2025 Annual Groundwater Monitoring Report

Sibley Quarry Coal Combustion Residual Landfill
801 Fort Street
Trenton, Michigan

January 2026

Prepared For:

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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, applies to the DTE Electric Company (DTE Electric) Sibley Quarry Landfill (SQLF) CCR unit. Pursuant to the CCR Rule, no later than January 31, 2018, and annually thereafter, the owner or operator of a CCR unit must prepare an annual groundwater monitoring and corrective action report for the CCR unit documenting the status of groundwater monitoring and corrective action for the preceding year in accordance with §257.90(e). On behalf of DTE Electric, TRC Engineers Michigan, Inc., the engineering entity of TRC, has prepared this Annual Groundwater Monitoring Report for calendar year 2025 activities at the SQLF CCR unit.

The SQLF was operating under the detection monitoring program at the start of the 2025 annual reporting period and remained in the detection monitoring program through the end of the 2025 annual reporting period. The semiannual detection monitoring events for 2025 were completed in April and October 2025 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. All the monitoring data that has been collected and evaluated under §257.90 through §257.98 in 2025 are presented in this report.

No SSIs attributable to the SQLR CCR unit were observed throughout the 2025 monitoring period. Potential SSIs over background limits were noted for several Appendix III constituents in one or more monitoring wells during the April 2025 monitoring event. These potential SSIs were either not statistically significant (i.e. verification sampling did not confirm the exceedance) or were determined to be a result of natural conditions within the aquifer and/or other off-site anthropogenic sources drawn onsite from continuous dewatering as documented in the respective alternative source demonstrations (ASDs). No SSIs over prediction limits associated with the SQLF CCR unit were recorded for Appendix III constituents in monitoring wells during the April or October 2025 monitoring events. Therefore, detection monitoring will continue at the SQLF CCR unit in accordance with §257.94.

Based on the hydrogeology at the site, the uppermost aquifer is in an area where pumping has been performed continuously since before CCR disposal began and will continue to be dewatered, by which a continuous inward hydraulic gradient is maintained. As a result, there is no reasonable probability for the uppermost aquifer perimeter monitoring wells to have been affected by the SQLF CCR unit operations to date, nor could they be in the future under current pumping conditions.

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) Sibley Quarry Landfill Coal Combustion Residual Landfill (SQLF) CCR unit. Pursuant to the CCR Rule, no later than January 31, 2018, and annually thereafter, the owner or operator of a CCR unit must prepare an annual groundwater monitoring and corrective action report for the CCR unit documenting the status of groundwater monitoring and corrective action for the preceding year in accordance with §257.90(e). On behalf of DTE Electric, TRC Engineers Michigan, Inc., the engineering entity of TRC, has prepared this Annual Groundwater Monitoring Report for calendar year 2025 activities at the SQLF CCR unit (2025 Annual Report).

As documented in the *2024 Annual Groundwater Monitoring Report for the Sibley Quarry Landfill* (2024 Annual Report) (TRC, January 2025), potential statistically significant increases (SSIs) over prediction limits were not noted for any Appendix III constituents during the April and October 2024 semiannual detection monitoring events. As such, DTE Electric continued detection monitoring at the SQLF CCR Unit in 2025 pursuant to §257.94 of the CCR Rule.

This 2025 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 2025 semiannual groundwater monitoring events for the SQLF CCR unit. Detection monitoring for these events continued to be performed in accordance with the *CCR Groundwater Monitoring and Quality Assurance Project Plan – DTE Electric Company Sibley Quarry Coal Combustion Residual Landfill* (QAPP) (TRC, August 2016; revised March 2017) and statistically evaluated per the *Groundwater Statistical Evaluation Plan – DTE Electric Company Sibley Quarry Coal Combustion Residual Landfill* (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.

1.2 Site Overview

The SQLF is located in Section 7, Township 4 South, Range 11 East, at 801 Fort Street in Trenton, Wayne County, Michigan (Figure 1). The SQLF is located about two miles north of the DTE Electric Trenton Power Plant. The SQLF is bounded mostly by Fort Street to the west, Sibley Road to the north, the former Detroit and Toledo Shore Line Railroad and West Jefferson Avenue to the east, and the former Vulcan Mold & Iron Company (now owned by Danou Enterprises) and the DTE Electric Jefferson Substation to the south.

The SQLF is a licensed Coal Ash Landfill owned and operated by DTE Electric. In 2025, the disposal facility received the majority of CCR from the Monroe Power Plant, including CCR from the Monroe Power Plant Bottom Ash Impoundment closure through 2025. The SQLF is operated under the current operating license number 9780 in accordance with Michigan Part

115 of the Natural Resources and Environmental Protection Act (NREPA), PA 451 of 1994, as amended.

1.3 Geology/Hydrogeology

The SQLF CCR unit is located approximately one-half mile west of the Detroit River. The Sibley quarry was originally developed to mine limestone beginning in the mid-1800s and was mined to over 300 feet below ground surface (ft bgs) in some areas before mining activities ceased. In 1951, Detroit Edison (now DTE Electric) acquired Sibley Quarry and began to manage CCR in the SQLF. As part of normal operations, the SQLF is continuously dewatered to approximately 300 ft bgs maintaining a water level in the bottom of the quarry by pumping an average of approximately 1.5 million gallons per day.

The SQLF resides in an area characterized by near surface deposits of glacio-lacustrine clay and silt units on top of thick strata of dolomite and limestone bedrock. The SQLF is located in an area where the Dundee Formation (mostly limestone) and the Detroit River Group (limestone, dolostone and some sandstone) underlie the unconsolidated glacial drift and are the uppermost aquifer. At SQLF, the Dundee Formation is overlain by anywhere from less than 15 feet to more than 70 feet of unconsolidated material, most of which is clay-rich soil with some fill. The top of the Dundee Formation limestone/dolostone bedrock was encountered at depths ranging from 16.5 to 74.5 ft bgs and including the underlying Detroit River Group limestone/dolostone/ sandstone, extends to depths ranging from 235 to over 310 ft bgs. The underlying Sylvania Sandstone was encountered at depths ranging from 235 to 300 ft bgs in some locations at the SQLF.

As expected, data show that groundwater levels are significantly lower within the bedrock in monitoring wells that are the closest to the quarry where significant pumping is occurring, with water levels ranging from 80 to more than 240 ft bgs. Groundwater flow is consistently inward toward the base of the quarry due to continuous pumping that hydraulically controls groundwater flow. The pumped water from the quarry is managed in accordance with a National Pollution Discharge Elimination System (NPDES) permit. Quarry dewatering results in all the perimeter uppermost aquifer CCR monitoring wells being upgradient of the SQLF CCR unit.

Because the uppermost aquifer is in an area where pumping has been performed continuously before CCR disposal began, and will be continued to be dewatered, a continuous inward hydraulic gradient is maintained. As a result, there is no reasonable probability for the uppermost aquifer perimeter monitoring wells to have been affected by the SQLF CCR unit operations to date, nor could they be in the future under current pumping conditions.

2.0 Groundwater Monitoring

2.1 Monitoring Well Network

A groundwater monitoring system has been established for the SQLF CCR unit as detailed in the *Groundwater Monitoring System Summary Report – DTE Electric Company Sibley Quarry Coal Combustion Residual Landfill* (GWMS Report) (TRC, October 2017). The detection monitoring well network for the SQLF CCR unit currently consists of eight monitoring wells, MW-101 through MW-107 and MW-108A, which replaced decommissioned monitoring well MW-108 in January 2017. Monitoring wells MW-101 through MW-107 and MW-108A are located around the perimeter of the SQLF and provide data on both background and perimeter groundwater quality that has not been affected by the CCR unit (total of eight background/compliance monitoring wells) given that inward gradients are maintained by continuous dewatering within the quarry. All monitoring wells are screened in the uppermost aquifer. 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 2025 (1SA25) was performed on April 14, 2025, 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 eight monitoring well locations. Groundwater samples were collected from the eight detection monitoring wells for the Appendix III indicator parameters and field parameters. A summary of the groundwater data collected during the April 2025 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 2025 (2SA25) was performed on October 20, 2025 by TRC personnel and samples were analyzed by Eurofins in accordance with the QAPP. Static water elevation data were collected at all eight monitoring well locations. Groundwater samples were collected from the eight detection monitoring wells for the Appendix III indicator parameters and field parameters. A summary of the groundwater data collected during the October 2025 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 for the April and October 2025 monitoring events are included in Appendix B and C, respectively.

2.2.2 Data Quality Review

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

2.2.3 Groundwater Flow Rate and Direction

Groundwater elevation data collected during the April and October 2025 sampling events continue to show that groundwater within the uppermost aquifer flows radially into the quarry as a result of continuous pumping/dewatering at the site. Groundwater potentiometric surface elevations measured across the site during the April 2025 and the October 2025 sampling events are provided on Table 1 and were used to construct the groundwater potentiometric surface maps shown on Figures 3 and 4, respectively.

The data indicates that current groundwater flow rates and direction are consistent with previous monitoring events. The average hydraulic gradients throughout the site were 0.100 ft/ft for both monitoring events, resulting in estimated average seepage velocities of approximately 6.8 ft/day or 2,500 ft/year, using the average hydraulic conductivity of 6.8 ft/day (Golder, 2015) and an assumed effective porosity of 0.1.

Given that groundwater flow is maintained inward toward the quarry under active pumping, all the perimeter monitoring wells in the groundwater monitoring system are located in an upgradient position relative to the landfill. Therefore, there is no potential for groundwater to migrate away from the SQLF CCR unit.

3.0 Statistical Evaluation

3.1 Establishing Background Limits

As discussed in the Stats Plan, intrawell statistical methods for the SQLF were selected because the uppermost aquifer is in an area where pumping has been performed continuously since before CCR disposal began, and will be continued to be dewatered, resulting in a maintained continuous inward hydraulic gradient. Given that groundwater flow is inward under pumping conditions toward the quarry, all the perimeter monitoring wells in the groundwater monitoring system are located in an upgradient position relative to the landfill. Therefore, monitoring of the SQLF CCR unit using interwell statistical methods (upgradient to downgradient) is not possible. This also supports that the aquifer is unaffected by the CCR unit, where, as a result of the continuously maintained inward gradient, there is no reasonable probability for the perimeter monitoring wells within the uppermost aquifer to have been affected by the SQLF CCR unit operations to date, nor could they be in the future under current pumping conditions. An intrawell statistical approach requires that each of the monitoring wells double as background and compliance wells, 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 eight established detection monitoring wells (MW-101 through MW-107 and MW108A). -The initial statistical evaluation of the background data is presented in the 2017 Annual Report. 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 SQLF CCR unit 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 for the SQLF were updated per the Stats Plan and Unified Guidance in December 2021 to incorporate additional data collected since 2017 as presented in the December 15, 2021 Technical Memorandum, *Prediction Limit Update – DTE Electric Company, Sibley Quarry 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 2025 Semiannual Event (April 2025)

The concentrations of the indicator parameters in each of the detection monitoring wells (MW-101 through MW-107 and MW-108A) were compared to their respective statistical background limits calculated from the background data collected from each individual well (i.e., monitoring data from MW-101 is compared to the background limit developed using the

background dataset from MW-101, and so forth).

The statistical evaluation of the April 2025 Appendix III indicator parameters showed initial potential SSIs over background for:

- TDS at MW-101; and
- Boron at MW-102.

The boron and chloride concentrations at MW-101 and the chloride concentrations at MW-107 have been previously demonstrated to be from natural variability and/or other off-site anthropogenic sources drawn onsite from continuous dewatering and not from a release at the SQLF CCR unit as presented in the still applicable August 2019, August 2020 and February 2024 ASDs. The 2019, 2020 and 2024 ASDs were prepared for the uppermost usable aquifer under the CCR Rule and included in the 2019, 2020 and 2024 annual GWMRs, respectively.

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-101 for TDS and at MW-102 for boron as described in Section 3.3. There were no potential SSIs compared to background for calcium, chloride, fluoride, pH, or sulfate. The comparisons for the April 2025 monitoring event are presented on Table 3..

3.3 Verification Resampling – First Semiannual Event (April 2025)

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. Only constituents that initially exceed their statistical limit (i.e., have no previously recorded SSIs) will be analyzed for verification purposes. As such, verification resampling was conducted on May 16, 2025 by TRC personnel for TDS at MW-101 and boron at MW-102. A summary of the groundwater data collected during the verification resampling event is provided on Table 3. The associated data quality review is included in Appendix D.

The May 2025 verification sampling confirmed the potential SSIs for TDS at MW-101 and boron at MW-102. Per §257.94(e), TRC and DTE Electric have reviewed the data and determined that TDS in MW-101 and boron in MW-102 are a result of natural variability in groundwater quality and/or other off-site anthropogenic sources drawn onsite from continuous dewatering and are not attributable to the SQLF CCR unit as presented in the *Alternate Source Demonstration: 2025 First Semiannual Detection Monitoring Sampling Event for the Sibley Quarry Coal Combustion Residual Landfill, Trenton, Michigan*, dated August 28, 2025 (August 2025 ASD) (Appendix A).

As such, detection monitoring was continued in accordance with §257.94 of the CCR Rule.

3.4 Data Comparison to Background Limits – Second 2025 Semiannual Event (October 2025)

The concentrations of the indicator parameters in each of the detection monitoring wells (MW-101 through MW-107 and MW-108A) were compared to their respective statistical background limits calculated from the background data collected from each individual well (i.e., monitoring data from MW-101 is compared to the background limit developed using the background dataset from MW-101, and so forth).

The statistical evaluation of the October 2025 Appendix III indicator parameters shows no initial potential SSIs compared to background for any of the constituents. The boron and chloride concentrations at MW-101 have been previously demonstrated to be from natural variability and/or other off-site anthropogenic sources drawn onsite from continuous dewatering and are not from a release at SQLF CCR unit as presented in the still applicable August 2019 and August 2020 ASDs. Therefore, no verification resampling was performed. The comparisons for the October 2025 monitoring event are presented on Table 4.

4.0 Conclusions and Recommendations

No SSIs over background limits associated with the SQLF CCR unit were observed for the Appendix III constituents during the 2025 monitoring period. Therefore, detection monitoring will be continued at the SQLF CCR unit in accordance with §257.94.

As discussed above, and in the GWMS Report, because the uppermost aquifer is in an area where pumping has been performed continuously since before CCR disposal began and will continue to be dewatered to maintain a continuous inward hydraulic gradient, there is no reasonable probability for the uppermost aquifer perimeter monitoring wells to have been affected by the SQLF CCR unit operations to date, nor could they be in the future under current pumping conditions.

No corrective actions were performed in 2025. The next semiannual monitoring event at the SQLF CCR unit is scheduled for the second calendar quarter of 2026.

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
Sibley Quarry Coal Combustion Residual Landfill
Trenton, Michigan

CERTIFICATION

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

Name: David B. McKenzie, P.E.	Expiration Date: December 17, 2027	 Stamp 1/30/26
Company: TRC Engineers Michigan, Inc.	Date: January 30, 2026	

6.0 References

TRC. August 2016; Revised March 2017. CCR Groundwater Monitoring and Quality Assurance Project Plan – DTE Electric Company – Sibley Quarry Coal Combustion Residual Landfill, 801 Fort Street, Trenton, Michigan. Prepared for DTE Electric Company.

TRC. October 2017. Groundwater Monitoring System Summary Report – Sibley Quarry Coal Combustion Residual Landfill, 801 Fort Street, Trenton, Michigan. Prepared for DTE Electric Company.

TRC. October 2017. Groundwater Statistical Evaluation Plan –DTE Electric Company Sibley Quarry Coal Combustion Residual Landfill, 801 Fort Street, Trenton, Michigan. Prepared for DTE Electric Company.

TRC. January 2018. Annual Groundwater Monitoring Report – DTE Electric Company Sibley Quarry Coal Combustion Residual Landfill, 801 Fort Street, Trenton, Michigan. Prepared for DTE Electric Company.

TRC. August 8, 2019. Alternate Source Demonstration: 2019 First Semiannual Detection Monitoring Sampling Event Sibley Quarry Coal Combustion Residual Landfill, Trenton, Michigan. Prepared for DTE Electric Company.

TRC. August 26, 2020. Alternate Source Demonstration: 2020 First Semiannual Detection Monitoring Sampling Event Sibley Quarry Coal Combustion Residual Landfill, Trenton, Michigan. Prepared for DTE Electric Company.

