-7.7	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERA ("C)		WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME
1200	12.5	6.91	1611	49	1.88	22.1	11.8	>	NM	INITIAL 18
1203	1	6.93	1606	-0.4	1.20		11.8		1	1850
1206		Lau	1606	-0.9	1.76	8.46	11.8			1887.5
1209		6.94	1606	-2.9	1.75	4.67	11.8	2		1925
1712		6.94	1606	-3.3	1.75	3.12	11.8			1462.5
1215	V	6.95	1605	-3.5	1.74	2.23	11.8		V	2000
10.1		Q.12	1005	3			1.0			0000
		-								
							-			
NO	TE STADU	IZATION	EST IS COMPL	ETE WHEN 2 S	UCCESSIN	EREADINGS	ARE WITH	THE E	OLLOW	IG LIMITS
pH +/-	1000	OND +/-			0 +/- NA					TEMP +/- 0.5°C
BOTTLES		PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - Na	он	F - H(CL F
NUMBER	SIZE	TYPE	PRESERVATIN	_			TYPE	-	SERVAT	
		PLASTIC	A	YV						
22		PLASTIC	В							
		PLASTIC	A							
2	OD HIL	- DHUTTO	0							
		_						-		
	-				h 1	74	-	-	_	LY LN
HIPPING M	METHOD (Couner	DA	TE SHIPPED	91312	9	AIRBIL	L NUME	BER _	
OC NUMB	0.0		SIG	NATURE.	1	1.1	DATE	niching	/1	121

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PROJECT NAM	DTE	MON FAB/VEL	1SA24 GV	PR	EPARED		CHE	CKED
PROJECT NUM	BER 55393	31 0001 0000	BY	ER	DATE	3/24 BY /	tw	DATE4/3/24
SAMPLE ID: A	12-16-	-02	WELL DIAN	METER 3	2" [] 4" [6" [] OTH	ER	
WELL MATERIAL	1 PVC			VANIZED S	TEEL	ОТН	ER	
SAMPLE TYPE	GW	ww D	SW DI		LEACHATE	ОТН	ER	
PURGING	TIME (60 0	TE ULD DY		AMPLE	TIME D:	39 0	DATE 412 124
PURGE	PUMP	10	APHOEDICATES	1	1	SU CONDUC		123 umhos/cm
METHOD	BAILER	Artesia	in farmers in the	-	-123.0,		100 100	g/L
DEPTH TO WAT	R 0.8	THE PSI		TURBI	DITY 35	U NTU		
DEPTH TO BOTT	OM	T/ PVC		-NON			MODERATE	VERY
WELL VOLUME	9.75	LITERS	GALLONS	TEMPE	or the training the second sec		OTHER	21
VOLUME REMOV		LITERS	X GALLONS	COLOR	Ciu		1	C/G
COLOR _	lear	00	OR None	FILTRA	FE (0 45 um)	1	1 NO	
-		REIDITY				s/MSD	DUP-	DR
DISPOSAL METH				QC SAI	ENTS .5		0905 -	11502
	-			T		1	WATER	CUMULATIVE
TIME PURC	- PH	CONDUCTIVITY	ORP	DO	TURBIDITY	TEMPERATUR	LEVEL	PURGE VOLUME
(MILT)	100)	(umhos/cm)	(mV)	(mg/L)	(NTU) 7.0	10.1	NA	MITTAL 33
1150 1.5	7.56	2(2)	6-3			16.6	NA	348 50
151	700	2132	.710	1.0	370	10.6		
1200	1.20	2171	-95	071	3.75	10.4		358.5
1212	1.10	2132	- 112.5	der		10.6		567
1214	1.20	2127	- 113.5	063	3,60	10.6		379.5
1228	7.21	212	-122.4	061	3.50	10-4		400.5
12 22	51	2123	-1250	0-4	3.50	10.4	V	1111
1239 V	1	2123	-100*	650	2.5	10.7		711
							-	
								IC LIMITS:
		10 % ORP		JCCESSIVE		10 % or <		TEMP +/- 0.5°C
	-							
BOTTLES FILLE		ATIVE CODES		B - HNO3	C - H2SO4		PRESERVATI	VE FILTERED
NUMBER SIZE	The second	PRESERVATIV			SIZE	THE I	MEVENYAII	
1 250 m		A			-			
1 250 m		B						
1 60 ml	PLASTIC	A						
	-							
	- J			-	1	AIDDULL	MDED	
SHIPPING METHO	D Couner		TE SHIPPED	4/3/2		AIRBILL NU	,	1.0.11
OC NUMBER		SIG	NATURE	1	- 1	DATE SIGN	NED 11	12/14

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ROJECT	NAME	DTE M	ON FAB/VEL	1SA24 GV	PF	REPARED			CHEC	CKED
PROJECT	NUMBER	R: 553931	0001.0000	BY	WER, J.	DATE	124 E	Y JK	C	DATE4-7-24
SAMPLE	ID: AA	W-16	~	1		2" [] 4" []		OTHER		
WELL MAT	ERIAL	V-16			ANIZED		-	OTHER		
SAMPLE T		GW		SW [] Di		LEACHATE		OTHER		
						SAMPLE	TIME (IUCI	D	ATE4/2/74
	GING	TIMEOS	0	TE 4/2/24	-	1.02		DUCTIVIT		1144
PURGE			BLADDER PUN	1P (DEDICATED)			NV DO	1.7		
		tu.32	TI DVC		-	BIDITY 1.9	1			
	O BOTTON		T/ PVC		NO. NO		IGHT	MOD	ERATE	VERY
WELL VOL		7		X GALLONS	TEMP	ERATURE	.6 .	C OTHE	ER _	-
		510		GALLONS	COLC	DR CLEAR		ODO	R ↓	Jone
COLOR		mish g	Vay OD	OR Slight	FILTR	ATE (0.45 um)	YES	XI	0	
		TUR	BIDITY	0		ATE COLOR		-	RATE OD	OR
NONE			MODERATE	VERY	_	AMPLE MS			DUP-	
DISPOSA	L METHOD	GROUN	ND DRUM	OTHER	COM	MENTS 2.5	gpin 6	920		35 = 487.50
TIME	PURGE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPER	ATURE	WATER	CUMULATIVE PURGE VOLUME
	(SELAND)	e.7-7.3	(umhos/cm)	(mV)	(mg/L)	(NTU)	(*	C) +1	(SEET)	GAL OR L)
1235	2.5	6.95	1705	3.6	1.86	5.17	11.6		NA	-INITIAL 98
1235-		6.95	1704	2.7	1.82	3.90	11	>		495
1241		6.96	1703	0.7	1.72	3.32	11.	6		502.5
1244	V	6.96	1703	-1.7	1.75	1.91	11.	6	×	510
NC	TE: STAB	ILIZATION T	EST IS COMPL	ETE WHEN 3 SU	JCCESSI	E READINGS	ARE WITH	IN THE F	OLLOWI	NG LIMITS:
pH: +/-	0.1	COND +/-	10 % ORP:	+/- NA D.	D. +/- NA	A TURB +/-	10 %	or =</td <td>5</td> <td>TEMP. +/- 0.5°C</td>	5	TEMP. +/- 0.5°C
BOTTLE	S FILLED	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO	4 D-1	laOH	E - H	CL F
NUMBER	SIZE	TYPE	PRESERVATI	VE FILTERED	NUM	BER SIZE	TYPE	E PRE	SERVAT	TIVE FILTERED
1	250 mL	PLASTIC	А	Y V	N					Y N
1	250 mL	PLASTIC	В	Y V	N					Y N
1	60 mL	PLASTIC.	А	Y V	N					Y N
				□ Y □	N					Y N
				Y	N					Y N
SHIPPING	METHOD	Courier	DA	TE SHIPPED	412	174	AIRE		BER	
	N	Couner		GNATURE:	1.	1.1	-	E SIGNED		ablect
NOC NOME		-	01	Stations.	1+-61	in	DAT	LOIGINEL		412124

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PROJECT	NAME	DTEN	ON FABAVEL 15	A24 GV	PRE	PARED		CHE	CKED
PROJECT	NUMBE	R: 55393	1.0001 0000	BY	ER		3/24 BY	AW	DATE4/3/25
SAMPLE	ID: M	0. 1	OIF	WELL DIAM	ETER 7	2" 4"		HER	
WELL MAT		FIPVC	SS IR		VANIZED S			HER	
SAMPLE T	YPE	GW				EACHATE		HER	
PHR	GING	TIME	DATE			MPLE		235	DATE \$ 22
	-	PUMP	BLADDER PUMP (-	the second se	0.89			i to umhos/
PURGE		BAILER	BLADDER POMP (DEMONTED		-4.5		12	ng/L
DEPTH TO	D WATER	Dratatis	T/ PVC	-	TURBIC		NTU		
	BOTTON	1	T/ PVC	1	NON			MODERATE	VERY
WELL VOL	UME		HAERS D	GALLONS	TEMPER		1.4 0	OTHER	
VOLUME	REMOVED	A	THRS D	GALLONS	COLOR	Clev		QDOR	NON
COLOR		111	ODOR		FILTRAT	E (0.45 um)	YES	NO	
1.0		[JUF	BIDITY		FILTRAT	E COLOR		FILTRATE O	DOR
NONE	🗌 SL		MODERATE	VERY	QC SAN	MPLE MS	5/MSD	DUP-	
DISPOSA	L METHOD	GROU		OTHER	COMME	NTS			
TIME	PURGE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERAT	URE WATER	
-	(ML/MIN)	(SU)	(umhos/cm)	(mV)	(mg/L)	(NTU)	(°C)	(FEET	
		1							INITIAL
						/	/		
			1		-	/			
			(DA	3AN	DIE	-	-		-
		1	710	- NN	1-		-		
			· ·	Ski				-	_
		/		-					
	/				-		-		
/	/								
-							1		_
NO	TE: STAB	LIZATION	EST IS COMPLETE	WHEN 3 SI	UCCESSIVE	READINGS	ARE WITHIN	THE FOLLOW	VING LIMITS:
pH: +/-			10 % ORP +/-			TURB +/-			TEMP +/- 0.5
BOTTLES	S FILLED	PRESERV	ATIVE CODES A-	NONE	B - HNO3	C - H2SO4	4 D - Nac)H E	HCL F
	SIZE	TYPE	PRESERVATIVE			-	TYPE	T	ATIVE FILTERE
NUMBER					and the second sec	U.L.		- ALOLINY	
NUMBER	250 mL	PLASTIC	A						
	250 mL	PLASTIC							
1	250 mL	PLASTIC	В	V V	N				
1					N N				

DATE SHIPPED 4/2/24

SIGNATURE

AIRBILL NUMBER

DATE SIGNED

4/3/24

COC NUMBER

SHIPPING METHOD Courier

REVISED 04/2019

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PAGE 15 OF 17

PROJECT NAME	DTE N	NON FAB/VE	L 1SA24 GV	F	REPARED		CHE	ECKED
PROJECT NUME	3ER: 55393	1.0001.0000	E	ASR.	JJ DATE	2/24 BY	JK	DATE 4-3-24
SAMPLE ID:	11-11	-07	WELL D	IAMETER [J 2" 4" [6" OTH	ER	
WELL MATERIAL	PVC	SS C		GALVANIZE	STEEL	ОТН	ER	
SAMPLE TYPE	GW	WW [SW D		LEACHATE	ОТН	ER	
PURGING	TIME R	45 0	ATEG/2/2/24	1	SAMPLE	TIME 142	2	DATE 4/2/24
PURGE METHOD			MP (BEDICAT	ED) PH			TIVITY 15	87 umhos/cn ng/L
DEPTH TO WATE	R +7.23	T/ PVC		TUR	BIDITY 3.8	P NTU		
DEPTH TO BOTT	OM MM	T/ PVC		X N	ONE SI		MODERATE	VERY
WELL VOLUME	122,5	LITERS	GALLON	S TEMP	PERATURE	1.9 °C (THER _	-
VOLUME REMOV	ED 6	LITERS	GALLON	S COLO	DR Lleo		DOR _	None
COLOR G	Tay	0	DOR NONe	FILTR	ATE (0.45 um)	YES	R NO	
		BIDITY MODERATE	VERY			s/MSD	DUP-	OR
DISPOSAL METH	_		7.		MENTS: Flog	o sate -	2.5 60	el min
TIME PURG	, PH	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	MATER	CUMULATIVE PURGE VOLUME (GAD OR L)
1355 2.5	-	1600	7.4	1.89	aler	11.6	NA	WITHAL-25
BSP 1	7.00	1591	-1.9	1.78	51.5	11.4	1	32.5
		.)/.	11/		00.0	1111		112
1401	760	15PD	-44	1.76	172	11.5		40
MOI	7.00	1588	-4.4	1.76	17.2	11.5		47.5
1401	7.01	1589	-62	1-74	9.23	11.6		47.5
MOI	7.01	1589	-62 -7.0	1-74	9.23 7.95	11.6		
1401 1404 1407 1410	7.01 7.01 7.01	1589 1593 1586	-62 -7.0 -9.0	1-74 1.73 1.73	9.23	11.6		47.5
1404 1404 1407 1410 1413	7,01 7.01 7.01 7.02	1589 1593 1586 1583	-62 -7.0 -9.0 -10.6	1-74 1.73 1.73 1.73	9.23 7.95 5.11 5.99	11.6		47.5 60 72.5 85
1401 1404 1407 1410	7.01 7.01 7.01	1589 1593 1586	-62 -7.0 -9.0	1-74 1.73 1.73 1.72 1.72 1.71	4.23 7.95 8.11	11.6		47.5 60 72.5

ALL ADDRESS AND DESIGN.