TRC. February 29, 2024. Alternate Source Demonstration: 2023 Second Semiannual Detection Monitoring Sampling Event Sibley Quarry Coal Combustion Residual Landfill, Trenton, Michigan. Prepared for DTE Electric Company.

TRC. January 2025. 2024 Annual Groundwater Monitoring Report – DTE Electric Company, Sibley Quarry Landfill, Coal Combustion Residual Unit. Prepared for DTE Electric Company.

USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA facilities, Unified Guidance. Office of Conservation and Recovery. EPA 530/R-09-007.

Tables

Table 1
Summary of Groundwater Elevation Data – 2025
Sibley Quarry Landfill
Trenton, Michigan

Well ID	MW-101		MW-102		MW-103		MW-104		MW-105		MW-106		MW-107		MW-108A	
Date Installed	7/14/2015		7/16/2015		7/15/2015		7/16/2015		3/30/2016		3/28/2016		4/6/2016		1/24/2017	
TOC Elevation	617.67		615.03		607.23		608.39		593.28		606.75		610.03		594.06	
Geologic Unit of Screened Interval	Limestone Bedrock		Limestone Bedrock		Limestone Bedrock		Limestone Bedrock		Limestone Bedrock		Limestone Bedrock		Limestone Bedrock		Sandstone Bedrock	
Bottom of Open Hole Elevation	295.2		342.6		294.7		296.0		290.7		304.0		336.5		290.5	
Unit	ft BTOC	ft	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	Depth to Water	GW Elevation
4/14/2025	178.00	439.67	207.95	407.08	130.20	477.03	80.20	528.19	20.04	573.24	107.20	499.55	155.50	454.53	47.87	546.19
10/20/2025	191.54	426.13	246.25	368.78	165.50	441.73	118.40	489.99	22.50	570.78	107.71	499.04	155.40	454.63	53.75	540.31

Notes:

Elevations are reported in feet relative to the national geodetic vertical datum of 1929.

ft BTOC - feet below top of casing

Table 2
Summary of Groundwater Field Parameters – 2025
Sibley Quarry Landfill
Trenton, Michigan

Sample Location	Sample Date	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH (SU)	Specific Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)
MW-101	4/14/2025	0.73	-239.2	7.2	1,640	11.5	3.00
	5/16/2025 (1)	0.36	-150.9	6.8	2,410	12.4	2.15
	10/20/2025	0.53	-291.0	7.1	1,526	12.5	39.5
MW-102	4/14/2025	5.24	-111.0	7.1	1,406	11.4	2.70
	5/16/2025 (1)	6.11	92.3	6.8	1,992	13.5	1.76
	10/20/2025	2.23	-196.2	6.9	1,547	11.7	6.75
MW-103	4/14/2025	0.20	-358.4	6.9	2,384	11.7	2.90
	10/20/2025	0.44	-339.0	7.0	2,592	13.3	3.90
MW-104	4/14/2025	0.03	-345.9	7.1	2,289	12.3	1.66
	10/20/2025	0.24	-217.2	7.1	1,998	13.4	0.50
MW-105	4/14/2025	0.11	-170.4	7.0	7,647	11.9	1.48
	10/20/2025	0.47	-280.2	7.0	8,964	13.1	6.07
MW-106	4/14/2025	0.21	-364.8	6.8	2,261	12.0	1.00
	10/20/2025	0.23	-252.2	6.6	2,012	15.7	0.49
MW-107	4/14/2025	0.11	-368.0	6.9	34,202	11.6	2.51
	10/20/2025	0.46	-305.0	6.9	36,878	13.6	7.91
MW-108A	4/14/2025	0.00	-158.3	7.0	4,234	12.4	4.89
	10/20/2025	0.31	-49.2	7.0	3,980	12.4	NM
	11/20/2025 (2)	0.62	-57.8	6.9	4,409	11.60	9.80

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 5/16/2025.

(2) Results shown for verification sampling performed on 11/20/2025.

NM - Not Measured: Turbididty was not measured at MW-108A on 10/20/2025 due to equipment malfunction, however, the sample was observed to be visually clear.

Table 3
Comparison of Groundwater Detection Parameter Results to Background Limits – April 2025
Sibley Quarry Landfill
Trenton, Michigan

Sample Location:		MW-101			MW-102			MW-103		MW-104		MW-105		MW-106		MW-107		MW-108A	
Sample Date:		4/14/2025	5/16/2025[1]	PL	4/14/2025	5/16/2025[1]	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL
Constituent	Unit	Data	Data		Data	Data		Data		Data		Data		Data		Data		Data	
Appendix III																			
Boron	ug/L	**390[2]**	--	320	**160**	**230[5]**	150	780	820	750	950	2,100	2,600	690	2,400	1,500	1,600	1,100	1,400
Calcium	ug/L	190,000	--	260,000	250,000	--	300,000	590,000	630,000	430,000	520,000	590,000	790,000	540,000	640,000	100,000	1,500,000	340,000	460,000
Chloride	mg/L	**330[3]**	--	220	190	--	260	140	160	230	690	3,200	4,500	110	180	**23,000[4]**	21,000	1,400	2,100
Fluoride	mg/L	1.5	--	2.0	1.4	--	1.8	1.3	2.0	1.5	2.3	1.0	5.8	1.5	3.0	< 5	2.5	0.87	2.5
pH, Field	su	7.2	--	6.8 - 7.8	7.1	--	6.5 - 7.6	6.9	6.7 - 7.6	7.1	6.8 - 7.9	7.0	6.6 - 7.9	6.8	6.5 - 7.6	6.9	6.5 - 7.6	7.0	6.7 - 7.0
Sulfate	mg/L	510	--	700	450	--	720	1,900	2,100	1,800	1,900	1,900	2,200	1,800	2,100	3,500	3,700	930	1,200
Total Dissolved Solids	mg/L	**1,600**	**1,600[5]**	1,400	1,400	--	1,700	3,100	3,600	2,800	3,700	7,000	9,400	2,900	3,200	34,000	39,000	3,800	4,900

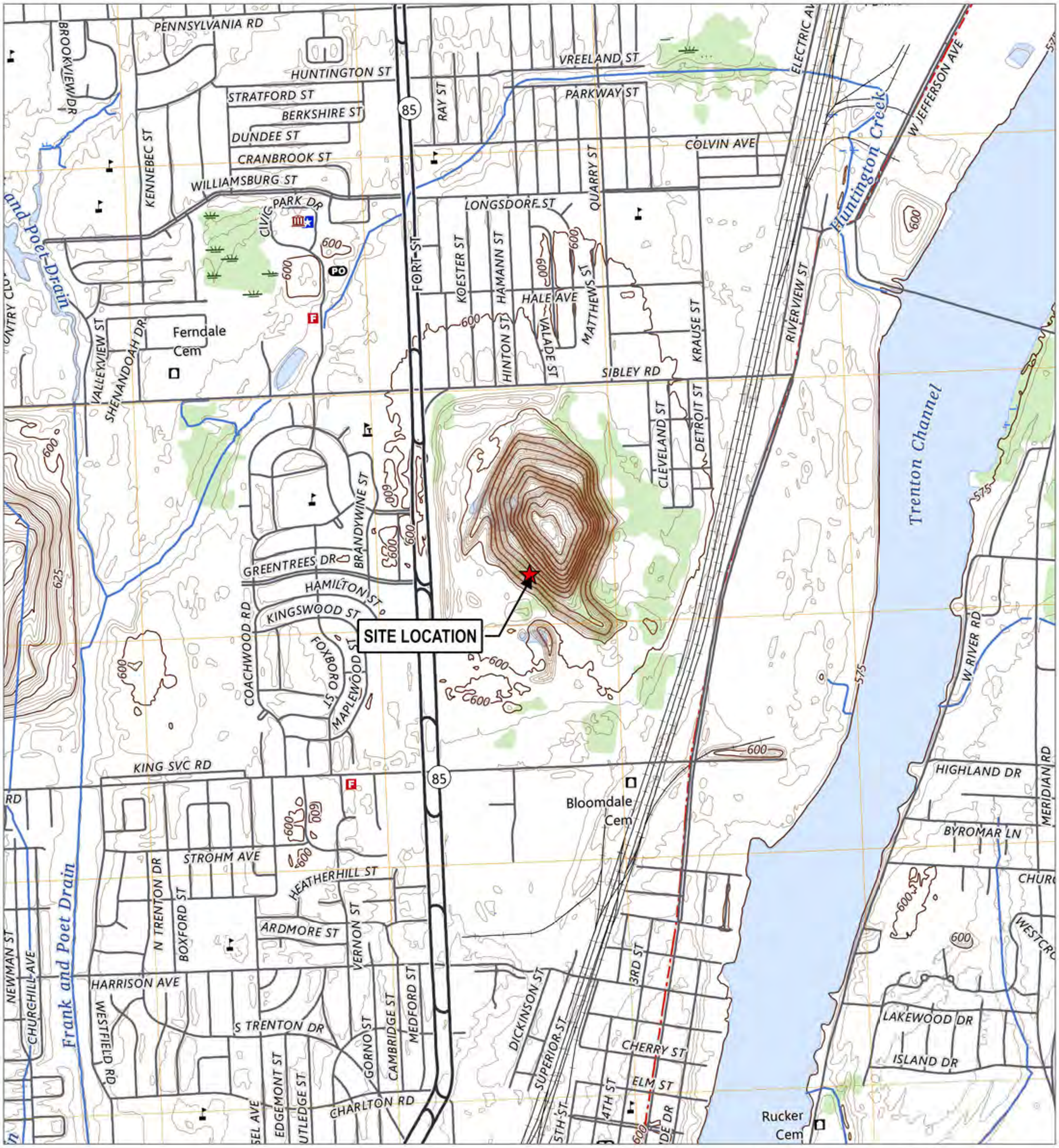
Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
All metals were analyzed as total unless otherwise specified.
Bold font indicates an exceedance of the Prediction Limit (PL).
RESULT Shading and bold font indicates a confirmed exceedance of the Prediction Limit (PL).
-- not analyzed
(1) - Results shown for verification sampling completed on 5/16/2025.
(2) - Exceedance determined to be from an alternate source in the still applicable, First semiannual 2019 alternate source demonstration dated 8/8/2019.
(3) - Exceedance determined to be from an alternate source in the still applicable, First semiannual 2020 alternate source demonstration dated 8/26/2020.
(4) - Exceedance determined to be from an alternate source in the still applicable, Second semiannual 2023 alternate source demonstration dated 2/29/2024.
(5) - Exceedance determined to be from an alternate source in the First semiannual 2025 alternate source demonstration dated 8/28/2025.

Table 4
Comparison of Groundwater Detection Parameter Results to Background Limits – October 2025
Sibley Quarry Landfill
Trenton, Michigan

Sample Location:		MW-101		MW-102		MW-103		MW-104		MW-105		MW-106		MW-107		MW-108A	
Sample Date:		10/20/2025	PL	10/20/2025	PL	10/20/2025	PL	10/20/2025	PL	10/20/2025	PL	10/20/2025	PL	10/20/2025	PL	10/20/2025	PL
Constituent	Unit	Data		Data		Data		Data		Data		Data		Data		Data	
Appendix III																	
Boron	ug/L	**350**[(1)]	320	150	150	740	820	740	950	2,400	2,600	680	2,400	1,300	1,600	1,200	1,400
Calcium	ug/L	240,000	260,000	290,000	300,000	590,000	630,000	510,000	520,000	730,000	790,000	590,000	640,000	1,400,000	1,500,000	430,000	460,000
Chloride	mg/L	**240**[(2)]	220	180	260	140	160	210	690	3,300	4,500	110	180	19,000	21,000	1,600	2,100
Fluoride	mg/L	1.8	2.0	1.7	1.8	1.8	2.0	1.6	2.3	1.3	5.8	1.7	3.0	< 5	2.5	1.2	2.5
pH, Field	su	7.1	6.8 - 7.8	6.9	6.5 - 7.6	7.0	6.7 - 7.6	7.1	6.8 - 7.9	7.0	6.6 - 7.9	6.6	6.5 - 7.6	6.9	6.5 - 7.6	7.0	6.7 - 7.0
Sulfate	mg/L	520	700	590	720	1,800	2,100	1,600	1,900	2,000	2,200	1,700	2,100	3,200	3,700	990	1,200
Total Dissolved Solids	mg/L	1,400	1,400	1,400	1,700	3,200	3,600	2,900	3,700	7,800	9,400	3,000	3,200	33,000	39,000	4,000	4,900

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) - Exceedance was determined to be from an alternate source in the still applicable First 2019 Semiannual Alternate Source Demonstration dated 8/8/2019.
(2) - Exceedance was determined to be from an alternate source in the still applicable First 2020 Semiannual Alternate Source Demonstration dated 8/26/2020.

Figures



LEGEND

★ SITE LOCATION

N

0 1,000 2,000

FEET

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

BASE MAP: USGS TOPOGRPAHIC MAP (7-6-2023), WYANDOTTE MICHIGAN QUAD

DATA SOURCES: TRC

PROJECT:	DTE ELECTRIC COMPANY SIBLEY QUARRY LANDFILL 801 FORT STREET TRENTON, MICHIGAN
TITLE:	SITE LOCATION MAP

DRAWN BY:	A. CORDAS	PROJ. NO.:	620066.0000.0000
CHECKED BY:	A. WHALEY	FIGURE 1	
APPROVED BY:	V. BUENING		
DATE:	JANUARY 2026		

TRC

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

FILE: 2025_SAMPLE_AND_REPORT

LEGEND

- MONITORING WELLS
- SURFACE WATER SAMPLING LOCATION
- DECOMMISSIONED MONITORING WELL
- SIBLEY QUARRY PROPERTY LINE
- SOLID WASTE DISPOSAL AREA BOUNDARY
- 1 FILL AREA DESIGNATION

NOTES:

1. SITE LAYOUT INFORMATION FROM GEOREFERENCED CAD FILE. FEATURES ARE APPROXIMATE.

2. SURVEY PERFORMED BY THE DTE SURVEY GROUP IN AUGUST 2015, MAY 2016 AND JANUARY 2017.

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED SEPTEMBER 27, 2025
DATA SOURCES: TRC

1:7,200
1" = 600'
0 300 600 FEET

PROJECT:	DTE ELECTRIC COMPANY SIBLEY QUARRY LANDFILL 801 FORT STREET TRENTON, MICHIGAN
TITLE:	MONITORING NETWORK AND SITE PLAN
DRAWN BY: A. CORDAS	PROJ. NO.: 620066.0000.0000
CHECKED BY: A. WHALEY	FIGURE 2
APPROVED BY: V. BUENING	
DATE: JANUARY 2026	

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

FILE:

LEGEND

- MONITORING WELLS
- SURFACE WATER SAMPLING LOCATION
- DECOMMISSIONED MONITORING WELL
- SIBLEY QUARRY PROPERTY LINE
- SOLID WASTE DISPOSAL AREA BOUNDARY
- POTENTIOMETRIC SURFACE CONTOUR (50-FT INTERVAL, DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION
- 439.67 GROUNDWATER ELEVATION (FT NGVD 1929)
- 1 FILL AREA DESIGNATION

NOTES:

1. SITE LAYOUT INFORMATION FROM GEOREFERENCED CAD FILE. FEATURES ARE APPROXIMATE.

2. SURVEY PERFORMED BY THE DTE SURVEY GROUP IN AUGUST 2015, MAY 2016 AND JANUARY 2017.

3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY 3, 2024 AND APRIL 29, 2025
DATA SOURCES: TRC

1:7,200
1" = 600'
0 300 600 FEET

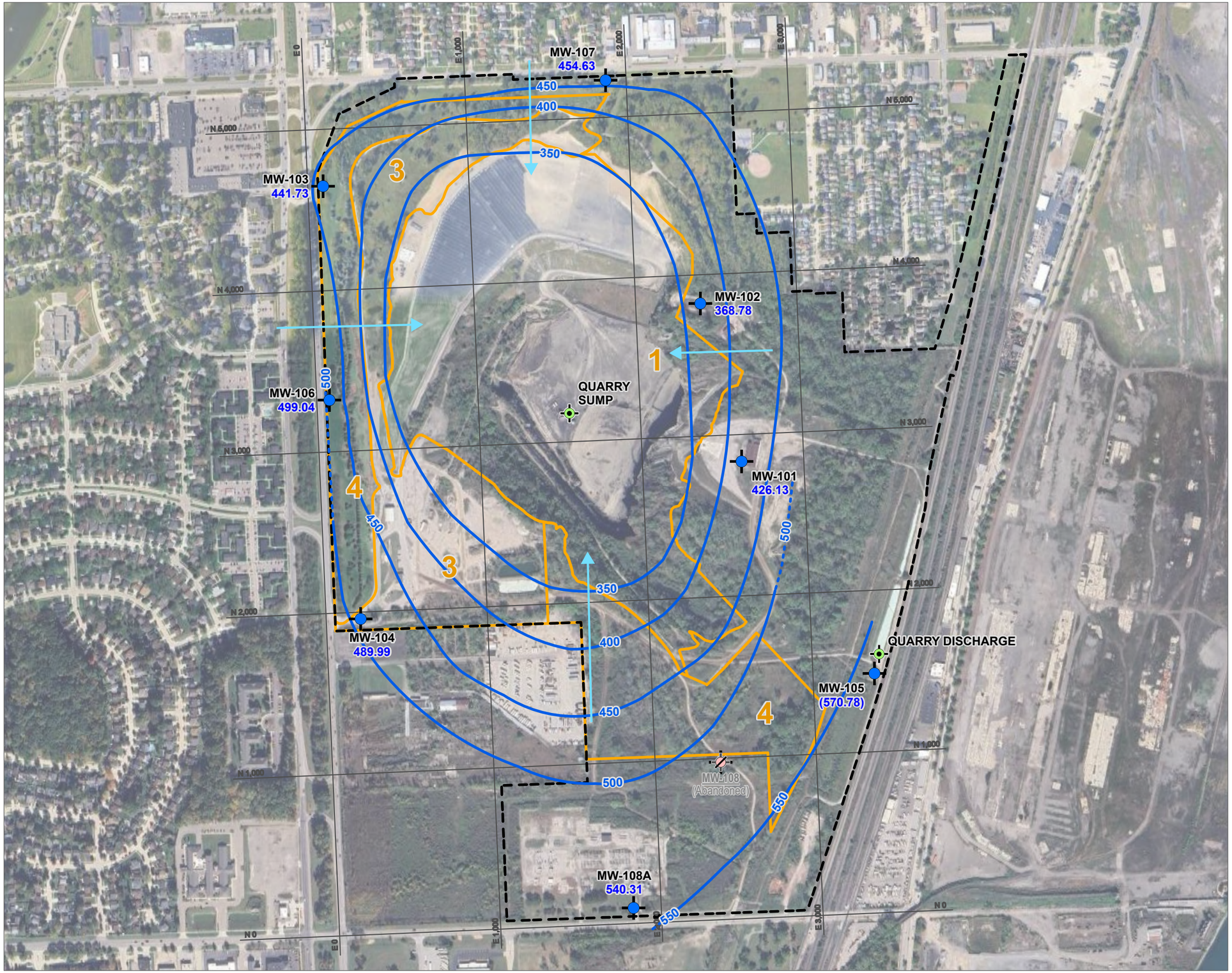
PROJECT: DTE ELECTRIC COMPANY
SIBLEY QUARRY LANDFILL
801 FORT STREET
TRENTON, MICHIGAN

TITLE: GROUNDWATER POTENTIOMETRIC SURFACE MAP - APRIL 2025

DRAWN BY:	L. LILL	PROJ. NO.:	620066.0000.0000
CHECKED BY:	A. WHALEY		FIGURE 3
APPROVED BY:	V. BUENING		
DATE:	JULY 2025		

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

FILE: 2025_Sample_and_Report.aprx



LEGEND

- MONITORING WELLS
- SURFACE WATER SAMPLING LOCATION
- DECOMMISSIONED MONITORING WELL
- SIBLEY QUARRY PROPERTY LINE
- SOLID WASTE DISPOSAL AREA BOUNDARY
- POTENTIOMETRIC SURFACE CONTOUR (50-FT INTERVAL, DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION
- 439.67 GROUNDWATER ELEVATION (FT NGVD 1929)
- 1 FILL AREA DESIGNATION

NOTES:

1. SITE LAYOUT INFORMATION FROM GEOREFERENCED CAD FILE. FEATURES ARE APPROXIMATE.
2. SURVEY PERFORMED BY THE DTE SURVEY GROUP IN AUGUST 2015, MAY 2016 AND JANUARY 2017.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED SEPTEMBER 27, 2025
DATA SOURCES: TRC

1:7,200
1" = 600'
0 300 600 FEET

PROJECT:	DTE ELECTRIC COMPANY SIBLEY QUARRY LANDFILL 801 FORT STREET TRENTON, MICHIGAN
TITLE:	GROUNDWATER POTENTIOMETRIC SURFACE MAP - OCTOBER 2025
DRAWN BY:	A. CORDAS
CHECKED BY:	A. WHALEY
APPROVED BY:	V. BUENING
DATE:	JANUARY 2026
PROJ. NO.:	620066.0000.0000
	FIGURE 4

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

FILE: 2025_Sample_and_Report.aprx

Appendix A
Alternate Source Demonstration: 2025 First Semiannual Detection Monitoring Sampling Event

1540 Eisenhower Pl. **T** 734.971.7080
Ann Arbor, MI 48108

August 28, 2025

Jim Bakun
District Geologist
Materials Management Division
Michigan Department of Environment, Great Lakes, and Energy (EGLE)
27700 Donald Court
Warren, MI 48092-2793

Subject: Alternate Source Demonstration: 2025 First Semiannual Detection Monitoring Sampling Event
Sibley Quarry Landfill Coal Combustion Residual Unit
801 Fort Street, Trenton, Michigan

Dear Mr. Bakun:

TRC was retained by DTE Electric Company (DTE Electric) to conduct routine groundwater monitoring activities for the uppermost aquifer at the Sibley Quarry Landfill (SQLF) coal combustion residual (CCR) unit, located in Trenton, Michigan. Routine groundwater monitoring at the SQLF CCR unit is conducted in accordance with the Michigan Department of Environment, Great Lakes, and Energy (EGLE)-approved *Hydrogeological Monitoring Plan for the DTE Electric Company Sibley Quarry Landfill, 801 Fort Street, Trenton, Michigan* (SQLF HMP) (TRC, November 5, 2019; Revised March 17, 2020) and the United States Environmental Protection Agency (USEPA) final rule for the regulation and management of CCR under the Resource Conservation and Recovery Act (RCRA) (the CCR Rule), as amended (USEPA, April 2015).

As discussed in the *First Semiannual 2025 Groundwater Monitoring Report* (Second Quarter 2025 Report) (TRC, July 2025), the statistical evaluation of the April 2025 detection monitoring indicator parameters showed potential statistically significant increases (SSIs) over the prediction limit (PL) for total dissolved solids (TDS) at MW-101, and boron and iron at MW-102 (Table 1). Verification resampling for the April 2025 event was conducted on May 16, 2025 by TRC personnel. The verification results for TDS at MW-101, and boron and iron at MW-102 were above their respective PLs, confirming the initial potential SSIs from the April 2025 sampling event (Table 1).

In accordance with §257.94(e)(2) and the 2020 HMP, DTE Electric may demonstrate that a source other than the CCR unit caused the SSI or that the SSI resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. This Alternate Source Demonstration (ASD) has been prepared to address the SSIs identified in the April 2025 detection monitoring event and demonstrates that the TDS, boron, and iron SSIs are not due to a release of CCR leachate into the uppermost aquifer.

Background

The SQLF is located in Section 7, Township 4 South, Range 11 East, at 801 Fort Street in Trenton, Wayne County, Michigan. The site location is shown in Figure 1. The former limestone quarry began operations in the mid-1800s and was mined to over 300 feet below ground surface (ft bgs). Quarry

dewatering activities were necessary to facilitate limestone mining. The groundwater elevation is currently maintained at a depth of approximately 300 feet below ground surface. In 1951, Detroit Edison (now DTE Electric) acquired the quarry for the purpose of CCR landfilling (TRC, January 2018).

The SQLF resides in an area characterized by near surface deposits of approximately 16.5 to 74.5 feet of glacio-lacustrine clay and silt units on top of thick strata of dolomite and limestone bedrock. Limestone bedrock strata underlaying the clay-rich soil extends to over 310 ft bgs and is considered the uppermost aquifer at the site (TRC, January 2018). The CCR detection monitoring well network for the SQLF currently consists of eight monitoring wells installed in the uppermost aquifer, details for which can be found in the Groundwater Monitoring System Summary Report – DTE Electric Sibley Quarry Coal Combustion Residual Landfill (TRC, October 2017). Monitoring well locations are shown in Figure 2.

Due to the dewatering of the quarry, at a rate of approximately 1.5 million gallons per day (MGD), groundwater levels are significantly lower within the bedrock monitoring wells that are closest to the quarry. The pumping creates an inward hydraulic gradient and prevents groundwater contact with the CCR material. All CCR monitoring network wells are therefore considered upgradient of the CCR disposal unit. Based on the site-specific hydrogeological conditions, the uppermost aquifer cannot be affected by CCR disposal operations. A current potentiometric map of the site is provided in Figure 3.

Alternate Source Demonstration

As discussed above, verification resampling was performed as recommended per the Stats Plan and the Unified Guidance to achieve performance standards as specified by §257.93(g) in the CCR Rule and the 2020 HMP. Per the Statistical Evaluation 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. Only constituents that initially exceed their statistical limit (i.e. have no previously recorded SSIs) will be analyzed for verification purposes. As such, verification resampling was conducted on May 16, 2025, by TRC personnel, and groundwater samples were collected in accordance with the CCR Groundwater Monitoring and Quality Assurance Project Plan – DTE Electric Company Sibley Quarry Coal Ash Landfill (QAPP) (TRC, August 2016; Revised March 2017) and the 2020 HMP. A summary of the groundwater data collected during the verification resampling event is provided on Table 1.

The verification resampling confirmed the SSI exceedances for TDS at MW-101 and boron and iron at MW-102 (Table 1). The following discussion presents the Alternative Source Demonstration (ASD) for the confirmed prediction limit exceedance for TDS at MW-101 and boron and iron at MW-102. As mentioned above, continuous quarry dewatering activities that hydraulically control groundwater levels in the SQLF and maintain significant inward gradients toward the SQLF demonstrate that Appendix III concentrations in groundwater are from an off-site source other than the SQLF CCR unit. Prior to and during CCR landfilling operations, which began at the Sibley Quarry in 1951, dewatering has occurred via a sump in the bottom of the 300-foot-deep excavation. The groundwater discharge rate is kept at approximately 1.5 MGD to maintain the water level at the bottom of the quarry at approximately 300 ft bgs. Dewatering operations will continue, ensuring that no direct contact between the groundwater and the CCR waste occurs, and that an inward hydraulic gradient will be maintained, preventing any release of CCR constituents. As a result of dewatering activities, the groundwater monitoring wells are all

upgradient and therefore changes in groundwater constituent concentrations are derived from natural conditions within the aquifer and/or other off-site anthropogenic sources. Although the maintained inward gradient inhibits perimeter groundwater from being influenced by landfill operations, additional supporting lines of evidence specific to the SSIs are presented below.

TDS at MW-101: The SSI of TDS at MW-101, shown graphically as data points greater than the PL in Figure 4, is the result of natural variability in the groundwater quality and/or from an off-site source and not the release of CCR constituents from the SQLF CCR unit. Multiple lines of evidence are provided in support of this conclusion and are as follows:

- **Laboratory precision and accuracy**–The laboratory-reported TDS concentrations for the MW-101 groundwater samples collected during the first semiannual 2025 sampling event (April 2025 original sample and the May 2025 confirmation sample) are slightly higher than the PL. However:
  - TDS: The laboratory precision and accuracy range for TDS is +/- 20%. The April (1,600 milligrams per liter (mg/L)) and May (1,600 mg/L) 2025 groundwater samples had TDS detected at concentrations that were only slightly above the MW-101 PL of 1,400 mg/L. As such, the PL for each of these samples is within the margin of error of the laboratory results.
- **Dominant groundwater type** – Groundwater at the SQLF is from a fractured limestone and dolomite formation underlain by a groundwater rich in the constituents that make up TDS (i.e. calcium, sulfate, chloride, and iron) within a sandstone formation. This is apparent in the background monitoring data for the monitoring wells at the SQLF that show:
  - TDS: TDS concentrations in background reportedly range from 1,200 mg/L to 39,000 mg/L. The concentration of TDS measured in MW-101 during the April detection monitoring event is reported as 1,600 mg/L, and the May 2025 verification resample is reported as 1,600 mg/L. The TDS concentrations for both sampling events for MW-101 are within the range of background variation at the SQLF.
- **Off-site anthropogenic sources** – The SQLF has groundwater pumped at approximately 1.5 MGD drawing groundwater from off-site onto the SQLF CCR unit as shown on Figure 3, including from the east into the area of MW-101. To the east of the SQLF CCR unit, and immediately east of MW-101, is a significant historical industrial facility and heavily travelled roadway (Jefferson Ave). The off-site operations and maintenance activities as well as historical snow removal/deicing have the potential to contribute anthropogenic sources of TDS constituents (e.g. potentially from significant road salt use, etc.) to groundwater that is not from the SQLF CCR unit operations.
- **Insufficient background sampling timeline to account for long-term trends** – Variability in TDS concentrations observed in the groundwater at SQLF during the background sampling events provides evidence of the heterogeneity of this constituent in groundwater. Although background concentrations have been updated in 2021 to account for additional temporal variation since the onset of monitoring in 2016, the background dataset still represents a relatively short timeframe considering that the potential horizontal groundwater flow rate towards the quarry ranges from approximately 4.7 feet/day (~1,700 feet/year) to 7.0 feet/day (~2,600 feet/year) for the uppermost aquifer at SQLF (TRC, October 2017; Revised October 2019). Due to this inward hydraulic gradient, groundwater from off-site replaces the groundwater on-site in a relatively short timeframe and background groundwater conditions can change significantly due to potential for off-site influences that are unrelated to on-site activities. The relatively short duration of the background sampling events limit the ability of the statistical analysis to capture the temporal variability and/or influences from other off-site anthropogenic sources in the groundwater quality at the SQLF, as can be seen in the time-series plot on Figure 4 for TDS concentrations at MW-101.

- **Lack of similar increase in other indicator parameters** – The lack of TDS SSIs across the other wells within the monitoring well network during this event also supports a source other than CCR for the observed TDS SSI at MW-101.

Boron and Iron at MW-102: The SSIs of boron and iron at MW-102, shown graphically as data points greater than the PLs in Figures 5 and 6, are the result of natural variability in the groundwater quality and/or from an off-site source and not the release of CCR constituents from the SQLF CCR unit. Multiple lines of evidence are provided in support of this conclusion and are as follows:

- **Dominant groundwater type** – Groundwater at the SQLF is from a fractured limestone and dolomite formation underlain by a groundwater rich in boron and iron within a sandstone formation. This is apparent in the background monitoring data for the monitoring wells at the SQLF that show:
  - Boron: Boron concentrations in background reportedly range from 83 ug/L to 2,600 ug/L. The SSI concentration of boron measured in MW-102 during the April detection monitoring event is reported as 160 ug/L, and the May 2025 verification resample is reported as 230 ug/L. The boron concentrations for both sampling events for MW-102 are within the range of background variation at the SQLF.
  - Iron: Iron concentrations in background reportedly range from not detected above the laboratory's reporting limit (RL) to 17,000 ug/L. The iron concentration measured in MW-102 during the April detection monitoring event is reported as 1,300 ug/L, and the May 2025 verification resample is reported as 3,000 ug/L. The iron concentrations for both sampling events for MW-102 are within the range of background variation at the SQLF.
- **Off-site anthropogenic sources** – The SQLF has groundwater pumped at approximately 1.5 MGD drawing groundwater from off-site onto the SQLF CCR unit as shown on Figure 3, including from the east into the area of MW-102. To the east of the SQLF CCR unit, and immediately east of MW-102, is a significant residential area (high potential salt on roads) and a significant historical industrial facility. Road salts are known to potentially mobilize heavy metals including iron, and boron is a known potential impurity in road salts. The off-site operations and maintenance activities have the potential to contribute anthropogenic sources of boron and iron constituents to groundwater that is not from the SQLF CCR unit operations.
- **Insufficient background sampling timeline to account for long-term trends** – Variability in boron and iron concentrations observed in the groundwater at SQLF during the background sampling events provides evidence of the heterogeneity of this constituent in groundwater. Although background concentrations have been updated in 2021 for boron and created in 2024 for iron to account for additional temporal variation since the onset of monitoring in 2016, the background dataset still represents a relatively short timeframe considering that the potential horizontal groundwater flow rate towards the quarry ranges from approximately 4.7 feet/day (~1,700 feet/year) to 7.0 feet/day (~2,600 feet/year) for the uppermost aquifer at SQLF (TRC, October 2017; Revised October 2019). Due to this inward hydraulic gradient, groundwater from off-site replaces the groundwater on-site in a relatively short timeframe and background groundwater conditions can change significantly due to potential for off-site influences that are unrelated to on-site activities. The relatively short duration of the background sampling events limits the ability of the statistical analysis to capture the temporal variability and/or influences from other off-site anthropogenic sources in the groundwater quality at the SQLF, as can be seen in the time-series plots on Figure 5 and 6 for boron and iron concentrations, respectively, at MW-102.