CARENI FLOC

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

pH: +/- 0.1 COND.: +/- 10 % ORP. +/- NA DO.: +/- NA TURB. +/- 10 % or </= 5 TEMP.: +/- 0.5°C

BOTTLES	FILLED	PRESERV	ATIVE CODES	A - 1	NON	E	Β-	- HNO3	C - H2SO4	D - NaC	H E - HCL	F
NUMBER	SIZE	TYPE	PRESERVAT	TIVE	FIL	TERE	D	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	250 mL	PLASTIC	А	[Y	1	N					Y N
1	250 mL	PLASTIC	В	[Y	~	N					Y N
1	60 mL	PLASTIC	А	[Y	1	N	1.				Y N
				C	Y		N					Y N
					Y		N					Y N
SHIPPING METHOD Courier		D	DATE SHIPPED 4 224						AIRBILL NUMBER:			
	COC NUMBER _		S	SIGNATURE: A-wlink					N	DATE SIGNED 4/3/24		

REVISED 04/2019

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P5 16 of 17 Environment Testing N - None 0 - AshaO2 0 - Na2045 0 - Na2045 8 - Na2500 8 - Na25200 5 - H2504 1 - TSP Dodecahydrat U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Special Instructions/Note: Ver: 01/16/2019 Atte Hexane Months company Unedmi Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Leb Achive For Month COC No: 240-119148-41639.1 reservation Codes C eurofins A - HCL B - NaOH C - Zh Aceitate D - Nitrio Acid D - Nitrio Acid F - MeOH F - MeOH F - Aecorbic Acid G - Amchior Page 1 of 1 I - Ice J - DI Water K - EDTA L - EDA X Total Number of containers 20 mo mm mmm 2 N TW ate/Tipe ate/Time: lethod of Shipmen irrier Tracking No(s); State of Origin: Analysis Requested ooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements Lab PM. 2 Brooks, Kris M E-Mait: Kris Brooks@et.eurofinsus.com 6100 Bo, 6020A Ca & Fe 0 sceived by: ceived by: ceived by: 1056A_28D - Chloride, Fluoride and Sulfate z Chain of Custody Record Saloc_Calcd - TDS z Perform MS/MSD (Yes or No) ZN 2 2 2 Z 2 2 2 Time: Field Filtered Sample (Yes or No) 2 2 2 BT-Tissue, A-Nr Preservation Code: Matrix (www. Water 24L ompany 15.7550 unpany Stanled Radiological Sample Type (C=comp, G=grab) Standard 10 Day PWSID: 0 0 0 0 5 5 0 0 1640 Sample Time r957 135 12421 1422 A. whalen 1239 1215 1117 1 Date: Unknown TAT Requested (days): **Due Date Requested:** Date/Time: Date/ Sample Date 412174 EDD Project #: 24016830 SSOW#: PO#: 214270 bate/Time: Date/Time Impler #ON Doison B 120 Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Phone (330) 497-9396 Phone (330) 497-0772 Custody Seal No.: Phone: 313-971-7080(Tel) 313-971-9022(Fax) 10% Flammable Project Name: CCR DTE Monroe Plant FAB/VEL Company: TRC Environmental Corporation. Possible Hazard Identification CScieszka@trccompanies.com **Eurofins Cleveland** Empty Kit Relinquished by: 180 S. Van Buren Avenue **Client Information** 1540 Eisenhower Place Barberton, OH 44203 Sample Identification and Non-Hazard Client Contact: Chris Scieszka State, Zp; MI, 48108-7080 nquished by: nquished by yd berlaup MW-16-02 MW-16-03 MW-16-01 MW-16-04 MW-16-05 MW-16-06 Ann Arbor MW-16-07 DUP-01