- **Lack of similar increase in other indicator parameters** – The lack of iron SSIs across the other wells within the monitoring well network during this event also supports a source other than CCR for the observed iron SSI at MW-102.

Conclusions and Recommendations

The information provided in this report serves as the ASD for the DTE Electric SQLF; this ASD was prepared in accordance with 40 CFR 257.94(e)(2) of the CCR Rule and the 2020 HMP and demonstrates that the TDS, boron, and iron SSIs determined based on the April 2025 detection monitoring event are due to the natural variability of background groundwater quality within the uppermost aquifer and/or from off-site anthropogenic sources drawn on-site due to the continuous dewatering. Therefore, based on the information provided in this ASD, DTE Electric will continue detection monitoring as per 40 CFR 257.94 at the SQLF CCR unit.

Signatures and Certifications

Engineer Certification Statement

I hereby certify that the alternative source demonstration presented within this document for the SQLF CCR unit has been prepared to meet the requirements of Title 40 CFR §257.94(e)(2) of the Federal CCR Rule and the March 2020 *Hydrogeological Monitoring Plan for the DTE Electric Company Sibley Quarry Landfill* (2020 HMP). 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 §257.94(e)(2) and the 2020 HMP.

Name: David B. McKenzie, P.E.	Expiration Date: December 17, 2025	
Company: TRC Engineers Michigan, Inc.	Date: August 29, 2025	Stamp

In addition, the signatures below certifies that this letter report was prepared under the direction of a qualified groundwater scientist in accordance with the EGLE-approved HMP and the Stats Plan. A copy of this report will be placed in the facility file.

Sincerely,

TRC

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

Sarah B. Holmstrom, P.G
Senior Hydrogeologist

Attachments

Table 1 Comparison of Verification Sampling Results to Background Limits

Figure 1 Site Location Map
Figure 2 Monitoring Network and Site Plan
Figure 3 Groundwater Potentiometric Surface Map – April 2025
Figure 4 MW-101 TDS Time Series Plot
Figure 5 MW-102 Boron Time Series Plot
Figure 6 MW-102 Iron Time Series Plot

Appendix A References

cc: Christopher P. Scieszka, DTE Electric Company

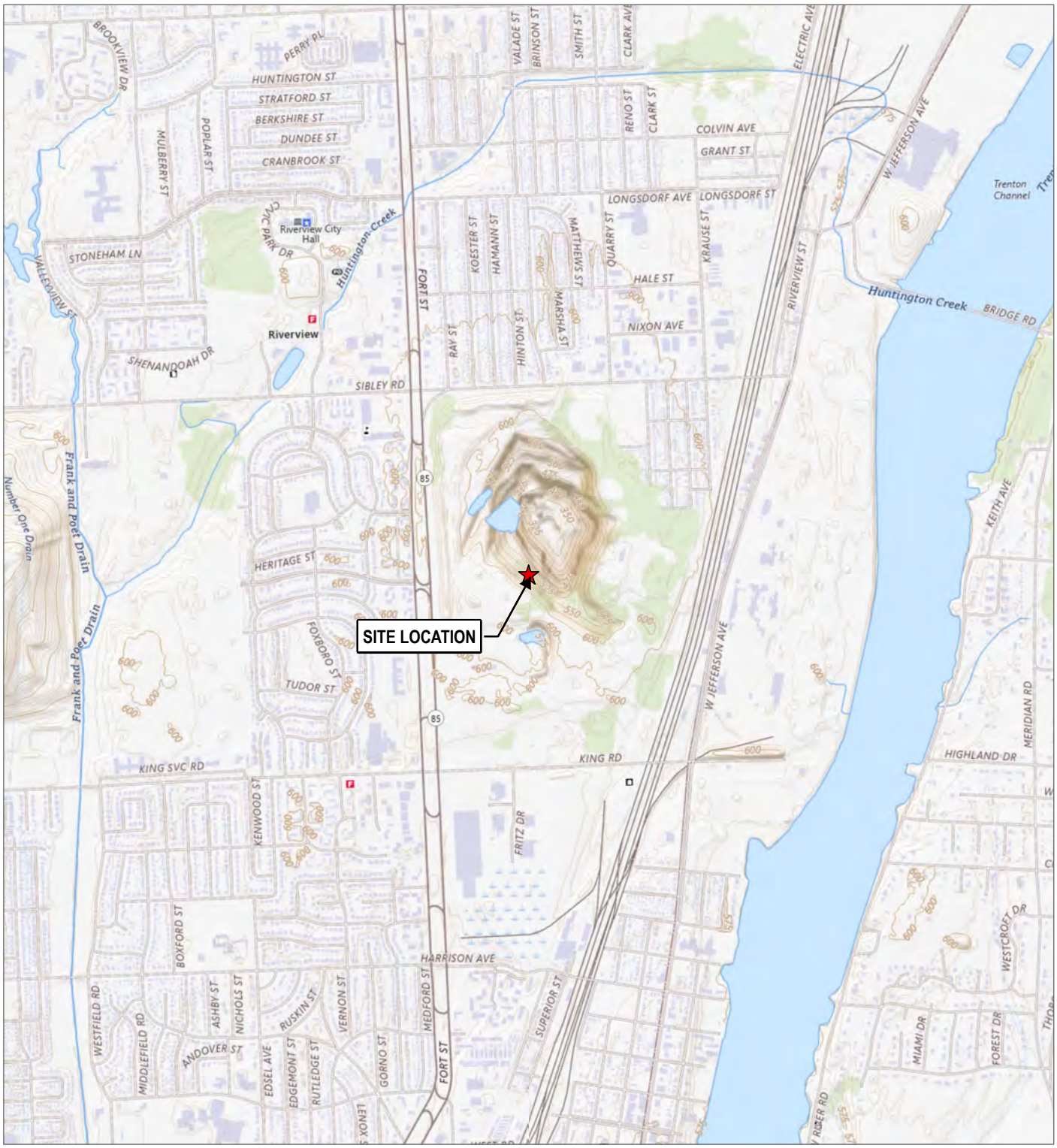
Table

Table 1
Comparison of Groundwater Detection Parameter Results to Background Limits – April 2025
Sibley Quarry Landfill
Trenton, Michigan

Sample Location:		MW-101			MW-102			MW-103		MW-104		MW-105		MW-106		MW-107		MW-108A	
Sample Date:		4/14/2025	5/16/2025(1)	PL	4/14/2025	5/16/2025(1)	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL	4/14/2025	PL
Constituent	Unit	Data	Data		Data	Data		Data		Data		Data		Data		Data		Data	
Appendix III																			
Boron	ug/L	**390(2)**	--	320	**160**	**230**	150	780	820	750	950	2,100	2,600	690	2,400	1,500	1,600	1,100	1,400
Calcium	ug/L	190,000	--	260,000	250,000	--	300,000	590,000	630,000	430,000	520,000	590,000	790,000	540,000	640,000	100,000	1,500,000	340,000	460,000
Chloride	mg/L	**330(3)**	--	220	190	--	260	140	160	230	690	3,200	4,500	110	180	**23,000(4)**	21,000	1,400	2,100
Fluoride	mg/L	1.5	--	2.0	1.4	--	1.8	1.3	2.0	1.5	2.3	1.0	5.8	1.5	3.0	< 5	2.5	0.87	2.5
pH, Field	su	7.2	--	6.8 - 7.8	7.1	--	6.5 - 7.6	6.9	6.7 - 7.6	7.1	6.8 - 7.9	7.0	6.6 - 7.9	6.8	6.5 - 7.6	6.9	6.5 - 7.6	7.0	7.0 - 7.0
Sulfate	mg/L	510	--	700	450	--	720	1,900	2,100	1,800	1,900	1,900	2,200	1,800	2,100	3,500	3,700	930	1,200
Total Dissolved Solids	mg/L	**1,600**	**1,600**	1,400	1,400	--	1,700	3,100	3,600	2,800	3,700	7,000	9,400	2,900	3,200	34,000	39,000	3,800	4,900
Part 115 Parameters																			
Iron	ug/L	< 100	--	220	**1,300**	**3,000**	990	< 100	100	< 100	250	1,700	3,000	430	17,000	940	1,400	540	740

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).
-- not analyzed
(1) - Results shown for verification sampling completed on 5/16/2025.
(2) - Exceedance determined to be from an alternate source in the still applicable, First semiannual 2019 alternate source demonstration dated 8/8/2019.
(3) - Exceedance determined to be from an alternate source in the still applicable, First semiannual 2020 alternate source demonstration dated 8/26/2020.
(4) - Exceedance determined to be from an alternate source in the still applicable, Second semiannual 2023 alternate source demonstration dated 2/29/2024.
RESULT Shading and bold font indicates a confirmed exceedance of the Prediction Limit (PL).

Figures



LEGEND

★ SITE LOCATION

BASE MAP: USGS TOPOGRPAHIC MAP SERVICE, WYANDOTTE MICHIGAN QUAD
DATA SOURCES: TRC

N

0 1,000 2,000

FEET

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

PROJECT: DTE ELECTRIC COMPANY
SIBLEY QUARRY LANDFILL
801 FORT STREET
TRENTON, MICHIGAN

TITLE: SITE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	620066.0000.0000
CHECKED BY:	A. WHALEY		
APPROVED BY:	V. BUENING		FIGURE 1
DATE:	JULY 2025		

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

FILE: 2025_SAMPLE_AND_REPORT

LEGEND

- MONITORING WELLS
- SURFACE WATER SAMPLING LOCATION
- DECOMMISSIONED MONITORING WELL
- SIBLEY QUARRY PROPERTY LINE
- SOLID WASTE DISPOSAL AREA BOUNDARY
- 1 FILL AREA DESIGNATION

NOTES:

1. SITE LAYOUT INFORMATION FROM GEOREFERENCED CAD FILE. FEATURES ARE APPROXIMATE.

2. SURVEY PERFORMED BY THE DTE SURVEY GROUP IN AUGUST 2015, MAY 2016 AND JANUARY 2017.

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY 3, 2024 AND APRIL 29, 2025
DATA SOURCES: TRC

N

1:7,200
1" = 600'
0 300 600 FEET

PROJECT:	DTE ELECTRIC COMPANY SIBLEY QUARRY LANDFILL 801 FORT STREET TRENTON, MICHIGAN		
TITLE:	MONITORING NETWORK AND SITE PLAN		
DRAWN BY:	L. LILL	PROJ. NO.:	620066.0000.0000
CHECKED BY:	A. WHALEY	FIGURE 2	
APPROVED BY:	V. BUENING		
DATE:	JULY 2025		

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

FILE: 2025_Sample_and_Report.aprx

LEGEND

- MONITORING WELLS
- SURFACE WATER SAMPLING LOCATION
- DECOMMISSIONED MONITORING WELL
- SIBLEY QUARRY PROPERTY LINE
- SOLID WASTE DISPOSAL AREA BOUNDARY
- POTENTIOMETRIC SURFACE CONTOUR (50-FT INTERVAL, DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION
- 439.67 GROUNDWATER ELEVATION (FT NGVD 1929)
- 1 FILL AREA DESIGNATION

NOTES:

1. SITE LAYOUT INFORMATION FROM GEOREFERENCED CAD FILE. FEATURES ARE APPROXIMATE.

2. SURVEY PERFORMED BY THE DTE SURVEY GROUP IN AUGUST 2015, MAY 2016 AND JANUARY 2017.

3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY 3, 2024 AND APRIL 29, 2025
DATA SOURCES: TRC

1:7,200
1" = 600'
0 300 600 FEET

PROJECT: DTE ELECTRIC COMPANY
SIBLEY QUARRY LANDFILL
801 FORT STREET
TRENTON, MICHIGAN

TITLE: GROUNDWATER POTENTIOMETRIC SURFACE MAP - APRIL 2025

DRAWN BY:	L. LILL	PROJ. NO.:	620066.0000.0000
CHECKED BY:	A. WHALEY		FIGURE 3
APPROVED BY:	V. BUENING		
DATE:	JULY 2025		

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

FILE: 2025_Sample_and_Report.aprx

FIGURE 4
MW-101 TDS TIME SERIES PLOT

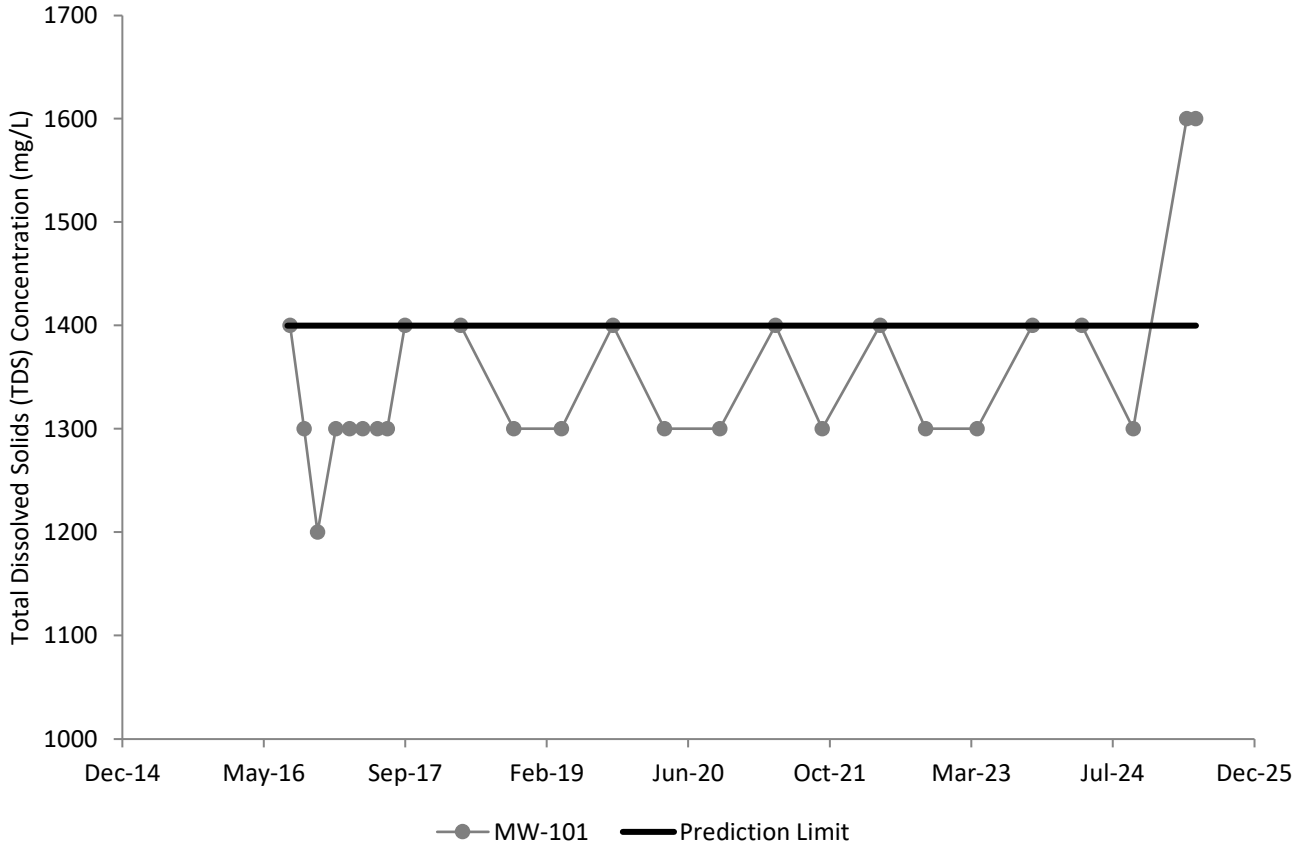


FIGURE 5
MW-102 BORON TIME SERIES PLOT

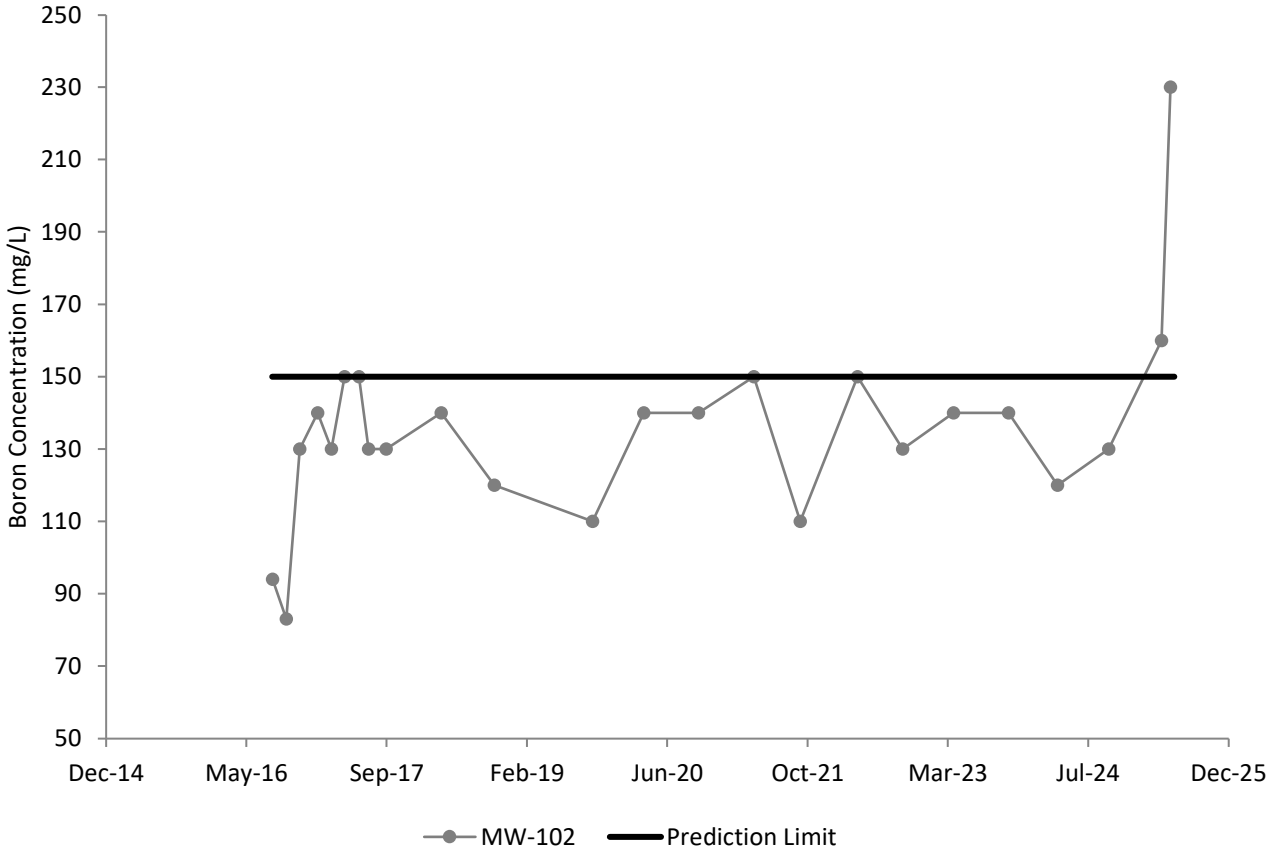
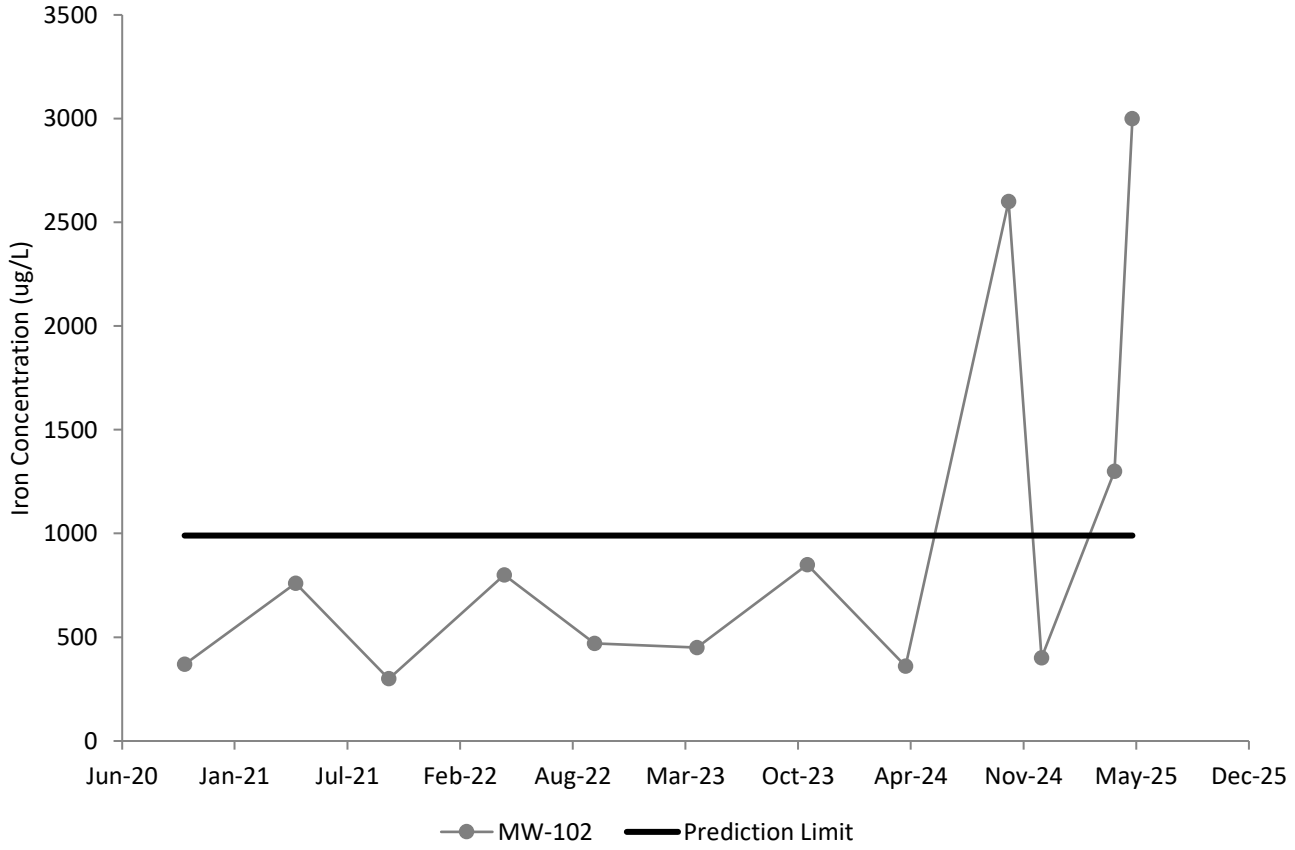


FIGURE 6
MW-102 IRON TIME SERIES PLOT



Appendix A
References

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USEPA. July 2018. 40 CFR Part 257. Hazardous and Solid Waste Management System: Disposal of Coal Combustion Residuals from Electric Utilities; Amendments to the National Minimum Criteria (Phase One, Part One); Final Rule. 83 Federal Register 146 (July 30, 2018), pp. 36435-36456 (83 FR 36435).

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.

Appendix B
Laboratory Analytical Data

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/27/2025 10:58:59 PM

JOB DESCRIPTION

CCR DTE Sibley Quarry

JOB NUMBER

240-222507-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

Job Notes

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

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

Authorization

Generated
4/27/2025 10:58:59 PM

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

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Job ID: 240-222507-1 Eurofins Cleveland

Job Narrative
240-222507-1

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 4/17/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.9°C and 2.2°C.

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

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

Method Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
6020B	Metals (ICP/MS)	SW846	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
9056A	Anions, Ion Chromatography	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

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

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

Laboratory References:

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

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-222507-1	MW-101	Water	04/14/25 10:38	04/17/25 08:00
240-222507-2	MW-102	Water	04/14/25 09:51	04/17/25 08:00
240-222507-3	MW-103	Water	04/14/25 08:15	04/17/25 08:00
240-222507-4	MW-104	Water	04/14/25 12:00	04/17/25 08:00
240-222507-5	MW-105	Water	04/14/25 11:15	04/17/25 08:00
240-222507-6	MW-106	Water	04/14/25 07:31	04/17/25 08:00
240-222507-7	MW-107	Water	04/14/25 09:03	04/17/25 08:00
240-222507-8	MW-108A	Water	04/14/25 12:55	04/17/25 08:00
240-222507-9	QUARRY SUMP	Water	04/15/25 06:35	04/17/25 08:00
240-222507-10	QUARRY DISCHARGE	Water	04/15/25 07:08	04/17/25 08:00
240-222507-11	DUP-01	Water	04/14/25 00:00	04/17/25 08:00

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: MW-101 — Lab Sample ID: 240-222507-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	390		100		ug/L	1		6010D	Total Recoverable
Calcium	190000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1600		20		mg/L	1		2540 C-2020	Total/NA
Chloride	330		10		mg/L	10		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	510		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-102 — Lab Sample ID: 240-222507-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	160		100		ug/L	1		6010D	Total Recoverable
Calcium	250000		1000		ug/L	1		6020B	Total Recoverable
Iron	1300		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1400		20		mg/L	1		2540 C-2020	Total/NA
Chloride	190		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	450		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-103 — Lab Sample ID: 240-222507-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	780		100		ug/L	1		6010D	Total Recoverable
Calcium	590000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	3100		40		mg/L	1		2540 C-2020	Total/NA
Chloride	140		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.3		0.050		mg/L	1		9056A	Total/NA
Sulfate	1900		20		mg/L	20		9056A	Total/NA

Client Sample ID: MW-104 — Lab Sample ID: 240-222507-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	750		100		ug/L	1		6010D	Total Recoverable
Calcium	430000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	2800		40		mg/L	1		2540 C-2020	Total/NA
Chloride	230		10		mg/L	10		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1800		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-105 — Lab Sample ID: 240-222507-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	2100		100		ug/L	1		6010D	Total Recoverable
Calcium	590000		1000		ug/L	1		6020B	Total Recoverable
Iron	1700		100		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-105 (Continued) — Lab Sample ID: 240-222507-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	7000		100		mg/L	1		2540 C-2020	Total/NA
Chloride	3200		50		mg/L	50		9056A	Total/NA
Fluoride	1.0		0.25		mg/L	5		9056A	Total/NA
Sulfate	1900		50		mg/L	50		9056A	Total/NA

Client Sample ID: MW-106 — Lab Sample ID: 240-222507-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	690		100		ug/L	1		6010D	Total Recoverable
Calcium	540000		1000		ug/L	1		6020B	Total Recoverable
Iron	430		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	2900		40		mg/L	1		2540 C-2020	Total/NA
Chloride	110		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	1800		20		mg/L	20		9056A	Total/NA

Client Sample ID: MW-107 — Lab Sample ID: 240-222507-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1500		100		ug/L	1		6010D	Total Recoverable
Calcium	100000		5000		ug/L	5		6020B	Total Recoverable
Iron	940		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	34000		1000		mg/L	1		2540 C-2020	Total/NA
Chloride	23000		1000		mg/L	1000		9056A	Total/NA
Sulfate	3500		100		mg/L	100		9056A	Total/NA

Client Sample ID: MW-108A — Lab Sample ID: 240-222507-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	340000		1000		ug/L	1		6020B	Total Recoverable
Iron	540		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	3800		50		mg/L	1		2540 C-2020	Total/NA
Chloride	1400		20		mg/L	20		9056A	Total/NA
Fluoride	0.87		0.25		mg/L	5		9056A	Total/NA
Sulfate	930		5.0		mg/L	5		9056A	Total/NA

Client Sample ID: QUARRY SUMP — Lab Sample ID: 240-222507-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	2300		100		ug/L	1		6010D	Total Recoverable
Calcium	630000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	8100		100		mg/L	1		2540 C-2020	Total/NA
Chloride	3400		50		mg/L	50		9056A	Total/NA
Fluoride	1.3		0.25		mg/L	5		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: QUARRY SUMP (Continued)

Lab Sample ID: 240-222507-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	2100		50		mg/L	50		9056A	Total/NA

Client Sample ID: QUARRY DISCHARGE

Lab Sample ID: 240-222507-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	2600		100		ug/L	1		6010D	Total Recoverable
Calcium	670000		1000		ug/L	1		6020B	Total Recoverable
Iron	130		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	7700		100		mg/L	1		2540 C-2020	Total/NA
Chloride	3200		50		mg/L	50		9056A	Total/NA
Fluoride	1.4		0.25		mg/L	5		9056A	Total/NA
Sulfate	2200		50		mg/L	50		9056A	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 240-222507-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	390		100		ug/L	1		6010D	Total Recoverable
Calcium	240000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1500		20		mg/L	1		2540 C-2020	Total/NA
Chloride	340		10		mg/L	10		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	530		10		mg/L	10		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: MW-101
Date Collected: 04/14/25 10:38
Date Received: 04/17/25 08:00

Lab Sample ID: 240-222507-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	390		100		ug/L		04/17/25 14:00	04/19/25 03:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190000		1000		ug/L		04/17/25 14:00	04/18/25 18:31	1
Iron	100	U	100		ug/L		04/17/25 14:00	04/18/25 18:31	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1600		20		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	330		10		mg/L			04/22/25 20:17	10
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/22/25 20:08	1
Sulfate (SW846 9056A)	510		10		mg/L			04/22/25 20:17	10

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: MW-102
Date Collected: 04/14/25 09:51
Date Received: 04/17/25 08:00

Lab Sample ID: 240-222507-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	160		100		ug/L		04/17/25 14:00	04/19/25 03:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	250000		1000		ug/L		04/17/25 14:00	04/18/25 19:16	1
Iron	1300		100		ug/L		04/17/25 14:00	04/18/25 19:16	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1400		20		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	190		1.0		mg/L			04/22/25 20:26	1
Fluoride (SW846 9056A)	1.4		0.050		mg/L			04/22/25 20:26	1
Sulfate (SW846 9056A)	450		10		mg/L			04/22/25 20:35	10

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-103
Lab Sample ID: 240-222507-3

Date Collected: 04/14/25 08:15
Matrix: Water
Date Received: 04/17/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	780		100		ug/L		04/17/25 14:00	04/19/25 03:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	590000		1000		ug/L		04/17/25 14:00	04/18/25 19:19	1
Iron	100	U	100		ug/L		04/17/25 14:00	04/18/25 19:19	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	3100		40		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	140		1.0		mg/L			04/22/25 21:03	1
Fluoride (SW846 9056A)	1.3		0.050		mg/L			04/22/25 21:03	1
Sulfate (SW846 9056A)	1900		20		mg/L			04/24/25 18:28	20

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: MW-104

Date Collected: 04/14/25 12:00
Date Received: 04/17/25 08:00

Lab Sample ID: 240-222507-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	750		100		ug/L		04/17/25 14:00	04/19/25 03:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	430000		1000		ug/L		04/17/25 14:00	04/18/25 19:21	1
Iron	100	U	100		ug/L		04/17/25 14:00	04/18/25 19:21	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	2800		40		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	230		10		mg/L			04/22/25 21:30	10
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/22/25 21:21	1
Sulfate (SW846 9056A)	1800		10		mg/L			04/22/25 21:30	10

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-105
Lab Sample ID: 240-222507-5
Date Collected: 04/14/25 11:15
Matrix: Water
Date Received: 04/17/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	2100		100		ug/L		04/17/25 14:00	04/19/25 03:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	590000		1000		ug/L		04/17/25 14:00	04/18/25 19:24	1
Iron	1700		100		ug/L		04/17/25 14:00	04/18/25 19:24	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	7000		100		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	3200		50		mg/L			04/22/25 21:49	50
Fluoride (SW846 9056A)	1.0		0.25		mg/L			04/22/25 21:39	5
Sulfate (SW846 9056A)	1900		50		mg/L			04/22/25 21:49	50