Phone (330) 497-9396 Phone (330) 497-0772						
Client Information	Sampler TASSO	Brook	Lab PM. Brooks, Kris M	Carrier Tracking No(5)	COC No: 240-119148-41639.1	
Cient Contact Chris Scieszka		4729 E-Mait	E-Mait Kris Brooks@et.eurofinsus.com	State of Origin: A.A.	Page 1 of 1	
Company TRC Environmental Corporation.			Analysi	Analysis Requested	, a dou	
Address 1540 Eisenhower Place	Due Date Requested:				Cod	
City Ann Arbor	TAT Requested (days):					
State, Zip: MI, 48108-7080	Compliance Project: A Yes A No	A Day	•			8
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO# 214270				F - MeOH S - H2SOA G - America T - TSP De H - Association Acid	decarrydrate
Email CScieszka@trccompanies.com	WO #		(on			
Project Name. CCR DTE Monroe Plant FAB/VEL	Project #: 24016830		Fluori		L-EDA	(hectly)
	SSOW#:		y) asi sat		of col	
	Sample	1	2014 Filtered : erform MS/M 40C_Caled - 7 56A_28D - 61 70D Bo, 6020		19dmuń leśc	
Sample Identification	Sample Date Time G	-	Z 30 Z 32 Z 52		E Special Instructions/Note	s/Note:
MP-001F	MAN WANT	-	X		~	
	~~~~	Water				
		Water				
		Water				
		Water				
		Water				
		Water				
		Water				
		Water				
		Water				
			Sample Disposal ( A fee m	ay be assessed if samp	Sample Disposal ( A fee may be assessed if samples are retained ionger than 1 month)	
Possible Hazard Identification	Diso	ological	Return To Client Disp Special Instructions/QC Requirements	Disposal By Lab	Archive For Months	\$2
	KC END BIL		line	Method of Shipment	ment	
Empty Kit Relinquished by:	Date/Times		Received by / ///	()). Dat	0	
Rainquistred by Reinquistred by Reinquistred by	24/2/14/ UEIO	Company	Received by:	VIII Dat	321	去心
Railinguished by:	Date/Time:	Company	Received by:	Dart	Data/Time: Company	
			Cooler Termenthingle) "C and Other Remarks	d Other Remarks		

PAGE ____ Of <u>-4</u> 16 (HS)

# **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
	Semiannual Groundwater Sampling
PURPOSE OF FIELDWORK:	
•	• • • • • • • • • • • • • • • • • • •
	Elric Rinehart, Javier Jasso
WORK PERFORMED BY:	
	·

10/22/2-1 DATE SIGNED

<u>Ду 11-4-24</u> DATE снескео ву

**REVISED 04/2019** 

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PROJECT NAME:	DTE MON FAB/VEL 2SA	24					
PROJECT NO.:	553931.0001.0000	SAMPLER NAME: Erric Rinehart, Javier Jasso					
WATER LEVEL MEASU	JREMENTS COLLECTED WITH	· · · ·					
HEF	RON DIPPER-T	PROJECT DEDICATED					
NAME AND MODEL OF IN	ISTRUMENT	SERIAL NUMBER (IF APPLICABLE)					
PRODUCT LEVEL MEA	SUREMENTS COLLECTED W	ITH:					
	NA	NA					
NAME AND MODEL OF IN	ISTRUMENT	SERIAL NUMBER (IF APPLICABLE)					
DEPTH TO BOTTOM O	F WELL MEASUREMENTS CO	DLLECTED WITH:					
	NA	. NA					
NAME AND MODEL OF IN	ISTRUMENT	SERIAL NUMBER (IF APPLICABLE)					
PURGING METHOD							
	PUMP (DEDICATED)	PROJECT DEDICATED					
NAME AND MODEL OF P	UMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)					
SAMPLING METHOD							
BLADDER	PUMP (DEDICATED)	PROJECT DEDICATED					
NAME AND MODEL OF P	UMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)					
GEOTECH	DISPOSABLE FILTER	0.45 MICRON					
NAME AND MODEL OF F	ILTERATION DEVICE	FILTER TYPE AND SIZE					
DEDICA	TED POLY TUBING	LOW-FLOW SAMPLING EVENT					
TUBING TYPE							
PURGE WATER DISPO	DSAL METHOD	· · · · · · · · · · · · · · · · · · ·					
DECONTAMINATION A	ND FIELD BLANK WATER SO	DURCE					
ST	ORE BOUGHT	STORE BOUGHT					
POTABLE WATER SOUR	RCE	DI WATER SOURCE					

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PAGE <u>3</u> OF <del>21</del> 16 (HS)

# ○ ◇ TRC

## **GENERAL NOTES**

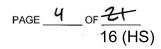
PROJECT NAME:	DTE MON FAB/VEL 2SA24 GV	DATE: Oct 21	,2024	TIME ARRIVED: 8-20
PROJECT NUMBER:	553931.0001.0000	AUTHOR: ERIL		TIME LEFT: +++ 1710

WEATHER TEMPERATURE: 55 °F VISIBILITY: Sound WIND: 7 MPH WORK / SAMPLING PERFORMED MU-16-07, MW-16-02, MW-16-03, MW-16-05, MU-16-04 Collect puter levels

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Sorface swaple site bey	Notify PM
'	

	· ·	COMMUNICATION
NAME	REPRESENTING	SUBJECT / COMMENTS
Suson	DTE	Site access contact

INVESTIGATION DERIVED WASTE SUMMARY WASTE MATRIX QUANTITY COMMENTS Www-Purge to NIM ground 2 11-4-24 DATE <u>Oct. 21,8029</u> DATE CHECKED BY SIGNED





# **GENERAL NOTES**

PROJECT NAME:	DTE MON FAB/VEL 2SA24 GV	DATE: 10/22/24	TIME ARRIVED: 6.50
PROJECT NUMBER:	553931.0001.0000	AUTHOR: ER, JJ	TIME LEFT: 1220

					WEATHE	P				
					MEATINE					
TEMPERATURE:	47	°F	WIND:	2	MPH		VISIBI	LITY: <u>5</u>	inny	
			WC	ORK / SA	MPLING	PERFORMED				
Sumple	М	い-16	-01		MW-	16-06		MW.	-8s	BAI
7	-			'						

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

		COMMUNICATION	
NAME	REPRESENTING	SUBJECT / COMMENTS	
Sason	DTE	Site access on tect	

	INVESTIG	ATION DERIVED WASTE SUMMARY
WASTE MATRIX	QUANTITY	COMMENTS
Water	NM	Purge to grosse
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	
	. 1	

SIGNED IS/ec/eq DATE CHECKED BY DATE

PAGE <u>5</u> OF <del>21</del> 16 (HS) TRC WATER QUALITY METER CALIBRATION LOG ER, JJ SAMPLER: PROJECT NAME: DTE MON FAB/VEL 2SA24 GW Sampling MODEL: THE YSE DATE: Oct Cl, 24 - Oct 22, 2024 PROJECT 553931.0001.0000 PROJECT NO .: SERIAL #: SPECIFIC CONDUCTIVITY CALIBRATION CHECK PH CALIBRATION CHECK CAL. READING TEMPERATURE pH 7 pH 4 / 10 (LOT #): 46F1173 (LOT #): 46-F0044 (LOT #): 4 C. HOKO CAL CAL. TIME TIME RANGE RANGE (EXP. DATE): Jun /26 (EXP. DATE): Aug 25 POST-CAL READING STANDARD (EXP. DATE): JUN /26 (°CELSIUS) POST-CAL. READING / STANDARD POST-CAL. READING / STANDARD 1277 /1277 17.02 4.01 4.0 9:20 15/21 7.01 10/11 19.7 930 10/20 1169. WITHIN WITHIN 11167 Z 7.04 17.04 15.3 1 740 4.0 10/12 750 RANGE WITHIN 1 WITHIN 1 1 **ORP CALIBRATION CHECK** D.O. CALIBRATION CHECK TEMPERATURE CAL. READING TEMPERATURE CAL. READING (LOT #): CYALOO J43 CAL. CAL. (°CELSIUS) TIME TIME (EXP. DATE) 29 - 01 - 14 RANGE RANGE (°CELSIUS) POST-CAL. READING / STANDARD POST-CAL, READING /SATURATED AIR WITHIN RANGE  $\square$ 18.85 19.5 8.85 224 /224 925 10/21 9:35 Idzi 26 WITHIN WITHIN 145 19.65 77.7.51 227.5 15.8 9.65 10/22 15.8 Ha 785 RANGE WITHIN WITHIN 1 1 RANGE 1 1 COMMENTS TURBIDITY CALIBRATION CHECK CALIBRATION READING (NTU) AUTOCAL SOLUTION STANDARD SOLUTION (S) (LOT #): (LOT #): (LOT #): CAL. LIST LOT NUMBERS AND EXPIRATION DATES TIME UNDER CALIBRATION CHECK RANGE (EXP. DATE): (EXP. DATE): (EXP. DATE): POST-CAL. READING / STANDARD POST-CAL. READING / STANDARD CALIBRATED PARAMETERS CALIBRATION RANGES (1) 10/11 10 RANGE Ø +/- 0.2 S.U. д 1 pН pH: 1 0 10 950 RANGE 10 19/22 1 COND +/- 1% OF CAL. STANDARD 0 1 COND: 0 10  $\Box$ ORP +/- 25 mV 1 1 ORP  $\square$ 1 1 D.O. D.O.: VARIES TURB TURB: +/- 5% OF CAL. STANDARD NOTES 10/21 -10/22 Cu Motte 2020 T ⁽¹⁾ CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER PROBLEMS ENCOUNTERED CORRECTIVE ACTIONS 10/23/24 DATE 11-4-24 DATE CHECKED BY SIGNED



## WATER LEVEL DATA

PROJECT NAME:	DTE MON	FAB/VEL 2SA24	GW Sampling		DATE:	10/22/24	
PROJECT NUMBER:	553931.00	01.0000				R: ER, JJ	
WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPT BOT (FE	том	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-16-07	9:45	Coaye	1.25 si	DN	М		+4. 5875
MO-16-01	10:18	TOC	4.94				
M12-16-06	10:30	TOC	1.15				
MU2-16-02	1040	Gauge	0.42 , si				+ 2.4702
MW-16-03	10:65	Gauge	3.79 psi				+ 10.2549
MW-16-05	1120	Gauge	4.65 psi				+ R. 2415
M62-16-04	#35-	Cauge	2.24 psi				+6.6744
MP-001F	Dry	- KO	water	<u> </u>	<u> </u>	sumple	
MW-16-04	1337	Gauge	4.09 psi				+10.9479
BAT MO-85	1125	Toc	14:1	U.		(HS	
	_						') T
				1		*	
			-				
							e

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR

10/23 24 SIGNED DATE

1-4-29 DATE / CHECKED

PAGE ______ OF _____

#### 7 of 16 (HS) TRC WATER SAMPLE LOG DTE MON FAB/VEL 2SA24 GV CHECKED PROJECT NAME: PREPARED DATE: 12/16/24 DATE: 10/21/24 BY: HS PROJECT NUMBER: 553931.0001.0000 BY: ER, JJ WELL DIAMETER: 🗹 2" 🛄 4" 🛄 6" 🛄 OTHER SAMPLE ID: HW~16-07 IRON GALVANIZED STEEL WELL MATERIAL: 🔽 PVC 🗌 SS OTHER SAMPLE TYPE: GW WW SW DI LEACHATE OTHER DATE: 19/21/24 PURGING SAMPLE TIME:/253 DATE: 10/21/24 TIME: /3/( PUMP BLADDER PUMP (DEDIGATED) PH: 7.02 SU CONDUCTIVITY: /100 umhos/cm PURGE METHOD: □ BAILER artesian (HS) ORP: -4/.5 mV DO: 0.28 mg/L DEPTH TO WATER: _NM _ T/ PVC (HS) TURBIDITY: 1.78 NTU NONE SLIGHT MODERATE DEPTH TO BOTTOM NM VERY T/ PVC LITERS GALLONS TEMPERATURE: 13.0 °C 212 WELL VOLUME: OTHER: COLOR: Clenr VOLUME REMOVED: GALLONS ODOR. ¥e s NO (HS) 309 gal (HS) DOR: 44, Clouds COLOR: FILTRATE (0.45 um) YES (HS) TURBIDITY FILTRATE COLOR: FILTRATE ODOR: **NONE** SLIGHT MODERATE VERY QC SAMPLE: MS/MSD DUP-COMMENTS: Open DISPOSAL METHOD GROUND DRUM OTHER 9:45 0 PURGE WATER CUMULATIVE CONDUCTIVITY TURBIDITY TEMPERATURE 1gul pur TIME PH ORP D.O. RATE PURGE VOLUME LEVEL 1.5 min (SU) (ML/MIN) (umhos/cm) (mV) ( mg/L) (NTU) (GAL OR L) (°C) (FEET) -HNIT 282 g 2 gal por - 6 295.5 g 3 mm 1.5 gpm 7.02 1898 -14.9 2.53 1253 +0.24 NI 13.1 1899 -30.1 10.27 1.29 7.02 13.0 1502 <del>/e</del> 309 g -41.5 7.02 1100 +0.28 1.78 1311 13.0 (HS) NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: COND.: +/- 10 % ORP: +/- NA pH: +/- 0.1 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 - ____ PRESERVATIVE NUMBER SIZE TYPE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 250 mL PLASTIC 1 А V N ٦IY в ΠIY ΠN 1 250 mL PLASTIC 60 mL PLASTIC А Υ ν γIΓ 1 ΠY Πlγ SHIPPING METHOD: Courier DATE SHIPPED: AIRBILL NUMBER: 14/22/24 COC NUMBER: SIGNATURE: DATE SIGNED:

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## WATER SAMPLE LOG

PROJECT	NAME:	DTE M	ION FAB/VEL	2SA2	4 G			PF	REP	ARED			C	HECH	KED			]
PROJECT		R: 55393	1.0001.0000			BY:		ER, JJ		DATE:10/2	u/e4	BY:	HS		DATE:	12	/16/	¹ 24
SAMPLE	ID: MID	- 16- 00	7	V	VELL	DIAN	ΛET	ER: 🗸	2"	4"	6"	] отн	ER					Ī
WELL MAT		PVC	ss 🗋	IRON		GA	LVA	NIZED	STE	EL	Г	] отн	ER		alaa aykalaa goo aana da goo			1