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-106
Lab Sample ID: 240-222507-6

Date Collected: 04/14/25 07:31
Matrix: Water
Date Received: 04/17/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	690		100		ug/L		04/17/25 14:00	04/19/25 04:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540000		1000		ug/L		04/17/25 14:00	04/18/25 19:27	1
Iron	430		100		ug/L		04/17/25 14:00	04/18/25 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	2900		40		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	110		1.0		mg/L			04/22/25 21:58	1
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/22/25 21:58	1
Sulfate (SW846 9056A)	1800		20		mg/L			04/24/25 18:38	20

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: MW-107
Date Collected: 04/14/25 09:03
Date Received: 04/17/25 08:00

Lab Sample ID: 240-222507-7
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1500		100		ug/L		04/17/25 14:00	04/19/25 04:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100000		5000		ug/L		04/17/25 14:00	04/21/25 12:10	5
Iron	940		100		ug/L		04/17/25 14:00	04/18/25 19:30	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	34000		1000		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	23000		1000		mg/L			04/22/25 22:25	1000
Fluoride (SW846 9056A)	5.0	U	5.0		mg/L			04/22/25 22:16	100
Sulfate (SW846 9056A)	3500		100		mg/L			04/22/25 22:16	100

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: MW-108A

Date Collected: 04/14/25 12:55
Date Received: 04/17/25 08:00

Lab Sample ID: 240-222507-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		04/17/25 14:00	04/19/25 04:10	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	340000		1000		ug/L		04/17/25 14:00	04/18/25 19:32	1
Iron	540		100		ug/L		04/17/25 14:00	04/18/25 19:32	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	3800		50		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	1400		20		mg/L			04/22/25 23:02	20
Fluoride (SW846 9056A)	0.87		0.25		mg/L			04/22/25 22:53	5
Sulfate (SW846 9056A)	930		5.0		mg/L			04/22/25 22:53	5

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: QUARRY SUMP

Lab Sample ID: 240-222507-9

Date Collected: 04/15/25 06:35

Matrix: Water

Date Received: 04/17/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	2300		100		ug/L		04/17/25 14:00	04/19/25 04:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	630000		1000		ug/L		04/17/25 14:00	04/18/25 19:35	1
Iron	100	U	100		ug/L		04/17/25 14:00	04/18/25 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	8100		100		mg/L			04/21/25 14:42	1
Chloride (SW846 9056A)	3400		50		mg/L			04/22/25 23:20	50
Fluoride (SW846 9056A)	1.3		0.25		mg/L			04/22/25 23:11	5
Sulfate (SW846 9056A)	2100		50		mg/L			04/22/25 23:20	50

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: QUARRY DISCHARGE

Lab Sample ID: 240-222507-10

Date Collected: 04/15/25 07:08

Matrix: Water

Date Received: 04/17/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	2600		100		ug/L		04/17/25 14:00	04/19/25 04:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	670000		1000		ug/L		04/17/25 14:00	04/18/25 19:43	1
Iron	130		100		ug/L		04/17/25 14:00	04/18/25 19:43	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	7700		100		mg/L			04/21/25 14:42	1
Chloride (SW846 9056A)	3200		50		mg/L			04/23/25 01:38	50
Fluoride (SW846 9056A)	1.4		0.25		mg/L			04/23/25 01:29	5
Sulfate (SW846 9056A)	2200		50		mg/L			04/23/25 01:38	50

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: DUP-01

Date Collected: 04/14/25 00:00
Date Received: 04/17/25 08:00

Lab Sample ID: 240-222507-11

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	390		100		ug/L		04/17/25 14:00	04/19/25 04:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	240000		1000		ug/L		04/17/25 14:00	04/18/25 19:46	1
Iron	100	U	100		ug/L		04/17/25 14:00	04/18/25 19:46	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1500		20		mg/L			04/18/25 09:44	1
Chloride (SW846 9056A)	340		10		mg/L			04/23/25 02:15	10
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/23/25 02:05	1
Sulfate (SW846 9056A)	530		10		mg/L			04/23/25 02:15	10

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-652546/1-A
Matrix: Water
Analysis Batch: 652748

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 652546

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		04/17/25 14:00	04/19/25 03:06	1

Lab Sample ID: LCS 240-652546/2-A
Matrix: Water
Analysis Batch: 652748

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 652546

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1100		ug/L		110	80 - 120		

Lab Sample ID: 240-222507-1 MS
Matrix: Water
Analysis Batch: 652748

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 652546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	390		1000	1530		ug/L		114	75 - 125		

Lab Sample ID: 240-222507-1 MSD
Matrix: Water
Analysis Batch: 652748

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 652546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	390		1000	1400		ug/L		102	75 - 125	9	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-652546/1-A
Matrix: Water
Analysis Batch: 652752

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 652546

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		04/17/25 14:00	04/18/25 18:25	1
Iron	100	U	100		ug/L		04/17/25 14:00	04/18/25 18:25	1

Lab Sample ID: LCS 240-652546/3-A
Matrix: Water
Analysis Batch: 652752

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 652546

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25000	24900		ug/L		100	80 - 120		
Iron			5000	4960		ug/L		99	80 - 120		

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-652710/1
Matrix: Water
Analysis Batch: 652710

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			04/18/25 09:44	1

Method: 2540 C-2020 - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 240-652710/2
Matrix: Water
Analysis Batch: 652710

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	176	149		mg/L		85	80 - 120

Lab Sample ID: MB 240-652993/1
Matrix: Water
Analysis Batch: 652993

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10	mg/L			04/21/25 14:42	1

Lab Sample ID: LCS 240-652993/2
Matrix: Water
Analysis Batch: 652993

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	176	165		mg/L		94	80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-653129/3
Matrix: Water
Analysis Batch: 653129

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	mg/L			04/22/25 15:33	1
Fluoride	0.050	U	0.050	mg/L			04/22/25 15:33	1
Sulfate	1.0	U	1.0	mg/L			04/22/25 15:33	1

Lab Sample ID: LCS 240-653129/4
Matrix: Water
Analysis Batch: 653129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.41		mg/L		96	90 - 110
Sulfate	50.0	46.9		mg/L		94	90 - 110

Lab Sample ID: MB 240-653135/3
Matrix: Water
Analysis Batch: 653135

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	mg/L			04/23/25 00:15	1
Fluoride	0.050	U	0.050	mg/L			04/23/25 00:15	1
Sulfate	1.0	U	1.0	mg/L			04/23/25 00:15	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-653135/4
Matrix: Water
Analysis Batch: 653135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.37		mg/L		95	90 - 110
Sulfate	50.0	46.9		mg/L		94	90 - 110

Lab Sample ID: MB 240-653538/3
Matrix: Water
Analysis Batch: 653538

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0	mg/L			04/24/25 17:15	1
Fluoride	0.050	U	0.050	mg/L			04/24/25 17:15	1
Sulfate	1.0	U	1.0	mg/L			04/24/25 17:15	1

Lab Sample ID: LCS 240-653538/4
Matrix: Water
Analysis Batch: 653538

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.7		mg/L		97	90 - 110
Fluoride	2.50	2.43		mg/L		97	90 - 110
Sulfate	50.0	47.7		mg/L		95	90 - 110

Metals

Prep Batch: 652546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-1	MW-101	Total Recoverable	Water	3005A	
240-222507-2	MW-102	Total Recoverable	Water	3005A	
240-222507-3	MW-103	Total Recoverable	Water	3005A	
240-222507-4	MW-104	Total Recoverable	Water	3005A	
240-222507-5	MW-105	Total Recoverable	Water	3005A	
240-222507-6	MW-106	Total Recoverable	Water	3005A	
240-222507-7	MW-107	Total Recoverable	Water	3005A	
240-222507-8	MW-108A	Total Recoverable	Water	3005A	
240-222507-9	QUARRY SUMP	Total Recoverable	Water	3005A	
240-222507-10	QUARRY DISCHARGE	Total Recoverable	Water	3005A	
240-222507-11	DUP-01	Total Recoverable	Water	3005A	
MB 240-652546/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-652546/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-652546/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-222507-1 MS	MW-101	Total Recoverable	Water	3005A	
240-222507-1 MSD	MW-101	Total Recoverable	Water	3005A	

Analysis Batch: 652748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-1	MW-101	Total Recoverable	Water	6010D	652546
240-222507-2	MW-102	Total Recoverable	Water	6010D	652546
240-222507-3	MW-103	Total Recoverable	Water	6010D	652546
240-222507-4	MW-104	Total Recoverable	Water	6010D	652546
240-222507-5	MW-105	Total Recoverable	Water	6010D	652546
240-222507-6	MW-106	Total Recoverable	Water	6010D	652546
240-222507-7	MW-107	Total Recoverable	Water	6010D	652546
240-222507-8	MW-108A	Total Recoverable	Water	6010D	652546
240-222507-9	QUARRY SUMP	Total Recoverable	Water	6010D	652546
240-222507-10	QUARRY DISCHARGE	Total Recoverable	Water	6010D	652546
240-222507-11	DUP-01	Total Recoverable	Water	6010D	652546
MB 240-652546/1-A	Method Blank	Total Recoverable	Water	6010D	652546
LCS 240-652546/2-A	Lab Control Sample	Total Recoverable	Water	6010D	652546
240-222507-1 MS	MW-101	Total Recoverable	Water	6010D	652546
240-222507-1 MSD	MW-101	Total Recoverable	Water	6010D	652546

Analysis Batch: 652752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-1	MW-101	Total Recoverable	Water	6020B	652546
240-222507-2	MW-102	Total Recoverable	Water	6020B	652546
240-222507-3	MW-103	Total Recoverable	Water	6020B	652546
240-222507-4	MW-104	Total Recoverable	Water	6020B	652546
240-222507-5	MW-105	Total Recoverable	Water	6020B	652546
240-222507-6	MW-106	Total Recoverable	Water	6020B	652546
240-222507-7	MW-107	Total Recoverable	Water	6020B	652546
240-222507-8	MW-108A	Total Recoverable	Water	6020B	652546
240-222507-9	QUARRY SUMP	Total Recoverable	Water	6020B	652546
240-222507-10	QUARRY DISCHARGE	Total Recoverable	Water	6020B	652546
240-222507-11	DUP-01	Total Recoverable	Water	6020B	652546
MB 240-652546/1-A	Method Blank	Total Recoverable	Water	6020B	652546
LCS 240-652546/3-A	Lab Control Sample	Total Recoverable	Water	6020B	652546

Metals

Analysis Batch: 653065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-7	MW-107	Total Recoverable	Water	6020B	652546

General Chemistry

Analysis Batch: 652710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-1	MW-101	Total/NA	Water	2540 C-2020	
240-222507-2	MW-102	Total/NA	Water	2540 C-2020	
240-222507-3	MW-103	Total/NA	Water	2540 C-2020	
240-222507-4	MW-104	Total/NA	Water	2540 C-2020	
240-222507-5	MW-105	Total/NA	Water	2540 C-2020	
240-222507-6	MW-106	Total/NA	Water	2540 C-2020	
240-222507-7	MW-107	Total/NA	Water	2540 C-2020	
240-222507-8	MW-108A	Total/NA	Water	2540 C-2020	
240-222507-11	DUP-01	Total/NA	Water	2540 C-2020	
MB 240-652710/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-652710/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 652993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-9	QUARRY SUMP	Total/NA	Water	2540 C-2020	
240-222507-10	QUARRY DISCHARGE	Total/NA	Water	2540 C-2020	
MB 240-652993/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-652993/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 653129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-1	MW-101	Total/NA	Water	9056A	
240-222507-1	MW-101	Total/NA	Water	9056A	
240-222507-2	MW-102	Total/NA	Water	9056A	
240-222507-2	MW-102	Total/NA	Water	9056A	
240-222507-3	MW-103	Total/NA	Water	9056A	
240-222507-4	MW-104	Total/NA	Water	9056A	
240-222507-4	MW-104	Total/NA	Water	9056A	
240-222507-5	MW-105	Total/NA	Water	9056A	
240-222507-5	MW-105	Total/NA	Water	9056A	
240-222507-6	MW-106	Total/NA	Water	9056A	
240-222507-7	MW-107	Total/NA	Water	9056A	
240-222507-7	MW-107	Total/NA	Water	9056A	
240-222507-8	MW-108A	Total/NA	Water	9056A	
240-222507-8	MW-108A	Total/NA	Water	9056A	
240-222507-9	QUARRY SUMP	Total/NA	Water	9056A	
240-222507-9	QUARRY SUMP	Total/NA	Water	9056A	
MB 240-653129/3	Method Blank	Total/NA	Water	9056A	
LCS 240-653129/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 653135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-10	QUARRY DISCHARGE	Total/NA	Water	9056A	
240-222507-10	QUARRY DISCHARGE	Total/NA	Water	9056A	
240-222507-11	DUP-01	Total/NA	Water	9056A	

General Chemistry (Continued)

Analysis Batch: 653135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-11	DUP-01	Total/NA	Water	9056A	
MB 240-653135/3	Method Blank	Total/NA	Water	9056A	
LCS 240-653135/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 653538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222507-3	MW-103	Total/NA	Water	9056A	
240-222507-6	MW-106	Total/NA	Water	9056A	
MB 240-653538/3	Method Blank	Total/NA	Water	9056A	
LCS 240-653538/4	Lab Control Sample	Total/NA	Water	9056A	

Client Sample ID: MW-101

Lab Sample ID: 240-222507-1

Date Collected: 04/14/25 10:38

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 03:14
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 18:31
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44
Total/NA	Analysis	9056A		1	653129	JMR	EET CLE	04/22/25 20:08
Total/NA	Analysis	9056A		10	653129	JMR	EET CLE	04/22/25 20:17

Client Sample ID: MW-102

Lab Sample ID: 240-222507-2

Date Collected: 04/14/25 09:51

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 03:43
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:16
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44
Total/NA	Analysis	9056A		1	653129	JMR	EET CLE	04/22/25 20:26
Total/NA	Analysis	9056A		10	653129	JMR	EET CLE	04/22/25 20:35

Client Sample ID: MW-103

Lab Sample ID: 240-222507-3

Date Collected: 04/14/25 08:15

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 03:48
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:19
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44
Total/NA	Analysis	9056A		1	653129	JMR	EET CLE	04/22/25 21:03
Total/NA	Analysis	9056A		20	653538	JMR	EET CLE	04/24/25 18:28

Client Sample ID: MW-104

Lab Sample ID: 240-222507-4

Date Collected: 04/14/25 12:00

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 03:52
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:21
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-104
Lab Sample ID: 240-222507-4
Date Collected: 04/14/25 12:00
Matrix: Water
Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	653129	JMR	EET CLE	04/22/25 21:21
Total/NA	Analysis	9056A		10	653129	JMR	EET CLE	04/22/25 21:30

Client Sample ID: MW-105
Lab Sample ID: 240-222507-5
Date Collected: 04/14/25 11:15
Matrix: Water
Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 03:56
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:24
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44
Total/NA	Analysis	9056A		5	653129	JMR	EET CLE	04/22/25 21:39
Total/NA	Analysis	9056A		50	653129	JMR	EET CLE	04/22/25 21:49

Client Sample ID: MW-106
Lab Sample ID: 240-222507-6
Date Collected: 04/14/25 07:31
Matrix: Water
Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 04:01
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:27
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44
Total/NA	Analysis	9056A		1	653129	JMR	EET CLE	04/22/25 21:58
Total/NA	Analysis	9056A		20	653538	JMR	EET CLE	04/24/25 18:38

Client Sample ID: MW-107
Lab Sample ID: 240-222507-7
Date Collected: 04/14/25 09:03
Matrix: Water
Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 04:05
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:30
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		5	653065	S4FJ	EET CLE	04/21/25 12:10
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44
Total/NA	Analysis	9056A		100	653129	JMR	EET CLE	04/22/25 22:16
Total/NA	Analysis	9056A		1000	653129	JMR	EET CLE	04/22/25 22:25

Client Sample ID: MW-108A

Lab Sample ID: 240-222507-8

Date Collected: 04/14/25 12:55

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 04:10
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:32
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44
Total/NA	Analysis	9056A		5	653129	JMR	EET CLE	04/22/25 22:53
Total/NA	Analysis	9056A		20	653129	JMR	EET CLE	04/22/25 23:02

Client Sample ID: QUARRY SUMP

Lab Sample ID: 240-222507-9

Date Collected: 04/15/25 06:35

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 04:14
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:35
Total/NA	Analysis	2540 C-2020		1	652993	TAV2	EET CLE	04/21/25 14:42
Total/NA	Analysis	9056A		5	653129	JMR	EET CLE	04/22/25 23:11
Total/NA	Analysis	9056A		50	653129	JMR	EET CLE	04/22/25 23:20

Client Sample ID: QUARRY DISCHARGE

Lab Sample ID: 240-222507-10

Date Collected: 04/15/25 07:08

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 04:19
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:43
Total/NA	Analysis	2540 C-2020		1	652993	TAV2	EET CLE	04/21/25 14:42
Total/NA	Analysis	9056A		5	653135	JMR	EET CLE	04/23/25 01:29
Total/NA	Analysis	9056A		50	653135	JMR	EET CLE	04/23/25 01:38

Client Sample ID: DUP-01

Lab Sample ID: 240-222507-11

Date Collected: 04/14/25 00:00

Matrix: Water

Date Received: 04/17/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6010D		1	652748	AJC	EET CLE	04/19/25 04:23
Total Recoverable	Prep	3005A			652546	BN	EET CLE	04/17/25 14:00
Total Recoverable	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 19:46
Total/NA	Analysis	2540 C-2020		1	652710	AAP	EET CLE	04/18/25 09:44

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-222507-1

Client Sample ID: DUP-01

Date Collected: 04/14/25 00:00
Date Received: 04/17/25 08:00

Lab Sample ID: 240-222507-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	653135	JMR	EET CLE	04/23/25 02:05
Total/NA	Analysis	9056A		10	653135	JMR	EET CLE	04/23/25 02:15

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Job ID: 240-222507-1
Project/Site: CCR DTE Sibley Quarry

Laboratory: Eurofins Cleveland

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

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

MICHIGAN
190

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Whaley	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131953-43411.1
Client Contact: Jacob Krenz	Phone: 734-210-9239	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested: Standard			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229272			
Email: AWhaley JKrenz@trccompanies.com	WO #: ~~553931.0002~~ 620066.0000			
Project Name: CCR DTE Sibley Quarry App III	Project #: 24016805			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B Bo, 6020 Ca, Fe	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N		
MW-101	4/14/25	10:38	G	Water	N	N	X	X	X	3	
MW-102	4/14/25	09:51	G	Water	N	N	X	X	X	3	
MW-103	4/14/25	08:15	G	Water	N	N	X	X	X	3	
MW-104	4/14/25	12:00	G	Water	N	N	X	X	X	3	
MW-105	4/14/25	11:15	G	Water	N	N	X	X	X	3	
MW-106	4/14/25	07:31	G	Water	N	N	X	X	X	3	
MW-107	4/14/25	09:03	G	Water	N	N	X	X	X	3	
MW-108A	4/14/25	12:55	G	Water	N	N	X	X	X	3	
Quarry Sump	4/15/25	06:35	G	Water	N	N	X	X	X	3	
Quarry Discharge	4/15/25	07:08	G	Water	N	N	X	X	X	3	
Dup-01	4/14/25	—	G	Water	N	N	X	X	X	3	

240-222507 COC

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/15/25 11:30	TRC	TRC Storage	4/15/25 11:30	TRC
2					4/16/25 1200	EEA
3		4/16/25 1200	EEA	David Disney	4-16-25 1200	TRC

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

JMOROSKO 4/17/25 0800

Ver: 05/06/2024

4/27/2025

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

Client TRC Site Name

Cooler unpacked by: JMOROSKO

Cooler Received on 4/17/25 Opened on 4/17/25

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

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

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 13 (CF T0.0 °C) Observed Cooler Temp. °C Corrected Cooler Temp °C

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

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

Contacted PM Date by via Verbal Voice Mail Other

Concerning

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

Samples processed by:

19 SAMPLE CONDITION

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

Sample(s) were received in a broken container

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

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory

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

VOA Sample Preservation - Date/Time VOAs Frozen.

Login # · ____________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

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

☐ See Temperature Excursion Form

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

4/17/2025

Login Container Summary Report

240-222507

4/27/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-101	240-222507-A 1	Plastic 60 mL - unpreserved				
MW 101	240-222507-B-1	Plastic 500ml - unpreserved				
MW-101	240-222507-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-102	240-222507-A-2	Plastic 60 mL - unpreserved				
MW-102	240-222507-B-2	Plastic 500ml - unpreserved				
MW-102	240-222507-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-103	240-222507-A-3	Plastic 60 mL - unpreserved				
MW-103	240-222507-B-3	Plastic 500ml - unpreserved				
MW-103	240-222507-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-104	240-222507-A-4	Plastic 60 mL - unpreserved				
MW-104	240-222507-B-4	Plastic 500ml - unpreserved				
MW-104	240-222507-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-105	240-222507-A-5	Plastic 60 mL - unpreserved				
MW-105	240-222507-B-5	Plastic 500ml - unpreserved				
MW-105	240-222507-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-106	240-222507-A-6	Plastic 60 mL - unpreserved				
MW-106	240-222507-B-6	Plastic 500ml - unpreserved				
MW-106	240-222507-C-6	Plastic 500ml - with Nitric Acid	<2			
MW-107	240-222507-A-7	Plastic 60 mL - unpreserved				
MW 107	240-222507-B-7	Plastic 500ml - unpreserved				
MW-107	240-222507-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-108A	240-222507-A-8	Plastic 60 mL - unpreserved				
MW-108A	240-222507-B-8	Plastic 500ml - unpreserved				
MW-108A	240-222507-C-8	Plastic 500ml - with Nitric Acid	<2			
QUARRY SUMP	240-222507-A-9	Plastic 60 mL - unpreserved				
QUARRY SUMP	240-222507-B-9	Plastic 500ml - unpreserved				
QUARRY SUMP	240-222507-C-9	Plastic 500ml - with Nitric Acid	<2			
QUARRY DISCHARGE	240-222507-A-10	Plastic 60 mL - unpreserved				
QUARRY DISCHARGE	240-222507-B-10	Plastic 500ml - unpreserved				
QUARRY DISCHARGE	240-222507-C-10	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-222507-A-11	Plastic 60 mL - unpreserved				
DUP-01	240-222507-B-11	Plastic 500ml - unpreserved				
DUP-01	240-222507-C-11	Plastic 500ml with Nitric Acid	<2			

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/27/2025 9:48:37 PM

JOB DESCRIPTION

CCR DTE Sibley Quarry

JOB NUMBER

240-224914-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

Job Notes

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

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

Authorization

Generated
5/27/2025 9:48:37 PM

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

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation.
Job ID: 240-224914-1
Project/Site: CCR DTE Sibley Quarry

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Job ID: 240-224914-1 Eurofins Cleveland

Job Narrative
240-224914-1

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

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

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

Receipt
The samples were received on 5/21/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.1°C, 1.3°C and 1.5°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 Sibley Quarry

Job ID: 240-224914-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
6020B	Metals (ICP/MS)	SW846	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

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

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

Laboratory References:

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

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-224914-1
Project/Site: CCR DTE Sibley Quarry

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-224914-1	MW-101	Water	05/16/25 09:15	05/21/25 08:00
240-224914-2	DUP-01	Water	05/16/25 00:00	05/21/25 08:00
240-224914-3	MW-102	Water	05/16/25 10:25	05/21/25 08:00
240-224914-4	DUP-02	Water	05/16/25 00:00	05/21/25 08:00

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-224914-1

Client Sample ID: MW-101 — Lab Sample ID: 240-224914-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	1600		20		mg/L	1		2540 C-2020	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 240-224914-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	1600		10		mg/L	1		2540 C-2020	Total/NA

Client Sample ID: MW-102 — Lab Sample ID: 240-224914-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	230		100		ug/L	1		6010D	Total Recoverable
Iron	3000		100		ug/L	1		6020B	Total Recoverable

Client Sample ID: DUP-02 — Lab Sample ID: 240-224914-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	210		100		ug/L	1		6010D	Total Recoverable
Iron	3000		100		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-224914-1

Client Sample ID: MW-101
Date Collected: 05/16/25 09:15
Date Received: 05/21/25 08:00

Lab Sample ID: 240-224914-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1600		20		mg/L			05/22/25 10:34	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-224914-1

Client Sample ID: DUP-01
Date Collected: 05/16/25 00:00
Date Received: 05/21/25 08:00

Lab Sample ID: 240-224914-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1600		10		mg/L			05/22/25 10:34	1

Client: TRC Environmental Corporation.
Job ID: 240-224914-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-102
Lab Sample ID: 240-224914-3
Date Collected: 05/16/25 10:25
Matrix: Water
Date Received: 05/21/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	230		100		ug/L		05/21/25 14:00	05/22/25 18:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Iron	3000		100		ug/L		05/21/25 14:00	05/23/25 16:48	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-224914-1

Client Sample ID: DUP-02
Date Collected: 05/16/25 00:00
Date Received: 05/21/25 08:00

Lab Sample ID: 240-224914-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	210		100		ug/L		05/21/25 14:00	05/22/25 18:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Iron	3000		100		ug/L		05/21/25 14:00	05/23/25 16:50	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-656961/1-A
Matrix: Water
Analysis Batch: 657174

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 656961

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		05/21/25 14:00	05/22/25 16:57	1

Lab Sample ID: LCS 240-656961/2-A
Matrix: Water
Analysis Batch: 657174

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 656961

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	998		ug/L		100	80 - 120		

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-656961/1-A
Matrix: Water
Analysis Batch: 657404

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 656961

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Iron	100	U	100		ug/L		05/21/25 14:00	05/23/25 16:01	1

Lab Sample ID: LCS 240-656961/3-A
Matrix: Water
Analysis Batch: 657404

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 656961

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			5000	5020		ug/L		100	80 - 120		

Lab Sample ID: 240-224914-4 MS
Matrix: Water
Analysis Batch: 657404

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 656961

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	3000		5000	7770		ug/L		96	80 - 120		

Lab Sample ID: 240-224914-4 MSD
Matrix: Water
Analysis Batch: 657404

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 656961

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	3000		5000	8210		ug/L		105	80 - 120	6	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-657095/1
Matrix: Water
Analysis Batch: 657095

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			05/22/25 10:34	1

Method: 2540 C-2020 - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 240-657095/2
Matrix: Water
Analysis Batch: 657095

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			240	229		mg/L		95	80 - 120		

Lab Sample ID: 240-224914-2 DU
Matrix: Water
Analysis Batch: 657095

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1600			1590		mg/L				0.8	20

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-224914-1

Metals

Prep Batch: 656961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-224914-3	MW-102	Total Recoverable	Water	3005A	
240-224914-4	DUP-02	Total Recoverable	Water	3005A	
MB 240-656961/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-656961/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-656961/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-224914-4 MS	DUP-02	Total Recoverable	Water	3005A	
240-224914-4 MSD	DUP-02	Total Recoverable	Water	3005A	

Analysis Batch: 657174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-224914-3	MW-102	Total Recoverable	Water	6010D	656961
240-224914-4	DUP-02	Total Recoverable	Water	6010D	656961
MB 240-656961/1-A	Method Blank	Total Recoverable	Water	6010D	656961
LCS 240-656961/2-A	Lab Control Sample	Total Recoverable	Water	6010D	656961

Analysis Batch: 657404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-224914-3	MW-102	Total Recoverable	Water	6020B	656961
240-224914-4	DUP-02	Total Recoverable	Water	6020B	656961
MB 240-656961/1-A	Method Blank	Total Recoverable	Water	6020B	656961
LCS 240-656961/3-A	Lab Control Sample	Total Recoverable	Water	6020B	656961
240-224914-4 MS	DUP-02	Total Recoverable	Water	6020B	656961
240-224914-4 MSD	DUP-02	Total Recoverable	Water	6020B	656961

General Chemistry

Analysis Batch: 657095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-224914-1	MW-101	Total/NA	Water	2540 C-2020	
240-224914-2	DUP-01	Total/NA	Water	2540 C-2020	
MB 240-657095/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-657095/2	Lab Control Sample	Total/NA	Water	2540 C-2020	
240-224914-2 DU	DUP-01	Total/NA	Water	2540 C-2020	

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-224914-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-101
Lab Sample ID: 240-224914-1
Date Collected: 05/16/25 09:15
Matrix: Water
Date Received: 05/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540 C-2020		1	657095	TAV2	EET CLE	05/22/25 10:34

Client Sample ID: DUP-01
Lab Sample ID: 240-224914-2
Date Collected: 05/16/25 00:00
Matrix: Water
Date Received: 05/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540 C-2020		1	657095	TAV2	EET CLE	05/22/25 10:34

Client Sample ID: MW-102
Lab Sample ID: 240-224914-3
Date Collected: 05/16/25 10:25
Matrix: Water
Date Received: 05/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			656961	MN7X	EET CLE	05/21/25 14:00
Total Recoverable	Analysis	6010D		1	657174	RKT	EET CLE	05/22/25 18:02
Total Recoverable	Prep	3005A			656961	MN7X	EET CLE	05/21/25 14:00
Total Recoverable	Analysis	6020B		1	657404	S4FJ	EET CLE	05/23/25 16:48

Client Sample ID: DUP-02
Lab Sample ID: 240-224914-4
Date Collected: 05/16/25 00:00
Matrix: Water
Date Received: 05/21/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			656961	MN7X	EET CLE	05/21/25 14:00
Total Recoverable	Analysis	6010D		1	657174	RKT	EET CLE	05/22/25 18:07
Total Recoverable	Prep	3005A			656961	MN7X	EET CLE	05/21/25 14:00
Total Recoverable	Analysis	6020B		1	657404	S4FJ	EET CLE	05/23/25 16:50

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Job ID: 240-224914-1
Project/Site: CCR DTE Sibley Quarry

Laboratory: Eurofins Cleveland

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

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

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

MICHIGAN

Chain of Custody Record

MICHIGAN 190

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Client Information	Sampler:	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-132725-45615.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Ann Arbor	TAT Requested (days):			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229272			
Email: vbuening@trccompanies.com	WO #: 620066.0000.0000			Other:
Project Name: CCR DTE Sibley Quarry	Project #: 24016805			
Site: Michigan	SSOW#:			

240-224914 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	6010B Bo, 6020B Fe	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
MW-101	5-16-25	0915	G	Water	N	N	X			
DUP-01	↓	—	↓	Water	N	N	X			
MW-102		1025		Water	N	N		X		
DUP-2	↓	—	↓	Water	N	N		X		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 5-16-25 1700	Company TRC	Received by:		Date/Time: 5-16-25 1700	Company TRC
Relinquished by: TRC	Date/Time: 5/20/25 9:13	Company	Received by:		Date/Time: 5/20/25 1015	Company FEXA
Relinquished by:	Date/Time: 5/20/25 1015	Company FEXA	Received by:		Date/Time: 5/21/25 0800	Company EC

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

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

Client TRC Environmental Site Name _____ Cooler unpacked by NS

Cooler Received on 5/24/25 Opened on 5/26/25

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

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

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

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

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # _____ (CF _____ °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y) (Y) (Y)
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12.	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# ~~HC457151~~ HC46122
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes (No) NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

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

Concerning _____

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

Labeled by:

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

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

Sample(s) _____ were received in a broken container

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

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

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

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Login # ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: ________	0.6	1.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________	1.0	1.5	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________	0.8	1.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/29/2025 12:48:06 AM

JOB DESCRIPTION

CCR DTE Sibley Quarry

JOB NUMBER

240-235823-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

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

Authorization

Generated
10/29/2025 12:48:06 AM

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

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation.
Job ID: 240-235823-1
Project/Site: CCR DTE Sibley Quarry

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job ID: 240-235823-1 Eurofins Cleveland

Job Narrative
240-235823-1

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

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

Receipt
The samples were received on 10/22/2025 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 0.9°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 Sibley Quarry

Job ID: 240-235823-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
6020B	Metals (ICP/MS)	SW846	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
9056A	Anions, Ion Chromatography	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

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

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

Laboratory References:

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

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-235823-1
Project/Site: CCR DTE Sibley Quarry