SAMPLE T	YPE:	⊡ GW		SW		DI			LEA	CHATE		] отн	ER					
PUR	GING	TIME: / 41	5 ⁻ DA	TE:10	1/21/	24		5	SAM	PLE	TIME:	143	6	DA	TE:n/	21/3	*	]
PURGE METHO			BLADDER PUN artesian	/IP (DE	EDIC.		<del>)</del>			04 S				1980	4		ios/cm	4
		BAILER			/	-		ORP:		<u>.0</u> m Y: <u>1.89</u>			t0, 19	mg/	'L			-
			<u>T/ PVC (H</u>	5) _						r: <u></u> ∠ s⊔		_	MODERA	TE		VEF	v	
	BOTTOM		T/ PVC		ALLO					-	the dust does not a bank				L	VER	(1	-
WELL VOL										TURE: /1	0.9		OTHER:		41	1		-
COLOR:	Curt			OR: 2						Clem-	 YE		ODOR:		light			-
COLOR:		1		OR: 1	×°°*	-				·		<u> </u>			[			-
		GHT	BIDITY MODERATE			RY		QC S	AMP			]			K:	_		-
DISPOSAL	L METHOD	GROUN			THE	R		COM	MEN	^{TS:} Open (	ට /	040	24	5,	ml p	~ ,	hin .	20
TIME	PURGE RATE	PH	CONDUCTIVITY		ORP			D.O.		URBIDITY		ERATU		TER VEL	CUN			]
	(ML/MIN)	(SU)	(umhos/cm)		(mV)		(	mg/L)		(NTU)		(°C)		ET)		AL OF		
14 15	245	7.02	1978	66	. 4		ю.	27	2	. 2	13	7			I	NITIA	Ľ.	13.9 ⁻
1420		7.04	1979	48	ř. 1		+0	>. (	2.	74	13.	ବ			1.	22	5	14.23
1425		7.04	1977	4	1.1		+0	.15	3.	93	13.	9			2.	45	-	14.56
1450	10	7.04	1984	30	5. 0	)	+0	. / 1	3.	. 89	13	. 9			3	. 6 :	25	14.88
																		(H
																		1 (11
				1					1									-
																		-
				1			+		1									-
									+									-
							1				l							1
NO pH: +/-			EST IS COMPL 10 % ORP:							EADINGS / TURB: +/-					g limi Temp.:		0.5°C	
	S FILLED	PRESERV	ATIVE CODES	A - N	IONE			HNO3		C - H2SO4		NaOH			L F.			1
NUMBER	SIZE	TYPE	PRESERVAT	IVE	FIL	ERE		NUM				PE	PRESE				RED	1
1	250 mL	PLASTIC	A ·		Y	$\checkmark$	N									] Y		1
1	250 mL	PLASTIC	В		ΓY		N									ΙY		-
1	60 mL	PLASTIC	A		Γ	D	N									] Y		-
							N											
						Б	N									]   Y		-
SHIPPING	METHOD:	Courier		ATE S	HIPP	ED:	1	1			AI		UMBER:		1	-	1	า๋
COC NUM		Courier		GNAT				//	2 11	NA-		TE SIC			ola	1		-
	DER.		15	GINAI	ORE		1	4	ľÝ	1	U/	15 210	DIVED.		4/22	124	r .	_1

PAGE <u>13 OF 21</u> 9 of 16 (HS)

# WATER SAMPLE LOG

PROJECT	NAME:	DTE M	ON FAB/VEL 2	2SA24 GV		PRI		RED				HECKE			
ROJECT	NUMBER	: 553931	.0001.0000	BY	:	ER, JJ	[		1/24	BY:	IS	DA	_{ATE:} 12	2/16/2	24
SAMPLE I	D: MW	- 16-03	3	WELL DIA	MET	ER: 🗸	2"	4"	6"	OTHER					
VELL MATE		✓ PVC	Contraction of the Contraction of the Contract of the Contract		LVA	NIZED S	TEE	L		OTHER					
SAMPLE TY	PE:	√ GW	ww 🗆	SW 🗌 DI			LEA	CHATE		OTHER					
PURG	SING	TIME: 14	57 DA	TE:10/21/24		S	AM	PLE	TIME:	1518		DATE	10/21/	121	
PURGE		PUMP	BLADDER PUM	P (DEDICATE		PH:	7.			NDUCTI		2038	um	nhos/cm	
METHOD			artesian (I			ORP:	~7	• <b>%</b> m	V DO	£.	490	mg/L	+ 0.2	9	
DEPTH TO	WATER:	NM	T/ PVC (HS	5)				2.49	_						
DEPTH TO	BOTTOM	NM	T/ PVC								DDERA	ATE		RY	
VELL VOLU		_7		GALLONS					2.5	°C 01	HER:				
VOLUME R				GALLONS				Clen			DOR:	راد (HS)	440	-	
COLOR:	Clos			OR: Stight	_			0.45 um)		s +2	NO	()	1		
NONE	🗍 SLI		BIDITY MODERATE			FILTRA		OLOR:	/MSD	FI	ltrat 1 dup	E ODOR:			
								'S: Open			] 00.				
·····	PURGE				T			· · · ·			l wa	TER	CUMUL	ATIVE	1
TIME	RATE	PH	CONDUCTIVITY	ORP		D.O.		JRBIDITY		ERATURE	LE	VEL P	URGE V	OLUME	
	(M <del>L</del> /MIN)	(SU)	(umhos/cm)	(mV)	-	mg/L)		(NTU)	12.	(°C) <b>7</b>	IV.		(GAL C	IAL242	d -
457	1 grm	7.03	2033	20.8		1.15 . 20		5	12.					-249	
1504		1.04 7.05	2034 2035	4.9				an extend of the sector of							٢
1511	-1-			-2.6		0.25		.49	12.			6		256	T I
1518	V	7.04	2 = 38	-7.8		0.21	2	. 7 ]	12.	5		<u> </u>	<u>C</u> +	- 263	<u>ا</u>
															(⊦
											_				
															·
															-
			EST IS COMPL										LIMITS: EMP.: +/		
pH: +/-		COND.: +/-	10 % ORP:	+/- NA	D.O.	: +/- NA		TURB: +/-							1
BOTTLES			ATIVE CODES		_	- HNO3		C - H2SO4		NaOH		E - HCL		_	
NUMBER	SIZE	TYPE	PRESERVATI		_	NUME	BER	SIZE	TY	PE F	RESE	RVATIVE			-
1	250 mL	PLASTIC	A		_										-
1	250 mL	PLASTIC	В								a dada kashari sa sa sa sa sa				-
1	60 mL	PLASTIC	A		-+-				<u> </u>						-
,									ļ						-
			1		Л				<u> </u>						ļ
SHIPPING	METHOD:	Courier	D/	ATE SHIPPED	):			~	All	RBILL NU	JMBER				-
COC NUM	BER:		SI	GNATURE:	1	1	2]	HA	D/	TE SIGN	IED:	10/	22/29	¥	

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_{PAGE} <u>14 OF</u> <del>71</del> 10 of 16 (HS)

# WATER SAMPLE LOG

PROJECT	NAME:	DTE M	ON FAB/VEL	2SA24	GV	PF	REPARED		C	CHECK	
PROJECT	NUMBEF	R: 55393	1.0001.0000		BY:	ER, J	DATE: 10/2	1/21 BY:	HS		_{DATE:} 12/1
SAMPLE I	D: MW	- 16-	05	WEI	LL DIAN		2" [] 4" [	] 6" 🗌 ОТ	HER		
WELL MAT	ERIAL:	✓ PVC		IRON	GAL	VANIZED	STEEL	🗌 от	HER		, <u>1997</u> , 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997
SAMPLE T	YPE:	√ GW		SW	DI 🗌		LEACHATE	🗌 от	HER		
PURC	JING	TIME: 13	5 <b>39</b> DA	TEis/21	121		SAMPLE	TIME: 159	8	DA	TE: 10/21/2
PURGE		PUMP	BLADDER PUM	P (DED		<del>))</del> PH:	7.06	SU CONDL	CTIVITY:	19/	2 umhos
METHOD	L	BAILER	artesian (			ORP	-57.9 r	nV DO:	+0.21	r mg/	<u>L</u>
DEPTH TO	WATER:	<u>NM</u>	T/ PVC (HS	5)		TUR	BIDITY: 1.3				
DEPTH TO	BOTTOM		T/ PVC				DNE 🛛 SL	IGHT	MODER	ATE	
WELL VOL		7.5	/		LONS	_	ERATURE: /		OTHER:		
VOLUME F	REMOVED			GAL			DR: <u>Clan</u>		ODOR:	<u>, у</u> -(НS	) )
COLOR:	Clos	dy	OD	OR: <u>\$/</u>	ight	FILTE	ATE (0.45 um)	YES	12 NO	-	/
	_		BIDITY	_			ATE COLOR:		FILTRA		
NONE			MODERATE		VERY					P- <u>0</u>	<u> </u>
DISPOSAL	. METHOD	GROUI			IER	COM	MENTS: Ope.	n@ 1/20	>		
TIME	PURGE RATE	PH	CONDUCTIVITY	OF		D.O.	TURBIDITY	TEMPERAT		ATER EVEL	CUMULATIV PURGE VOLU
1	( <del>ML</del> /MIN)	(SU)	(umhos/cm)	(m		( mg/L)	(NTU) 3.83	(°C) /2.4	(F	EET)	GAL OR L
	10 gr~	7.05		-16.	a series of a same in such the	0.42					
15 42		7.65	1912	-39.		6.08	2.09	12.3			-30gat
15 45		7.05		-62			1.44	12.3			-66gt
19 48		7.06	1912	-57.	1	to.20	1.35	12.4			-96 gal
NO	TE: STABI	LIZATION 1	EST IS COMPL	ETE WH	HEN 3 S	UCCESS	VE READINGS	ARE WITHIN	THE FOL	LOWIN	G LIMITS:
pH: +/-	0.1	COND.: +/-	10 % ORP:	+/- NA	D	.O.: +/- N	A TURB: +/	- <b>10</b> % or	= 5</td <td></td> <td>TEMP.: +/- 0.5</td>		TEMP.: +/- 0.5
BOTTLES	S FILLED	PRESERV	ATIVE CODES	A - NO	NE	B - HNO	3 C - H2SO	4 D - NaC	н	E - HC	L F
NUMBER	SIZE	TYPE	PRESERVATI	VE F	ILTERE	D NUN	BER SIZE	TYPE	PRESE	ERVATI	
1	250 mL	PLASTIC	A		YV	N					
1	250 mL	PLASTIC	В		ΥV	N					
1	60 mL	PLASTIC	A		ΥV	N					
					ΥD	N					
					ΥD	N					
	METHOD:				PPED:	<u> </u>		AIRBILI		<del>۲</del> :	
SHIPPING				VIE SHI							

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## WATER SAMPLE LOG

PROJECT	NAME:	DTE M	ON FAB/VEL	_ 2SA24 GV		PRE	PARED			CHEC	KED	7
PROJECT	NUMBER	R: 55393	1.0001.0000		BY:	ER, JJ	DATE: 10/2	1/24	BY: HS	6	DATE: 12/16	24
SAMPLE I		> - /6 - 6 √ PVC	The state of the second s	WELL I			2" 🗌 4" 🗌 TEEL	6"	OTHER OTHER			
SAMPLE T	YPE:	√ GW		] sw 📋	DI	<u> </u>	EACHATE		OTHER			
PURC	BING	TIME: 46	3+ 0	DATE: 10/21/	1	SA	MPLE	TIME:	1621	D	ATE: 10/21/24	
PURGE METHOD			artesian				<b>7. 09</b> S -/69. 2 m			E7 mg		m
DEPTH TO	WATER:	NM	T/ PVC (H	S)		TURBIE	OITY: (.3	Z NTU	J			
DEPTH TO	BOTTOM	10M	T/ PVC							DERATE	VERY	
WELL VOL	UME:			GALLO			RATURE:	1.9				_
VOLUME F				GALLO	NS		: <u>Cleur</u>			NO (HS	<i>ics</i>	_
COLOR:	Close	4	0	DOR: 463		FILTRA	E (0.45 um)				») +	
	_		BIDITY				E COLOR:			TRATE OD	OR:	_
	🗌 SLI		MODERATE				MPLE: 🗌 MS			DUP-		_
DISPOSAL	METHOD	GROUI			र	COMM	ENTS: Gpen	e	1337			
TIME	PURGE RATE ( <del>ML</del> /MIN)	PH (SU)	CONDUCTIVIT	Y ORP (mV)		D.O. mg/L)	TURBIDITY (NTU)		ERATURE	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUM (GAL OR L)	E
HIZ	70gpm_	7.05	1942	-121.4		2.81	1.43	12.		NM	-INITIAL 3	 100 c
1615	w.gr.a	7.08	1758	-141.4		0.07		11.		1	66 316	
16/8		7.08	1954	-156. 6	+ 0	0.21	1.56	11. 9	î		-20 322	
1621	V	7.09	1936	-169.2	+	0.21	1.32	11. 1		$\langle \cdot \rangle$	<del>/ 80</del> 328	19
												(H
												-
NO pH: +/-		LIZATION T	EST IS COMP	PLETE WHEN		CESSIVE	E READINGS / TURB: +/-		THIN THE or =</td <td></td> <td>NG LIMITS: TEMP.: +/- 0.5°</td> <td>_</td>		NG LIMITS: TEMP.: +/- 0.5°	_
		1										_
	S FILLED		ATIVE CODES	-		- HNO3	C - H2SO4		NaOH	E - H		-
NUMBER	SIZE	TYPE	PRESERVA		ERED	NUMBE	R SIZE	TY	PR	ESERVA		_
1	250 mL	PLASTIC	Α		ИГ							
1	250 mL	PLASTIC	В	<u> </u>	N							N
1	60 mL	PLASTIC	Α	<u> </u>	V N							N
				Υ	N							V
				ΠY				- <u>*</u>				N
SHIPPING	METHOD:	Courier		DATE SHIPP	ED:			AIF	BILL NUN	IBER:		
							$\sim$	_ [				
COC NUM			5	SIGNATURE:	,	1/1	nA		TE SIGNE	D:	10/22/24	

# WATER SAMPLE LOG

PROJECT	NAME:	DTE M	ON FAB/VEL	2SA24	GV		PR	EPAF	RED				СН	ECKE	ED	
PROJECT	NUMBER	R: 55393	1.0001.0000		В	BY:	ER, JJ	DA		2/2	e BY:	H	S	D	ATE:	12/ ⁻
SAMPLEI	D: MO.	-16-0	1	WE	ELL DI	AMET	FER: 🗸	2"	4"	6"	от⊦	IER				
WELL MAT		✓ PVC		IRON		ALVA		STEEL				IER				
SAMPLE TY	YPE:	√ GW		SW		DI		LEAC	HATE		🗌 отн	IER				
PURG	BING	TIME: 8	os DA	TE:	22/2	1	S	AMP	LE	TIM	E: 82	0		DATE	=: <i>10/</i> 1	2 2/3
PURGE	~	PUMP	BLADDER PUN	IP (DE		ED)	PH:	7.1	S	υ	CONDU	стілі	TY:	684	<u> </u>	umho
METHOD		BAILER							<u>7</u> m			٥,	07	mg/L		
DEPTH TO	WATER:	4.95	T/ PVC				TURBI	DITY:	1.69	1	NTU					
DEPTH TO	BOTTOM	DUM	T/ PVC				🗌 NO	NE	🛛 SLI	GHT		MO	DERAT	E	<u>ب</u>	VER
WELL VOL	UME:	NA		GA	LLON	IS	TEMPE	RATU	IRE: _/	2.7	_°C	ОТН				
VOLUME F				🗌 GA	LLON	IS	COLO	R:	Clen				DR:	A	ر	
COLOR:	Cle		OD		20		FILTRA	TE (0	.45 um)		YES	X	NO (	HS)		
			BIDITY				FILTRA	TE CO	LOR:			FILT	FRATE	ODOR:		
	SLI	GHT 🗌	MODERATE		VER	Y	QC SA	MPLE	: 🗌 MS	S/MSI	D		DUP-			
DISPOSAL	METHOD	GROU	ND 🗌 DRUM	🗌 от	HER		COMN	IENTS	:							
тіме	PURGE	PH	CONDUCTIVITY		ORP		D.O.	TUE	BIDITY	ТЕ	MPERATI	IRE	WAT		CUMU	
	RATE (ML/MIN)	(SU)	(umhos/cm)		mV)		( mg/L)		NTU)		(°C)		LEVI (FEE			i vol L or <b>(</b>
805	360	7.67	(dimios/citi)	138			0. <i>4</i>		82		12.6		4.9			ITIAL
\$10		7.09	1683	112.	and a state of the		0.21	1.6			2.7		5.		1. 5	-
815		7.10	1684	102			.13		42		2. 7		5.		3.	
820	1	7.1	1684	95			5. 07	1.6		T	. 7		5.		4.	
					<u> </u>			1.0								
	-															
								1		1						
										+						
										1			[			
NO pH: +/		LIZATION 1 COND.: +/-	10 % ORP	_ETE W			CCESSIV .: +/- NA		Adings / Urb: +/-						LIMIT	
		· · · · · · · · · · · · · · · · · · ·	ATIVE CODES				- HNO3		- H2SO4		D - NaO			- HCL		
NUMBER		TYPE	PRESERVAT		FILTE				SIZE	-	TYPE	-	ESER			ILTER
1	250 mL	PLASTIC	A		]  Y [[	√ N		+				1				Y
1	250 mL	PLASTIC	В	Ē		л Л				1		1				Υ
1	60 mL	PLASTIC	A			J N	-			+	A	-				Y
					1 _Y											YF
												-				Υ
SHIPPING	METHOD	Couries		ATE SH	HIPPE	D:	1			1	AIRBILL	NUN	BER:			
Suncting	METTOD.	Courier	10			- · ·										

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PAGE <u>17 OF </u>21 13 of 16 (HS)

## WATER SAMPLE LOG

PROJECT	NAME:	DTE M	ION FAB/VEL	2SA24	GV	F	REP	ARED			CHECH	(ED
PROJECT	NUMBER	R: 55393 [.]	1.0001.0000		BY:	ER,	JJ	DATE:10/2	z/er BY:	HS		_{DATE:} 12/
SAMPLE	ID: MIJ	1606		WE	LL DIAN	ETER:	<b>√</b> 2"	4"	6" 🗍 OTH	IER		
WELL MAT		✓ PVC	ss 🗌	IRON	GAL	VANIZE	D STE	EL	Отн	HER		
SAMPLE T	YPE:	⊡ GW		SW	DI	]	LE	ACHATE	🗌 отн	IER		
PUR	GING	TIME: 8	58 DA	TE: (0/2	2/24		SAM	IPLE	TIME: 102	3	DA	TE: 10/22
PURGE METHOD			BLADDER PUM peristaltic	I <del>P (DED</del>	CATEL			06 s			1706	umh
		BAILER	<u>.</u>		<u>/</u>			Y: <b>7.08</b>	V DO: NTU	<u>0. 2 9</u>	mg/	L
DEPTH TO			T/ PVC				NONE			MODE	RATE	
WELL VOL		8.5		GAI	LONS			TURE: 12		ОТНЕ		
VOLUME F	REMOVED	34			LLONS	co	LOR:	Cler		ODOR		icho-
COLOR:		andy	OD	OR: 5	light	FILT	RATE	(0.45 um)	YES	AN	(HŠ	)
			BIDITY			FILT	RATE			FILTR	ATE ODO	R:
	SLI		MODERATE		VERY			le: 🛄 MS			UP	
DISPOSAL	METHOD				HER	CO	MMEN	TS: PM A	wised t	sung	le at	the Tur
TIME	PURGE RATE	PH	CONDUCTIVITY	0	RP	D.O.	Т	URBIDITY	TEMPERAT		NATER LEVEL	CUMULA PURGE VO
	(ML/MIN)	(SU)	(umhos/cm)	(m	nV)	(mg/L		(NTU)	(°C)		(FEET)	(GAL OF
858	400	7.01	1707	30	. 3	1.03	6	6.1	12.8	/	. 35	INITIA
903		7.06	1704	77	.4	0.01		3.2	12.7	/	.18	<b>₽</b> Ĉ.
908		7.06	101	18.	(	200	tic '	97.2	12.7		1.17	4.0
913		7.06	1702	18.		6.11		77.2	12.7	/	.11	6. 0
918		7.06	1700	10.		6.15		10.4	12.7	/	1.19	¥. c
923		7.06	1700	8.	Ч	0.17		2.2	17.7			10.0
928		7.06	1703	11.	8	0.08	6	6.9	12.7		-	12.0
933		7.06	1702	4.	4	0.19	5	7.2	12.7		120	14.0
938	-\'/-	7.06		1.9		6.21		89.1	12.7			16.0
943		7.06	1694	0.3	5	6.2	22	7.4	17.7	/	.21	18.0
NO pH: +/-			10 % ORP:						ARE WITHIN 10 % or			g Limits: Temp.: +/-
BOTTLE	S FILLED	PRESERV	ATIVE CODES	A - NO	NE	B - HN	03	C - H2SO4	D - NaO	н	E - HC	L F
NUMBER	SIZE	TYPE	PRESERVATI	VE F	II TERE	D NU	MBER	SIZE	TYPE	PRES	SERVATI	
1	250 mL	PLASTIC	A		YV	N						ΠY
1	250 mL	PLASTIC	В		YIJ	N						ΠY
1	60 mL	PLASTIC	A		ΥV	N						ΠY
					ΥD	N						ΠY
					ΥD	N						ΓY
SHIPPING	METHOD:	Courier	DA	ATE SHI	PPED:			Δ	AIRBILL	NUMB	ER:	
COC NUM	BER:		SI	GNATU	RE:	11	11	1/1	DATE S	IGNED:	/	Vzz lau

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PAGE <u>17</u> OF <u>11</u> OF <u>16 (HS)</u>

(CONTINUED FROM PREVIOUS PA



### WATER SAMPLE LOG

 PROJECT NAME:
 DTE MON FAB/VEL 2SA24 GV
 PREPARED
 CHECKED

 PROJECT NUMBER:
 553931.0001.0000
 BY:
 ER, JJ
 DATE: 10/12/24
 BY:
 HS
 DATE:
 12/16/24

# SAMPLE ID: MW - 16 - 06

	MU	- 70 -	06						
TIME	PURGE RATE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATURE	WATER LEVEL	CUMULATIVE PURGE VOLUME
	(ML/MIN)	(SU)	(umhos/cm)	· (mV)	( mg/L)	(NTU)	(°C)	(FEET)	(GAL OR L)
948	400	7.06	1698	-1.3	0.22	21.3	12.7	1.21	20.0
953	<u> </u>	7.06	1698	-2.4	60.23	27.7	12.7	-	22
158		7.05	1764	9.5	0.11	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		70
1018	1	7.06	1705	-7.2	0.24	7.13	12.7		32
1023	V	7.06	1706	- 8.0	6.24	7.08	12.7		34
			er for here skort, at the skiller of an inclusion in the skiller	a di nya kasa kagadi padikanan din angga ng Kasa		an transmittering ang di Paryo in andre an Tarant Taran Kanan di Arranya.	a pine dina manda di mana ana a da tana kapata ana da da na da barangan war baraga na a da da a a a a a a a		
			19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -				n forsandrana k Make a departe Minara kan ang ng sebaran dan di kati di		a de la activitada de la alteritada en la constitución de la constitución de la constitución de la constitución
						-	an Al Landings (sealers as y a lander for single for an and sealers (sea source)		
an bahara daga bilan daga bi	-					-	a a an		
	1			-					
					1	**************************************			
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						-			
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	-								
									-
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SIGNATURE:

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DATE SIGNED: 10/22/24

PAGE	-19	OF_	21
			(HS)

# WATER SAMPLE LOG

PROJECT	NAME:	DTE M	ON FAB/VE	L 2SA	24 GI	1		PRE	PARED				CHEC	KED
PROJECT	NUMBER	: 553931	.0001.0000			BY:	(	ER, JJ	DATE	124	BY:	HS	6	_{DATE:} 12/
SAMPLE I	D: MD.	00	F	Y	WELL	DIAM	ETE		<u></u> 4"		ОТН	ER		
WELL MATI			ss [	] IRO	N	GAL	VAN	NIZED ST	TEEL		ОТН	ER		
SAMPLE TY	(PE: -	<u>4</u> -6₩-		] sw		] DI		Ľ	EACHATE		ОТН	ER		
PURG	BING	TIME:	[	DATE:				SA	MPLE	TIME	:		DA	TE:
PURGE METHOD		PUMP BAILER	BLADDER PU	JMP (C	EDIC	ATED	)	PH: _	S				 TY: mg	umhc
DEPTH TO			T/ PVC	/	/	-	┥		ITY:		TU			
DEPTH TO			T/ PVC							GHT		мор	ERATE	
WELL VOL	JME:		LITERS		GALL	ONS		TEMPER	RATURE:		_°C	OTH	ER:	
VOLUME F	REMOVED:		LITERS		GALL	ONS		COLOR				ODO	)R:	
COLOR:	$\rightarrow$		0	DOR:			-	FILTRAT	E Q.45 (unt)	PY	ES		NO	
	$\geq$	<b>•</b>	BIDITY					FILTRAT	E COLOR:			-	RATE ODC	R:
NONE	1		MODERATE				_		APLE: D-MS	MSD			DUP-	
DISPOSAL	METHOD			иП	OTHE	R		COMME	ENTS:					
TIME	PURGE RATE	PH	CONDUCTIVIT		ORP			D.O.	TURBIDITY	TEM		RE		CUMULAT
	(ML/MIN)	(SU)	(umhos/cm)	+	(mV)		(1	mg/L)	(NTU)		(°C)		(FEET)	(GAL OR INITIAI
/	S	- 0	lic	15	F		<u> </u>	20//0	207					
NO pH: +/-		LIZATION T		PLETE P: +/-				CESSIVE +/- NA	E READINGS TURB: +/-					IG LIMITS: TEMP.: +/- (
BOTTLES	S FILLED	PRESERV	ATIVE CODE	<u>S</u> A-	NON		в-	HNO3	C - H2SO	4 C	) - NaOł	4	E - H0	L F
NUMBER	SIZE	TYPE	PRESERVA			TERE	D	NUMBE	R SIZE	Т	YPE	PR	ESERVAT	
1	250 mL	PLASTIC	А			~	N							
1	250 mL	PLASTIC	В		ΠY		N			1				
1	60 mL	PLASTIC	A		Πv	-=	N							
						1=	N N				1911 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 -	ļ		
SHIPPING	METHOD	Courter		DATE		1	1.4	1			AIRBILL		IBER:	
COC NUM		Courier		SIGNA			2	/	0.11/1	F-)-	DATE SI			0/22/74
000 1101				5.5.4/				-6	4-1	-/ 1			<u> </u>	100/14

 $\bigcirc$ 

 $\bigcirc$ 

Eurofins Cleveland 180 S. Van Buren Avenue Barberton, OH 44203	0	Chain o	n of Custody Record	ody R	ecorc	_						🐝 eurofins	S Environment Testing
	Sampler:			Lab PI	Lab PM:				Carrier Tracking No(s)	king No(s):		COC No:	1620 1
Client Information				Brool	cs, Kris M				City of Original			-717071-047	1003.1
Client Contact Chris Scieszka	Phone:			E-Mail Kris.E	E-Mail: Kris.Brooks@et.eurofinsus.com	t.eurofins	us.com					Page 1 of 1	
Company: TRC Frovironmental Comonation.		_	PWSID:				Analysis		Requested			# qor	
	Due Date Requested:											Preservation Codes: N - None D - HNO3	Sodes:
	TAT Requested (days):	(8):									医视镜的		
7080	Compliance Project:	: A Yes A No	No			əj						131.910	
el) 313-971-9022(Fax)	PO#: 214270					etius t							
	WO #:					one ebi						e 10	
Project Name: CCR DTE Monroe Plant FAB/VEL	Project #: 24016830				and the second se	, Fluor					uistu		-
	:#MOSS				.t) ds	abholr					0310	Other:	
đ		Samole	Sample Type (C=comp.	Matrix (www.atar. S=solid.	oc_Caled 'orm MS/M 'or MS/M	0B Bo, 6020 0B Bo, 6020					iodmin ist	iadmuk ist	
Sample Identification	Sample.Date	125	G=grab) BT-Theve. And BT-Theve. And Presenvation (Code)	. Orwasterol. BT-Thaue, AnAr) tion: Code:	iea 🗙	906 Z		に見たい					Special Instructions/Note:
MW-16-01	10/22/24	028	ø	Water				16450100					
MW-16-02	1. 63	14 30 ·	৬	Water		$\sum$							
MW-16-03		1518	8	Water		$\sum$				-			
MW-16-04		1211	ი	Water								- Frank	
MW-16-05	12/12/01	1948	C	Water		$\sum$			-	_			
MW-16-06	10/22/24	1023	Ь	Water		$\square$						10000	
MW-16-07	4	1311	υ	Water		$\sum_{i=1}^{n}$						366.88.87	
DUP-01	10/21/24	)	J	Water		$\leq$						2009 8	
MP-GOT EN				Water								-	
				Water									
								_	_				
Possible Hazard Identification	on B 🗌 Unknown		Radiological		Samp	Return To Client	al (A fee	nay be a	assessed if san Disposal By Lab	f samples /Lab	are retai	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)  Return To Client Disposal By Lab Archive For Moni	n 1 month) Months
					Specie	I Instruct	Special instructions/ dC Kequirements.	aduremen	. 1				
Empty Kit Relinquished by:		Date:			Time:				Meth	Method of Shipment:	÷		Company
C ful I	Date/Time: 10/22/24	241		J.R.	8 9	Received by	S	5	3	Date/Time/ Date/Time/	ec/27	1822	Company
Reinquistred by: Reinquistred by:	Date/Time:	124	12 20	Company		Received by:	200	1		Date/Time:		Lel	Company
Custody Seals Intact: Custody Seal No.:		2 - W. P.			8	oler Tempe	Cooler Temperature(s) °C and Other Remarks:	nd Other Re	emarks:				
0 I CS 0 M0													Ver: 05/06/2024

page 16 of 16 (HS)

PAGE OF 13

# 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

AC 12-9-24 IGNED DATE SIGNED

V lilla CHEGKED BY

# 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

<u></u>		Ň	/EATHEF	2	
TEMPERATURE:	25 °F	WIND: 0-5	MPH	VISIBILITY: <u>Clow</u>	dy /sunny
		WORK / SAM	PLING P	ERFORMED	
Completed and nw.	Verilication 16-04	Somp ling	Ø	mw-16-01, mw-16-02,	MW-16-06
MW-HO					

PROBLE	MS ENCOUNTER	RED		C	ORRECTIVE AC	TION T	AKEN
mw-16-05 and	omw-16-07	ore	Abren	Bought	supplies	Ъ	than anell

		COMMUNICATION	
NAME	REPRESENTING	SUBJECT / COMMENTS	
E. Molnor	DTE	cheek in/out	

	INVESTIG	ATION DERIVED WASTE SUMMARY
WASTE MATRIX	QUANTITY	COMMENTS
prize mater	NM	purged to grown 1

2 12-9-24 DATE SIGNED

n/16 CHECKED BY 



### **GENERAL NOTES**

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

			W	EATHER			
TEMPERATURE:	<b>35</b> °F	WIND:	0-5	MPH		VISIBILITY:	Cheer
		WC	RK / SAM	PLING PERF	ORMED		
Thoward	ourl	Sampled	mu	1-16-05	and	mw - 16.	- 03
		<i>y</i>					
						U	
		-					

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
mu-16-05 and MN-16-03 me Aszert	Thanked with lofeater

	COMMUNICATION											
NAME	REPRESENTING	SUBJECT / COMMENTS										
E. Molnar	NTE	check & lout										
		•										

	INVESTIG	GATION DERIVED WASTE SUMMARY
WASTE MATRIX	QUANTITY	COMMENTS
purge water	NM	purged to granned
· · · · · · · · · · · · · · · · · · ·		
SIGNED (	12-0	DATE CHECKEDBY DATE

PAGE 4 OF 13 .

# **>**TRC

#### WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: CCR MONPP FAB Sa	mple & Rer	ort	MODEL	YSI Pro DS	SS	SAMPLER:	JK		
						JECT				
PROJECT NO.:	553931.0001.0000			SERIAL				•		
	CALIBRATION CHECK	1		-			ICTIVITY CALIBR	RATION C	HECK	
	pH 4 / 10 (LOT #): <b>46 ) 13 17</b>				САL (LOT #): <b>4</b> 6	READING	TEMPERATURE			
(LOT #): 4660770 (EXP. DATE): A-PR 26	(EXP. DATE) APR 26	CAL. RANGE	TIME			sep 125	(°CELSIUS)	CAL.	TIME	
POST-CAL, READING / STANDARD	POST-CAL. READING / STANDARD					READING / STANDARD	(,			
7.02 / 7.02	4,00 14,00		0832	_	1417	11413	22.2		0828	
/	/					1				
- 1	1			-		1				
1	1	WITHIN		1		1				
ORP	CALIBRATION CHECK	RANGE	L		L	D.O. CAL	IBRATION CHEC	K RANGE	·L	
CAL. READING	TEMPERATURE			].	CAL	READING	TEMPERATURE		<u> </u>	
(LOT #): 23K100208	(100EL 01110)	CAL.	TIME					CAL.	TIME	
(EXP. DATE): (0-3-みず	(°CELSIUS)	RANGE	TIVIE				(°CELSIUS)	RANGE		
POST-CAL. READING / STANDARD				4		EADING /SATURATED AI			<u> </u>	
228.7/228.7	22.1		0875		8.92	18.92	21.8			
1						1				
1						1				
1			1	1		1				
TURBID	ITY CALIBRATION CHEC		.1	-	I		COMMENTS			
	READING (NTU)		Τ	]		CAL SOLUTION	STANDARD	SOLUTION	I (S)	
(LOT #): 2108 0024	(LOT #):C796783B	CAL.	TIME		(LOT #):		LIST LOT NUMBERS A			
(EXP. DATE): 9/22	(EXP. DATE):2/19	RANGE			(EXP. DATE)					
POST-CAL, READING / STANDARD	POST-CAL. READING / STANDARD	DO WITHIN	1 - 0.800	-		TED PARAMETERS		ON RANGES		
0.0 10.0	10.0 / 10.0			_		pH				
. /	/		E	-		COND		F CAL. STA	NDARD	
/	/		=	_		ORP	ORP: +/- 25 m\	/		
1	/					D.O.	D.O.: VARIES			
	NOTES			-		TURB	TURB: +/- 5% O	F CAL. STA	NDARD	
							(1) CALIBRATION RAI			
							THE MODEL OF THE			
				-	L		1			
L	PROBLEMS ENCOUNTERED	-	<u></u> .			COPPEC				
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							_	$\neq$		
Al a	2 12-	9-21	¢		C		24/	1_	- 12 hills	
SIGNED		DATE	_		CHE	CKEDBE	The f	-	DATE	
					2		/			
							/			

# ♦ TRC

#### WATER QUALITY METER CALIBRATION LOG

PH CALIB pH 7 (LOT #): 4600770 (LOT #): 4600770 (LOT #) (EXP. DATE): APA 26 (EXP. D POST-CAL. READING / STANDARD POST- 7.02 / 7.02 4 / / / ORP CALII	31.0001.0000 BRATION CHECK pH 4 / 10 p: 4 ( 5 \ 7) 17 DATE): APA 3-6 F-CAL. READING / STANDARD H. OO / 4 . O O / / IBRATION CHECK TEMPERATURE (°CELSIUS)	CAL. RANGE	тіме <b>0610</b>	SERIAL #: PROJECT SPECIFIC CONDL CAL. READING (LOT #): 465 0217 (EXP. DATE): 54735 POST-CAL. READING / STANDARD 1413 / 14.7 /			TIME
pH 7     (LOT #):     4600770     (LOT #)       (EXP. DATE):     APA 26     (EXP. D       POST-CAL. READING / STANDARD     POST-       7.02     7.02     4       /     /       /     /       CAL. READING     CALI       CAL. READING     CALI	рН 4 / 10 р: 4 ( <b>b</b> ( <b>3</b> ) 7 рате): <b>А</b> Р <b>А b</b> ( <b>6</b> -cal. Reading / StanDard <b>H.OO</b> / <b>4.00</b> / / <b>IBRATION CHECK</b> TEMPERATURE			CAL. READING (LOT #): 465 م213 (EXP. DATE): محل اعد 125 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)		TIME
(LOT #): 46 0770 (LOT #) (EXP. DATE): AP& 26 (EXP. D POST-CAL. READING / STANDARD POST- 7.02 / 7.02 4 /	4 6 6 7 17 DATE): АРК 96 F-CAL. READING / STANDARD H. OO / 4. o O / / / IBRATION CHECK TEMPERATURE			(LOT #): 465 0217 (EXP. DATE): مور 125 POST-CAL. READING / STANDARD	(°CELSIUS)		
7.02 / 7.02 4 / / / / / CAL. READING (LOT #):271K 100203	/ / / IBRATION CHECK TEMPERATURE		0610	ועוז / ועוז / /	23.5		0605
/ / / ORP CALI CAL. READING (LOT #):よりにつびてのう	TEMPERATURE						
ORP CALI CAL. READING (LOT #): <b>23 الا ا</b> لامن	TEMPERATURE						
ORP CALI CAL. READING (LOT #): <b>23 الا ا</b> لامن	TEMPERATURE	WITHIN					
CAL. READING (LOT #): <b>2.7 1く 1</b> 00203	TEMPERATURE			1 1 '			
(LOT #):27 K 100203				D.O. CAL	BRATION CHE	Ċĸ	
(CVI. DVI.C). 10-0. 000		CAL. RANGE	TIME	CAL. READING	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
POST-CAL. READING / STANDARD				POST-CAL. READING /SATURATED AIR			
229.61 229.6	22.8			8.87/ 8:87	21.6		0621
/		RANGE					
1							
1		WITHIN RANGE		/			
	ALIBRATION CHEC	ж			COMMENTS		
CALIBRATION READI				AUTOCAL SOLUTION		SOLUTION	(S)
	#): C7A 6773B date): 2/19	CAL. RANGE	ТІМЕ	(LOT #): (EXP. DATE):	LIST LOT NUMBERS UNDER CALI	AND EXPIRAT BRATION CHE	
POST-CAL. READING / STANDARD POST-	T-CAL. READING / STANDARD			CALIBRATED PARAMETERS	CALIBRAT	ION RANGES (	}
0.0 10.0 10	10.10 / 10.0			рн	pH: +/- 0.2 S	.U.	
1	10-10 /				COND: +/- 1% C	F CAL. STAN	IDARD
/	/				ORP: +/- 25 m	V 、	
1	1			D.O.	D.O.: VARIES		
	NOTES			TURB	TURB: +/- 5% C	F CAL. STAN	IDARD
					( ¹⁾ CALIBRATION RA THE MODEL OF THE		
PROBLE	EMS ENCOUNTERED			CORRECT	TVE ACTIONS		

SIGNED DATE

CHECKERBY DATE

# PAGE 6 OF 13

## TRC

#### WATER SAMPLE LOG

PROJECT	NAME:	DTE: (	CCR MONPP F	AB Samp	PR	EPARED		CHEC	KED
PROJECT	NUMBER	R: 55393	1.0001.0000	BY:	JK	DATE:12-	5-24 BY: E	R	DATE: 12/12/24
SAMPLE	ID: M	w-16 -	02	WELL DIAM	METER: 🔀	2" [] 4" []	6" 🔲 OTHER	2	
WELL MAT	ERIAL:	PVC	🗌 ss 🗌		LVANIZED S	STEEL		2	
SAMPLE T	YPE:	🗹 GW		SW 🗌 DI		LEACHATE		{	
PUR	GING	TIME: 08	156 DA	TE: 12-5-2	γ s	AMPLE	TIME: 0958	P DA	TE: 12-5-24
PURGE METHOD	): D:	BAILER	Antegion 4 Periste	al fil	PH: ORP:	<u>7.18</u> s <u>17.0</u> m		۷ITY: <u>171</u> م.04 mg	
DEPTH TO	WATER:	0.15	T/ PVC		TURBI	DITY: 12.9	NTU		
DEPTH TO	BOTTOM:	NM	T/ PVC		П NO			ODERATE	
WELL VOL	UME:	MA		GALLONS	TEMPE	RATURE: <u>4</u>		THER:	-1
	REMOVED:	12 0		GALLONS	COLO	R: <u>Clw</u>	o	DOR:	Us th
COLOR:	<u> </u>	~	OD OD	OR: <u>6</u>	FILTRA	ATE (0.45 um)	YES [	] NO	
	[] ទប		BIDITY MODERATE					ILTRATE ODC	0R:
$\frown$ _							PL 6,9-		
TIME	PURGE RATE	РН	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATURE	LEVEL	CUMULATIVE PURGE VOLUME
000	(ML/MIN)	(SU)	(umhos/cm)	(mV)	( mg/L)	(NTU)	(°C)	(FEET)	(GAL OR L). INITIAL
0858	200	7.07	1753	77.6	1.13	1912	9.0	0.21	INITIAL
080903	200	7,09	1735	57.6	0.72	1207	8.8	021	
0908	200	7,15	ונרו	43.0	0.16	784	9,2	0.21	2
0413	200	2.15	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
9923	200	7.16	1732	27.4	0,03	40,4	9.5	0.21	5
0928	200	7.16	221	25.4	0.05	28.9	9,6	0.21	6
0933	200	7.16	1773	27,4	0.04	28.3	9.5	0.21	7
0978	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
NC pH: +/-		ILIZATION COND.: +/-	TEST IS COMPL 10 % ORP:		BUCCESSIV ).O.: +/-	<b>E READINGS A</b> TURB: +/-			G LIMITS: Temp.: +/- 0.5°C

BOTTLES	S FILLED	PRESERV	ATIVE CODES	A -	NONE		в-	HNO3	C - H2SO4	D - NaOH	H E-HCL	F	
NUMBER	SIZE	TYPE	PRESERVAT	ΓIVE	FIL	TERE	D	NUMBER	SIZE	TYPE	PRESERVATIV	E FILT	ERED
2	250	Plastic	Ð		ΠY	K	N					ΠY	N
					ΠY		N					ΠY	N
					ΠY		N					ΠY	N
a mana alikan lahin kasi kasi kasi kasi					ΠY		N					Γ	N
					ΠY		Ν					ΠY	N
SHIPPING	METHOD:	Lab h	map off c	DATE	SHIPF	PED:	_	12-6-2	24	AIRBILL			
COC NUMI	BER:		s	SIGNA	TURE	:	_	fe to	iz_	DATE SI	GNED:	12-9-:	24
<u> </u>							1		- <i>v</i>	1		_	

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(CONTINUED FROM PREVIOUS PAGE)



#### WATER SAMPLE LOG

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

#### SAMPLE ID: MW-16-02

	1-10	.0							
TIME	PURGE RATE	РН	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATURE	WATER LEVEL	CUMULATIVE PURGE VOLUME
	(ML/MIN)	(SU)	(umhos/cm)	(mV)	( mg/L)	(NTU)	(°C)	(FEET)	(GAL OR L)
0948	200	7,17	1733	17.8	0.04	14,1	945	0,21	10
0953	200	7,17	1732	17.5	0.04	13.9	9.5	<b>०.</b> २	()
0958	200	7, 18	1737	17.0	0.04	129	9.5	0.21	12
						an, adam yaya ay say an atasi Ada wasa dahi. Makara ka			
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a a particular a second con a se						******			
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		-	1						
	<u></u>								an a sain a paramatana ana ana ana ana ara ara ara ara ara
					+				
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			a ( - ) a ( - )) a da d		_			<u> </u>	
		1			-		LAR - LAR DE LE SE MET MARKE AND THE REPORT OF THE TAX OF THE A THE A		
	1	1	.1	1	1	1	1		<u> </u>

SIGNATURE:

Ac Thy

DATE SIGNED: 12-9-24

**REVISED 04/2019** 

### WATER SAMPLE LOG

PROJECT	NAME:	DTE: C	CR MONPP F	AB Samp		PRE	EPARED			CHEC	KED
PROJECT	NUMBER	R: 553931	1.0001.0000	E	BY:	JK		5-24	BY: ER		DATE: 12/16/24
SAMPLE	ID: MW.	- 16-0	6	WELL D	IAMET	ER:	2" 4"	6"	OTHER		
WELL MAT	ERIAL:	✓ PVC	ss 🗌		GALVA	NIZED S	TEEL		OTHER		
SAMPLE T	YPE:	⊡ GW		sw 🗌 i	DI		LEACHATE		OTHER		
PURC	GING	TIME: 10	•	TE: 12-5-2	24		AMPLE	TIME:	1056		TE: 12-5-24
PURGE METHOD	· —	PUMP BAILER	ferizta 1	+12	:			U CO IV DO:		דץ: <u>170 '</u> mg	
DEPTH TC	WATER:	2.70	T/ PVC			TURBI	DITY: 12.0	D NTL	J		
DEPTH TC	BOTTOM:	NM	T/ PVC			Мои 🔁		GHT		DERATE	
WELL VOL	UME:	NA			٧S	TEMPE	RATURE:	9.2	℃ОТН	IER:	
VOLUME F	REMOVED:	6	🔀 LITERS		٧S	COLOF	r: <u>Checr</u>		ODC	DR:	non
COLOR:		cheas	OD	OR: NON	<u>د</u>	FILTRA	TE (0.45 um)		s 🖄	NO	
		TUR	BIDITY			FILTRA ⁻	TE COLOR:		FIL1	FRATE ODC	DR:
MONE	🗌 SLI	GHT 🗌	MODERATE		RY	QC SA	MPLE: 🗌 MS	/MSD		DUP-	<u> </u>
DISPOSAL	_ METHOD:	🔀 GROU	ND 🗌 DRUM			СОММ	IENTS: plit	pL	7.0 -	7,3	-
TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)		D.O. mg/L)	TURBIDITY (NTU)		ERATURE	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
	200	7.25	1714	22.8			35.7		.9 .9	2.47	INITIAL
1026	200	7.25	1708	14.9	1	38 54	27.0	· • • • • • • • • • • • • • • • • • • •	.7	2.47	1
1031	200	7,25	דסד <u>ו</u>	1.7	1	34	16.7	8.		2.47	Q
1041	200	7,24						9,		2,47	7
		7.29	1700	9.9		,27	14,2	9,			, Ч
1046	200		1703	8.0		.20	12.1			2,47	
1051	200	7,24	1705	ר,ר		,19	11.6	9,	_	2.47	5
1056	200	7.24	101	7.0	0	,)7	12.6	91.	2	2,47	6
рН: +/-		ILIZATION COND.: +/-	TEST IS COMPL 10 % ORP:		I <b>3 SUC</b> D.O.:		<b>E READINGS</b> TURB: +/-		or =</td <td></td> <td>IG LIMITS: TEMP.: +/- 0.5°C</td>		IG LIMITS: TEMP.: +/- 0.5°C
BOTTLE	S FILLED	PRESERV	ATIVE CODES	A - NONE	В·	HNO3	C - H2SO4	4 D-	NaOH	E - H(	CL F
NUMBER	SIZE	TYPE	PRESERVATI		ERED	NUMB	ER SIZE	ТҮ	PE PF	RESERVAT	IVE FILTERED
	Isan	Plashi	ß		N 🕅			<u> </u>			
		1 WOSHC				+					
						<u></u>		-			
						+					
SHIPPING	METHOD:	hab Da	woff D	ATE SHIPPE	ED:	12-	6-24	AIF	RBILL NUM	IBER:	~~~~~
COC NUM	anan kan la disa arabi aran disabut kan bi TWA	<u>en</u>		GNATURE:		10	Ten	 DA	TE SIGNE	D:	12-9-24
					— <u>†</u>	$F^{\sim}$	>				

⇒TRC

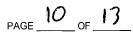
REVISED 04/2019

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### WATER SAMPLE LOG

								01150	
PROJECT	NAME:	DTE: 0	CCR MONPP F	AB Samp	PR	EPARED		CHEC	<i>t</i>
PROJECT	NUMBER	R: 55393	1.0001.0000	BY:	JK	DATE: A	-5-24 BY: EN		DATE: NIGM
SAMPLE	ID: MN	-16-0	1	WELL DIAN	METER:	2" 4"	6" 🗌 OTHER		
WELL MAT	ERIAL:	✓ PVC	🗌 ss 🗌	IRON 🗌 GAI	_VANIZED :	STEEL	OTHER		
SAMPLE T	YPE:	⊡ GW		SW 🗌 DI		LEACHATE	OTHER		
PUR	GING	TIME:	2 <i>0</i> DA	TE: 12-5-2	y s	AMPLE	TIME: 7.28	143 DA	TE: 12-5.21
PURGE	X	PUMP	Dedicated	Bladder	* PH:	7.28 s		ITY: 169	<b>36</b> umhos/cm
METHOD	D:	BAILER			ORP:	<u>41.7</u> m	N DO: <u>ď</u>	2,11 mg	ľ
DEPTH TO	WATER:	6.50	T/ PVC			IDITY: <u>4.9</u>	<u>7</u> NTU		_
DEPTH TO	воттом		T/ PVC					DERATE	
WELL VOL		<u></u>		GALLONS	TEMP			HER:	
VOLUME	REMOVED	1			COLO			OR:	none
COLOR:		cher	OD	OR: <u>גט</u> אל		ATE (0.45 um)		'NO	
			BIDITY MODERATE					TRATE ODO	DR:
							02 6.9 - 7.		
	PURGE					<u>, pit</u>	02 0,1+0,	WATER	CUMULATIVE
TIME	RATE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATURE	LEVEL	PURGE VOLUME
	(ML/MIN)	(SU)	(umhos/cm)	(mV)	( mg/L)	(NTU)	(°C)	(FEET)	(GAL OR L) INITIAL
1123	400	7.22	1674	76.5	1.58	8.33	11.7	6.50	
1128		7,26	16.34	62.8	0,45	6.36	11.5	6.50	2
1133		7,27	1685	57.8	0.25	5.37	11,4	6.50	4
1138	Y	7.28	1686	45,9	0,15	5.04	11,3	6.50	6
1147	V	7.28	1686	41.7	0,11	4,97	11,4	6,50	8
			T		T				
					1			1	ан алан таан та сайт таас бал ас тай
	L	1	1		1	1	1	1	!

BOTTLES	S FILLED	PRESERV	ATIVE CODES A -	NONE		в-	HNO3	C - H2SO4	D ~ NaOH	E - HCL	F
NUMBER	SIZE	TYPE	PRESERVATIVE	FILT	ERE	D	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	ISOml	Plastr	ß	ΠY	X	N					□ Y □ N
				ΠY		N					□ Y □ N
	A REAL PROPERTY OF CASE OF CASE OF CASE			ΠY		N					Y N
	anna an dia kata dan sakara kata kata dan sakara kata dan sakara kata dan sakara kata dan sakara kata dan saka			ΠY		N					
				ΠY		N					Y N
SHIPPING	METHOD:	Lab N	op off DATE	SHIPP	ED:		12-6-	24	AIRBILL		
COC NUM	BER:		SIGN/	TURE		4	le?	ling	DATE SIG	GNED: 12	-9-24
L			`			V		-0-			





### WATER SAMPLE LOG

PROJECT	NAME:	DTE: C	CCR MONPP F	AB Samp	PR	EPARED			CHECI	KED
PROJECT	NUMBER	R: 55393 ⁻	1.0001.0000	BY:	JK	DATE:12-	5-24 BY:	ÉR		DATE: n/11/29
SAMPLE	ID: MW	-16-6	94	WELL DIAM		2" 🗍 4" 📋	6" 🗌 OT⊦	IER		
WELL MAT	ERIAL:	✓ PVC	ss 🗌	IRON 🗌 GA	LVANIZED S	STEEL	□ от⊦	IER _		
SAMPLE T	YPE:	√ GW		SW 🗌 DI		LEACHATE	от⊦			
PURC	GING	TIME: 12	I) DA	TE: 12-5-2	4 s	AMPLE		18		TE: 12-5-24
PURGE METHOD	<b>.</b>	P <del>UMP</del> BAILER	well her	rher	PH: ORP:	<u>7.28</u> s <u>~196,3</u> m			: <u> </u>	<b>89</b> umhos/cm
	WATER:		T/ PVC			DITY: 4,49	,	an a		-
	BOTTOM		T/ PVC		— 📈 №			MODE	RATE	VERY
WELL VOL		NM		GALLONS	TEMPE		<u>}_</u> ℃	OTHEF	२:	
	REMOVED:	150	K there	GALLONS	COLO	R: Chew		ODOR:		Yes
COLOR:		Check	OD	OR: Yes	FILTRA	TE (0.45 um)	YES	NO 🔀	0	
		TUR	BIDITY		FILTRA	TE COLOR:		FILTR/	ATE ODC	DR:
	🗌 SLI	бнт 🗌	MODERATE		QC SA	MPLE: 🗌 MS	/MSD		JP	
DISPOSAL	METHOD	🔀 GROUI	ND DRUM		COMM	Hم IENTS:	PL 7:0	- 7.5		
TIME	PURGE RATE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATU			CUMULATIVE PURGE VOLUME (GAL OR L)
.0.0	(ML/MIN)	(SU)	(umhos/cm)	(mV)	( mg/L)		(°C) 11.2		(FEET)	INITIAL
1212	25904	7.28	1694 1692	-152,4	0,49	4.17			1	76 20
1214		7.28		-170,2	0.22	4.37	1).2			
1216		7.28		-183.9	0.11	3,51	11.2			100
1218	N.	7,28	1689	-19513	0,06	4.49	11.2			150
N	OTE: STAB		TEST IS COMPL	ETE WHEN 3	SUCCESSIV	E READINGS	ARE WITHIN	THE FO	LLOWIN	G LIMITS:
pH: +/-	0.1	COND.: +/-	10 % ORP:	+/- [	D.O.: +/-	TURB: +/-	10 % or	= 10</td <td>)</td> <td>TEMP.: +/- 0.5°C</td>	)	TEMP.: +/- 0.5°C
BOTTLE	S FILLED	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaO	н	E - HC	)L F
NUMBER	SIZE	TYPE	PRESERVATI	VE FILTERI	ED NUME	BER SIZE	TYPE	PRES	SERVAT	IVE FILTERED
10	250ml	Plashi	B	U Y 🛛	] N					
					] N					
**************************************		T			] N					

SHIPPING METHOD: L.S Nov off	DATE SHIPPED: 12-6	- 2.4 AIRBILL NUMBER:	
COC NUMBER:	SIGNATURE:	DATE SIGNED:	12-9-24
L		0	

REVISED 04/2019

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#### WATER SAMPLE LOG

PROJECT	NAME:	DTE: C	CCR MONPP F	AB Samp	PR	EPARED			CHEC	KED
PROJECT	NUMBER	R: 55393 ⁻	1.0001.0000	BY:	JK	DATE:p-	<b>6-29</b> BY:	É	r	DATE: 14/16/2 4
SAMPLE	D: M	w-16-0	5	WELL DIAME		2" 🗌 4" 🗌	6" 🗌 OT	THER		
WELL MAT	ERIAL:	✓ PVC	🗌 ss 🗌	IRON 🗌 GALV	ANIZED S	STEEL	TO 🗌	THER		
SAMPLE T	YPE:	⊡ GW		SW 🗌 DI		LEACHATE	<u>го []</u>	THER		
PURC	SING	TIME:	25 (open) DA	TE:12-6-24	s	AMPLE	TIME: Ø	917	DA	TE: 12-6-24
PURGE METHOD	.    —	PUMP BAILER	Nell he	uber	PH: ORP:	· ~	U COND		тү: <u>166</u> 49 mg.	umhos/cm
DEPTH TO	WATER:	ATOO	T/ PVC		TURBI	DITY: 4.79	NTU			
DEPTH TO	BOTTOM:	NM	T/ PVC		NO 🔊	NE 🗌 SLI	днт 🗌	] мо	DERATE	
WELL VOL	UME:	NM		GALLONS	TEMPE	RATURE:	11.2 °C	ОТ⊦	IER:	
VOLUME F	REMOVED:	390	K HERE'S	GALLONS	COLO	R: Chew	<u> </u>		DR:	Yes
COLOR:		?bew	OD(	OR: AUTES	FILTRA	TE (0.45 um)		7	NO	· · · · ·
			BIDITY MODERATE				/MSD		TRATE ODC	JR:
							off PL		<u></u> 3 - 7,7	
	PURGE					<u> </u>			WATER	CUMULATIVE
TIME	RATE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERA		LEVEL	PURGE VOLUME
	(ML/MIN)	(SU)	(umhos/cm)	(mV)	( mg/L)	(NTU)	(°C)		(FEET)	(GAL OR L)
0908	7.59pm	6.91	1686	62.1	2.10	4,82	11.2	*****	ATOC	
0911		7.06	1667		0.81	4,67	11.3	2	1	345
0914		7.10	1665	5.3	७.১१	4.92	11,2	٤		367,5
0917	V	7.0	1664	-1.8	0,49	4.76	11.6	L	V	390
								Ì		
				aaranahamaan ka ahaan yoo oo kaan ahagaa ka ahaa ahaa ahda far yoo						
								~		
			TEST IS COMPL 10 % ORP:	.ETE WHEN 3 SU +/- D.9	JCCESSIN D.: +/-	/E READINGS / TURB: +/-				G LIMITS: TEMP.: +/- 0.5°C
BOTTLES	S FILLED	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	1 D-Na	он	E - HC	L F
NUMBER	SIZE	TYPE	PRESERVATI			BER SIZE	TYPE	PF	RESERVAT	VE FILTERED
)	250mL	Plughic	ß		N N N N					
L		1	<u> </u>	1 1 1 1			.1 			

SHIPPING METHOD:	Lab	boy off	DATE SHIPPED:	12-6-24	AIRBILL NUMBER:	
COC NUMBER:			SIGNATURE:	Al Jay	DATE SIGNED:	12 -9-24
				7		

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#### WATER SAMPLE LOG

PROJECT NUMBER:       553931.0001.0000       BY:       JK       DATE 12-6-24       BY:       JK       DATE 12-6-34       DY:	PROJECT	NAME:	DTE: (	CCR MONPF	P FAB Samp	PR	EPARED			CHEC	KED	
WELL MATERIAL       PVC       SS       IRON       GALVANIZED STEEL       OTHER         SAMPLE TYPE:       OW       WW       SW       DI       LEACHATE       OTHER         PURGING       TIME:       08/40(0/a)       DATE: 1/2-6-24       SAMPLE       TIME:       [0/2       DATE: 1/2-6-24         PURGE       PH#       Usil Line       PH:       7.21       SU       CONDUCTIVIT:       1.721       unbastern         METHOD:       BALLER       ORF:       -1.7       mV       Do:       0.072       mgL         DEPTH TO WATER:       O       T/ PVC       TURBIDITY:       S.33       MU       DEPTH:       MODERATE       VERY         VOLUME REMOVED:       72.42       UTERS       GALLONS       COLOR:       COLOR:       ODOR       Intra-         COLOR:       72.42       UTERS       GALLONS       COLOR:       URANT       WELV       VERY         VOLUME REMOVED:       72.42       UTERS       GALLONS       COLOR:       MUTRATE (0.45 um)       YES       NO       DUP:         DISPOSAL METHOD (X)       TURBIDITY       TURBIDITY       INTERT (0.42 umbstern       WILLAR       WILLAR       ODR:       MUTRATE (0.42 UMALITIVE         MURAN	PROJECT	<b>NUMBEF</b>	R: 55393 ⁻	1.0001.0000	BY:	JK	DATE:D-	6-24	BY: EN		DATE:12 16 2 -1	
WELL MATERIAL       PVC       SS       IRON       GALVANIZED STEEL       OTHER         SAMPLE TYPE:       OW       WW       SW       DI       LEACHATE       OTHER         PURGING       TIME:       08/40(0/a)       DATE: 1/2-6-24       SAMPLE       TIME:       [0/2       DATE: 1/2-6-24         PURGE       PH#       Usil Line       PH:       7.21       SU       CONDUCTIVIT:       1.721       unbastern         METHOD:       BALLER       ORF:       -1.7       mV       Do:       0.072       mgL         DEPTH TO WATER:       O       T/ PVC       TURBIDITY:       S.33       MU       DEPTH:       MODERATE       VERY         VOLUME REMOVED:       72.42       UTERS       GALLONS       COLOR:       COLOR:       ODOR       Intra-         COLOR:       72.42       UTERS       GALLONS       COLOR:       URANT       WELV       VERY         VOLUME REMOVED:       72.42       UTERS       GALLONS       COLOR:       MUTRATE (0.45 um)       YES       NO       DUP:         DISPOSAL METHOD (X)       TURBIDITY       TURBIDITY       INTERT (0.42 umbstern       WILLAR       WILLAR       ODR:       MUTRATE (0.42 UMALITIVE         MURAN	SAMPLE	ID: Aqu	-16-6	4 MW-16	-03 WELL DIAN		2" 4"	6"	OTHER			
PURGING       TIME       08406/04.0       DATE 13-6-24       SAMPLE       TIME:       10/2       DATE:       13-6-24         PURGE       Image:	WELL MAT								OTHER			
PURGE       IP HUMP       LV2 H       heuder       PH: 7.21       SU       CONDUCTIVITY:       [73]       unthostem         METHOD:       BALLER       ORP: -1.7       mV       Do:       0.77       mgL         DEPTH TO WATER:       0       17 PVC       TURBIDITY:       S.3 NTU       MODERATE       VERY         DEPTH TO BOTTOM:       Y1.22       ITERS       \$ GALLONS       TEMPERATURE       115 °C       OTHER       OTHER         VOLUME REMOVED:       71.24       ITERS       \$ GALLONS       COLOR       Clear       NOPE         TUBBIDITY       TUBBIDITY       GALLONS       COLOR       Clear       NOPE       PUTRATE CODOR       NOPE         TUBBIDITY       TUBBIDITY       GALLONS       COLOR       CLEAR       NOPE       PUTRATE CODOR       NOPE         TUBBIDITY       TUBBIDITY       TUBBIDITY       TEMEPERATURE       PUTRATE CODOR       NOPE         TIME       PURGE       PI       CONDUCTIVITY       ORP       D.0       TUBBIDITY       TEMEPERATURE       UNATIVE       PURGE VOLUME         GALONS       (motto scrip)       (myl)       (myl)       (myl)       (myl)       (myl)       (GALON)       (GALON)       (GALON)	SAMPLE T	YPE:	⊡ GW		] SW 🗌 DI		LEACHATE		OTHER			
METHOD:       BAILER       ORP: -4.7       mV       DO:       0.17       mgL         DEPTH TO WATER:       0       17 PVC       TURBIDITY:       S:33       TU         DEPTH TO BOTTOM:       41.25       T1 PVC       TURBIDITY:       S:33       TU         DEPTH TO BOTTOM:       41.45       T1 PVC       TURBIDITY:       S:33       TU       MODERATE       VERY         VOLUME:       7.2.0       TURBIDITY       GALLONS       COLOR:       Color:       None       DODR:       None         COLOR:       Clear       ODDR:       .000       PURTATE COLOR:       PURTATE PURTATE PURTATE PURTATE PURTATE PURTAT	PUR	GING	TIME: 08			1 8		TIME:	1012			
DEPTH TO WATER:       O       T/ PVC       TURBIDITY:       \$\vec{S} - \vec{S}		· _		We 11	hender					1.7		
WELL VOLUME:       7.2.2       UTERS       Ø GALLONS       TEMPERATURE       1.5       C       OTHER	DEPTH TO	D WATER:	Ű	T/ PVC				<u>3</u> NTL	J			
VOLUME REMOVED:       17.35       Image: Color intervent	DEPTH TO	О ВОТТОМ:	44.25	T/ PVC			NE 🗌 SLI	GHT	мо	DERATE		
COLOR:       C lest       ODDR:       A 0       FILTRATE (0.45 um)       Y S       NO         TURBIDITY       TURBIDITY       COLOR:						TEMP	ERATURE:	11.5	°С ОТ⊦	HER:	$\sim$	
COLOR:       C lest       ODDR:       A 0       FILTRATE (0.45 um)       Y S       NO         TURBIDITY       TURBIDITY       COLOR:	VOLUME	REMOVED:	78.85	X-LITERS	GALLONS	СОГО	R: <u>chen</u>		OD	OR:	none	
Image: Substrate in the		<u> </u>	lear			FILTR/	ATE (0.45 um)	YES		NO		
DISPOSAL METHOD: & GROUND D RUM OTHER       COMMENTS: pH PL 6, 7 - 7, 3         TIME       PURGE RATE (SU)       PH CONDUCTIVITY ORP (IMM/MIN)       ORP (IMM/MIN)       D.0.       TURBIDITY       TEMPERATURE (PERT)       CUMULATIVE PURGE VOLUME (GAL OR L)         09145       0.33 (ph. 7.16       178.6       77.6       1.15       6.53       11.6       AROC       HTTP: 176.2       53.96         0954       7.20       178.7       1.5       0.26       5,17       11.5       447.62,25         1003       7.20       178.7       1.5       0.26       5,17       11.5       70.55         1012       7.20       178.7       -9.7       0,13       5,23       11.5       78.85         1012       7.20       178.7       -9.7       0,13       5,21       11.5       78.85         1012       7.21       178.1       -9.7       0,13       5,23       11.5       78.95         1014       7.21       178.1       -9.7       0,13       5,21       11.5       78.95         1014       7.21       178.1       -9.7       0,13       5,23       11.5       78.95         1012       7.21       178.1       -9.7       D.0.14       10.80		∏ su									DR:	
TIME       PURGE RATE       PH (MI,MIN)       CONDUCTIVITY (SU)       ORP       D.O. (my)       TURBIDITY (mgL)       TEMPERATURE (NTU)       CUMULATIVE (EVEL (FEET)         09145       0.33 cp.       7.16       17.86       77.6       1.15       6.53       11.6       ATOC       HHTIGET       COMULATIVE (GAL OR L)         09154       7.20       17.83       1.5       0.26       5.17       11.5       474.762, 25*         1003       7.20       17.81       -6.1       0.17       5.23       11.5       70.55         1012       7.21       17.81       -9.7       0.13       5.23       11.5       78.85         1012       7.21       17.81       -9.7       0.13       5.23       11.5       78.85         1012       7.21       17.81       -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: +/.0.5°C       10.01       TURB: +/. 10 % or        10       TEMP: +/. 0.5°C         BOTTLES FILLED       PRESERVATIVE CODES A - NONE       B - HNO3       C - H2SO4       D - NAOH       E - HCL       F												
IME       RATE       PH       ONOULINITY       ORP       D.0.       TORBUTTY       TEMPERATURE       EVEL       PURCE VOLUME         (MLMIN)       (SU)       (umhos/cm)       (mV)       (mg/L)       (NTU)       (°C)       (FEET)       (GALORL)         09145       0.33pp       7.16       17.86       17.6       1.15       6.53       11.6       AffOC       HHTGST, 6.53       10.6       AffOC       HHTGST, 6.53       11.6       AffOC       HHTGST, 6.53       10.7       11.5       5.1.90       5.1.90       90.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55       70.55			<u>/</u>			1	<u> </u>	1			CUMULATIVE	
09445       0.83cg, 7.16       1786       77.6       1.15       6.53       11.6       ATOC       MITHEND, 653.46         0954       7.20       1783       1.5       0.26       5.17       11.5       54.762, 25*         1003       7.20       1783       1.5       0.26       5.17       11.5       70.55         1012       7.20       1781       -6.1       0.13       5.23       11.5       70.55         1012       7.21       1781       -9.7       0.13       5.23       11.5       70.55         1012       7.21       1781       -9.7       0.13       5.23       11.5       78.85         1012       7.21       1781       -9.7       0.13       5.23       11.5       78.65         NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:       pH: +/- 0.1       COND: +/- 0.5°C         BOTTLES FILLED       PRESERVATIVE CODES A - NONE       B - HNO3       C - H2SO4       D - NaOH       E - HCL       F	TIME	RATE								LEVEL	PURGE VOLUME	
0954       1720       1783       1.5       0.26       5.17       11.5       544762,25         1003       1720       1731       -6.1       0-17       4.45       11.5       70.55         1012       7.21       1781       -4.7       0.13       5.21       11.5       70.55         1012       7.21       1781       -4.7       0.13       5.21       11.5       78.85         1012       7.21       1781       -4.7       0.13       5.21       11.5       78.85         1012       7.21       1781       -4.7       0.13       5.21       11.5       78.85         1014       7.21       1781       -4.7       0.13       5.21       11.5       78.85         1014       7.21       1781       -4.7       0.13       5.21       11.5       78.85         1012       1.00       1.00       1.00       1.00       1.00       10.00       10.00         1014       1.00       0.01       1.00       0.02       1.00       1.00       1.00         1014       1.00       0.02       1.00       0.02       1.00       0.02       1.00         101       1.00	MAHE									1		6 C7 68
1003       7.20       1731       -6.1       6-17       4.45       11.5       70.55         1012       7.21       1781       -9.7       6.13       5.23       11.5       78.85         1012       7.21       1781       -9.7       6.13       5.23       11.5       78.85         1012       7.21       1781       -9.7       6.13       5.23       11.5       78.85         1012       7.21       1781       -9.7       6.13       5.23       11.5       78.85         1012       1.012       1.012       1.012       1.012       1.012       1.012       1.012         1012       1.012       1.012       1.013       1.012       1.013       5.23       11.5       78.85         1012       1.012       1.012       1.012       1.012       1.012       1.012       1.012         NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012       1.012<		<u>0.0.797</u>					1	1		1		
1012       V       7.2.1       17.8.1       -9.7       Ø.13       S.2.1       11.5       V       78.85         Image: Stabilization test is complete when 3 successive readings are within the following limits:       Image: Stabilization test is complete when 3 successive readings are within the following limits:       Image: Stabilization test is complete when 3 successive readings are within the following limits:         pH: +/- 0.1       COND: +/- 10%       ORP: +/-       D.0: +/-       TURB: +/- 10% or        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         1       \$STOM L       \$Lista.       \$J       Y       N       Image: Y       N         1       \$STOM L       \$Lista.       \$J       Y       N       Image: Y       N         1       \$STOM L       \$Lista.       \$J       Y       N       Image: Y       N         1       \$STOM L       \$Lista.       \$J       Y       N       Image: Y       N         1       \$STOM L       \$Lista.       \$J       Y       N       Im												, <i>d</i> W'
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:         pH: +/- 0.1       COND:: +/- 10 % ORP: +/-         DOTILES FILLED       PRESERVATIVE CODES A - NONE         BOTTLES FILLED       PRESERVATIVE CODES A - NONE         BOTTLES FILLED       PRESERVATIVE FILTERED         NUMBER       SIZE         TYPE       PRESERVATIVE         PI       MARCH         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y       N         Y				l		1		1				
pH: +/- 0.1       COND.: +/- 10 %       ORP: +/-       D.O.: +/-       TURB: +/- 10 %       or = 10</th 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       QSOmL       flock       fg       Y       N       Image: Contract of the state of	1012	<b>v</b>	1.21	1181		©,15	2.2)	<u>  /!</u>	.)	V	18-85	
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### 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-16-03

- MW-16-01 MW-16-02 ■
- 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-16-02

MW-16-05

MW-16-01

MW-16-03

MW-16-06

- MW-16-04 ■
- .

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