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-235823-1	MW-101	Water	10/20/25 10:55	10/22/25 08:00	Michigan
240-235823-2	MW-102	Water	10/20/25 11:32	10/22/25 08:00	Michigan
240-235823-3	MW-103	Water	10/20/25 13:23	10/22/25 08:00	Michigan
240-235823-4	MW-104	Water	10/20/25 13:03	10/22/25 08:00	Michigan
240-235823-5	MW-105	Water	10/20/25 10:12	10/22/25 08:00	Michigan
240-235823-6	MW-106	Water	10/20/25 14:11	10/22/25 08:00	Michigan
240-235823-7	MW-107	Water	10/20/25 12:28	10/22/25 08:00	Michigan
240-235823-8	MW-1018A	Water	10/20/25 12:25	10/22/25 08:00	Michigan
240-235823-9	QARRY SUMP	Water	10/20/25 09:05	10/22/25 08:00	Michigan
240-235823-10	QUARRY DISCHARGE	Water	10/20/25 09:22	10/22/25 08:00	Michigan
240-235823-11	DUP-01	Water	10/20/25 00:00	10/22/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: MW-101 — Lab Sample ID: 240-235823-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	350		100		ug/L	1		6010D	Total Recoverable
Calcium	240000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1400		20		mg/L	1		2540 C-2020	Total/NA
Chloride	240		10		mg/L	10		9056A	Total/NA
Fluoride	1.8		0.050		mg/L	1		9056A	Total/NA
Sulfate	520		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-102 — Lab Sample ID: 240-235823-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	150		100		ug/L	1		6010D	Total Recoverable
Calcium	290000		1000		ug/L	1		6020B	Total Recoverable
Iron	260		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1400		20		mg/L	1		2540 C-2020	Total/NA
Chloride	180		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA
Sulfate	590		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-103 — Lab Sample ID: 240-235823-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	740		100		ug/L	1		6010D	Total Recoverable
Calcium	590000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	3200		40		mg/L	1		2540 C-2020	Total/NA
Chloride	140		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.8		0.050		mg/L	1		9056A	Total/NA
Sulfate	1800		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-104 — Lab Sample ID: 240-235823-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	740		100		ug/L	1		6010D	Total Recoverable
Calcium	510000		1000		ug/L	1		6020B	Total Recoverable
Iron	220		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	2900		40		mg/L	1		2540 C-2020	Total/NA
Chloride	210		10		mg/L	10		9056A	Total/NA
Fluoride	1.6		0.050		mg/L	1		9056A	Total/NA
Sulfate	1600		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-105 — Lab Sample ID: 240-235823-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	2400		100		ug/L	1		6010D	Total Recoverable
Calcium	730000		1000		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-105 (Continued) — Lab Sample ID: 240-235823-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Iron	2400		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	7800		100		mg/L	1		2540 C-2020	Total/NA
Chloride	3300		50		mg/L	50		9056A	Total/NA
Fluoride	1.3		0.25		mg/L	5		9056A	Total/NA
Sulfate	2000		50		mg/L	50		9056A	Total/NA

Client Sample ID: MW-106 — Lab Sample ID: 240-235823-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	680		100		ug/L	1		6010D	Total Recoverable
Calcium	590000		1000		ug/L	1		6020B	Total Recoverable
Iron	1300		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	3000		40		mg/L	1		2540 C-2020	Total/NA
Chloride	110		1.0		mg/L	1		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA
Sulfate	1700		10		mg/L	10		9056A	Total/NA

Client Sample ID: MW-107 — Lab Sample ID: 240-235823-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1300		100		ug/L	1		6010D	Total Recoverable
Calcium	1400000		5000		ug/L	5		6020B	Total Recoverable
Iron	860		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	33000		1000		mg/L	1		2540 C-2020	Total/NA
Chloride	19000		100		mg/L	100		9056A	Total/NA
Sulfate	3200		100		mg/L	100		9056A	Total/NA

Client Sample ID: MW-1018A — Lab Sample ID: 240-235823-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1200		100		ug/L	1		6010D	Total Recoverable
Calcium	430000		1000		ug/L	1		6020B	Total Recoverable
Iron	1000		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	4000		50		mg/L	1		2540 C-2020	Total/NA
Chloride	1600		20		mg/L	20		9056A	Total/NA
Fluoride	1.2		0.25		mg/L	5		9056A	Total/NA
Sulfate	990		5.0		mg/L	5		9056A	Total/NA

Client Sample ID: QARRY SUMP — Lab Sample ID: 240-235823-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	2100		100		ug/L	1		6010D	Total Recoverable
Calcium	750000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	8900		100		mg/L	1		2540 C-2020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: QARRY SUMP (Continued) — Lab Sample ID: 240-235823-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	4000		50		mg/L	50		9056A	Total/NA
Fluoride	1.6		0.25		mg/L	5		9056A	Total/NA
Sulfate	2000		50		mg/L	50		9056A	Total/NA

Client Sample ID: QUARRY DISCHARGE — Lab Sample ID: 240-235823-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	2100		100		ug/L	1		6010D	Total Recoverable
Calcium	740000		1000		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	8200		100		mg/L	1		2540 C-2020	Total/NA
Chloride	3400		50		mg/L	50		9056A	Total/NA
Fluoride	1.6		0.25		mg/L	5		9056A	Total/NA
Sulfate	2000		50		mg/L	50		9056A	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 240-235823-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	420000		1000		ug/L	1		6020B	Total Recoverable
Iron	1100		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	4000		50		mg/L	1		2540 C-2020	Total/NA
Chloride	1600		50		mg/L	50		9056A	Total/NA
Fluoride	1.2		0.25		mg/L	5		9056A	Total/NA
Sulfate	990		5.0		mg/L	5		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: MW-101

Date Collected: 10/20/25 10:55
Date Received: 10/22/25 08:00

Lab Sample ID: 240-235823-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	**350**		100		ug/L		10/23/25 14:00	10/24/25 10:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**240000**		1000		ug/L		10/23/25 14:00	10/24/25 14:46	1
Iron	100	U	100		ug/L		10/23/25 14:00	10/24/25 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	**1400**		20		mg/L			10/22/25 15:26	1
Chloride (SW846 9056A)	**240**		10		mg/L			10/23/25 14:56	10
Fluoride (SW846 9056A)	**1.8**		0.050		mg/L			10/23/25 14:47	1
Sulfate (SW846 9056A)	**520**		10		mg/L			10/23/25 14:56	10

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: MW-102

Date Collected: 10/20/25 11:32
Date Received: 10/22/25 08:00

Lab Sample ID: 240-235823-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	150		100		ug/L		10/23/25 14:00	10/24/25 11:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	290000		1000		ug/L		10/23/25 14:00	10/24/25 15:04	1
Iron	260		100		ug/L		10/23/25 14:00	10/24/25 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1400		20		mg/L			10/22/25 15:26	1
Chloride (SW846 9056A)	180		1.0		mg/L			10/23/25 15:23	1
Fluoride (SW846 9056A)	1.7		0.050		mg/L			10/23/25 15:23	1
Sulfate (SW846 9056A)	590		10		mg/L			10/23/25 15:32	10

Client: TRC Environmental Corporation.
Job ID: 240-235823-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-103
Lab Sample ID: 240-235823-3

Date Collected: 10/20/25 13:23
Matrix: Water

Date Received: 10/22/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	740		100		ug/L		10/23/25 14:00	10/24/25 11:22	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	590000		1000		ug/L		10/23/25 14:00	10/24/25 15:07	1
Iron	100	U	100		ug/L		10/23/25 14:00	10/24/25 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	3200		40		mg/L			10/22/25 15:26	1
Chloride (SW846 9056A)	140		1.0		mg/L			10/22/25 18:38	1
Fluoride (SW846 9056A)	1.8		0.050		mg/L			10/22/25 18:38	1
Sulfate (SW846 9056A)	1800		10		mg/L			10/22/25 19:06	10

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: MW-104

Date Collected: 10/20/25 13:03
Date Received: 10/22/25 08:00

Lab Sample ID: 240-235823-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	740		100		ug/L		10/23/25 14:00	10/24/25 11:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	510000		1000		ug/L		10/23/25 14:00	10/24/25 15:10	1
Iron	220		100		ug/L		10/23/25 14:00	10/24/25 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	2900		40		mg/L			10/22/25 15:26	1
Chloride (SW846 9056A)	210		10		mg/L			10/22/25 19:42	10
Fluoride (SW846 9056A)	1.6		0.050		mg/L			10/22/25 19:33	1
Sulfate (SW846 9056A)	1600		10		mg/L			10/22/25 19:42	10

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: MW-105

Date Collected: 10/20/25 10:12
Date Received: 10/22/25 08:00

Lab Sample ID: 240-235823-5

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	2400		100		ug/L		10/23/25 14:00	10/24/25 11:39	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	730000		1000		ug/L		10/23/25 14:00	10/24/25 15:12	1
Iron	2400		100		ug/L		10/23/25 14:00	10/24/25 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	7800		100		mg/L			10/23/25 09:48	1
Chloride (SW846 9056A)	3300		50		mg/L			10/22/25 20:19	50
Fluoride (SW846 9056A)	1.3		0.25		mg/L			10/22/25 20:10	5
Sulfate (SW846 9056A)	2000		50		mg/L			10/22/25 20:19	50

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: MW-106

Date Collected: 10/20/25 14:11
Date Received: 10/22/25 08:00

Lab Sample ID: 240-235823-6

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	680		100		ug/L		10/23/25 14:00	10/24/25 11:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	590000		1000		ug/L		10/23/25 14:00	10/24/25 15:15	1
Iron	1300		100		ug/L		10/23/25 14:00	10/24/25 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	3000		40		mg/L			10/23/25 09:48	1
Chloride (SW846 9056A)	110		1.0		mg/L			10/22/25 20:28	1
Fluoride (SW846 9056A)	1.7		0.050		mg/L			10/22/25 20:28	1
Sulfate (SW846 9056A)	1700		10		mg/L			10/22/25 20:37	10

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: MW-107

Date Collected: 10/20/25 12:28
Date Received: 10/22/25 08:00

Lab Sample ID: 240-235823-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1300		100		ug/L		10/23/25 14:00	10/24/25 11:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1400000		5000		ug/L		10/23/25 14:00	10/27/25 10:40	5
Iron	860		100		ug/L		10/23/25 14:00	10/24/25 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	33000		1000		mg/L			10/23/25 09:48	1
Chloride (SW846 9056A)	19000		100		mg/L			10/22/25 20:47	100
Fluoride (SW846 9056A)	5.0	U	5.0		mg/L			10/22/25 20:47	100
Sulfate (SW846 9056A)	3200		100		mg/L			10/22/25 20:47	100

Client: TRC Environmental Corporation.
Job ID: 240-235823-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: MW-1018A
Lab Sample ID: 240-235823-8

Date Collected: 10/20/25 12:25
Matrix: Water
Date Received: 10/22/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1200		100		ug/L		10/23/25 14:00	10/24/25 11:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	430000		1000		ug/L		10/23/25 14:00	10/24/25 15:21	1
Iron	1000		100		ug/L		10/23/25 14:00	10/24/25 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	4000		50		mg/L			10/23/25 09:48	1
Chloride (SW846 9056A)	1600		20		mg/L			10/22/25 21:14	20
Fluoride (SW846 9056A)	1.2		0.25		mg/L			10/22/25 21:05	5
Sulfate (SW846 9056A)	990		5.0		mg/L			10/22/25 21:05	5

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: QARRY SUMP

Lab Sample ID: 240-235823-9

Date Collected: 10/20/25 09:05

Matrix: Water

Date Received: 10/22/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	2100		100		ug/L		10/23/25 14:00	10/24/25 11:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	750000		1000		ug/L		10/23/25 14:00	10/24/25 15:29	1
Iron	100	U	100		ug/L		10/23/25 14:00	10/24/25 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	8900		100		mg/L			10/24/25 08:38	1
Chloride (SW846 9056A)	4000		50		mg/L			10/22/25 21:32	50
Fluoride (SW846 9056A)	1.6		0.25		mg/L			10/22/25 21:23	5
Sulfate (SW846 9056A)	2000		50		mg/L			10/22/25 21:32	50

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: QUARRY DISCHARGE

Lab Sample ID: 240-235823-10

Date Collected: 10/20/25 09:22

Matrix: Water

Date Received: 10/22/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	2100		100		ug/L		10/23/25 14:00	10/24/25 12:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	740000		1000		ug/L		10/23/25 14:00	10/24/25 15:31	1
Iron	100	U	100		ug/L		10/23/25 14:00	10/24/25 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	8200		100		mg/L			10/24/25 08:38	1
Chloride (SW846 9056A)	3400		50		mg/L			10/22/25 22:09	50
Fluoride (SW846 9056A)	1.6		0.25		mg/L			10/22/25 22:00	5
Sulfate (SW846 9056A)	2000		50		mg/L			10/22/25 22:09	50

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Client Sample ID: DUP-01
Date Collected: 10/20/25 00:00
Date Received: 10/22/25 08:00

Lab Sample ID: 240-235823-11
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		10/23/25 14:00	10/24/25 12:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420000		1000		ug/L		10/23/25 14:00	10/24/25 15:34	1
Iron	1100		100		ug/L		10/23/25 14:00	10/24/25 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	4000		50		mg/L			10/24/25 08:38	1
Chloride (SW846 9056A)	1600		50		mg/L			10/22/25 22:27	50
Fluoride (SW846 9056A)	1.2		0.25		mg/L			10/22/25 22:18	5
Sulfate (SW846 9056A)	990		5.0		mg/L			10/22/25 22:18	5

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-677374/1-A
Matrix: Water
Analysis Batch: 677652

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		10/23/25 14:00	10/24/25 10:49	1

Lab Sample ID: LCS 240-677374/2-A
Matrix: Water
Analysis Batch: 677652

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1130		ug/L		113	80 - 120		

Lab Sample ID: 240-235823-1 MS
Matrix: Water
Analysis Batch: 677652

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	350		1000	1450		ug/L		110	75 - 125		

Lab Sample ID: 240-235823-1 MSD
Matrix: Water
Analysis Batch: 677652

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	350		1000	1460		ug/L		111	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-677374/1-A
Matrix: Water
Analysis Batch: 677774

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		10/23/25 14:00	10/24/25 14:41	1
Iron	100	U	100		ug/L		10/23/25 14:00	10/24/25 14:41	1

Lab Sample ID: LCS 240-677374/3-A
Matrix: Water
Analysis Batch: 677774

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25000	26400		ug/L		106	80 - 120		
Iron			5000	5200		ug/L		104	80 - 120		

Lab Sample ID: 240-235823-1 MS
Matrix: Water
Analysis Batch: 677774

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	240000		25000	264000	4	ug/L		107	80 - 120		
Iron	100	U	5000	5250		ug/L		105	80 - 120		

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

Lab Sample ID: 240-235823-1 MSD
Matrix: Water
Analysis Batch: 677774

Client Sample ID: MW-101
Prep Type: Total Recoverable
Prep Batch: 677374

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	240000		25000	261000	4	ug/L		96	80 - 120	1	20
Iron	100	U	5000	5160		ug/L		103	80 - 120	2	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-677248/1
Matrix: Water
Analysis Batch: 677248

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			10/22/25 15:26	1

Lab Sample ID: LCS 240-677248/2
Matrix: Water
Analysis Batch: 677248

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			285	265		mg/L		93	80 - 120		

Lab Sample ID: MB 240-677352/1
Matrix: Water
Analysis Batch: 677352

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			10/23/25 09:48	1

Lab Sample ID: LCS 240-677352/2
Matrix: Water
Analysis Batch: 677352

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			285	259		mg/L		91	80 - 120		

Lab Sample ID: 240-235823-6 DU
Matrix: Water
Analysis Batch: 677352

Client Sample ID: MW-106
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	3000			3010		mg/L				1	20

Lab Sample ID: MB 240-677543/1
Matrix: Water
Analysis Batch: 677543

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			10/24/25 08:38	1

Method: 2540 C-2020 - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 240-677543/2
Matrix: Water
Analysis Batch: 677543

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	479		mg/L		97	80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-677269/3
Matrix: Water
Analysis Batch: 677269

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			10/23/25 09:53	1
Fluoride	0.050	U	0.050		mg/L			10/23/25 09:53	1
Sulfate	1.0	U	1.0		mg/L			10/23/25 09:53	1

Lab Sample ID: LCS 240-677269/4
Matrix: Water
Analysis Batch: 677269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.1		mg/L		96	90 - 110
Fluoride	2.50	2.43		mg/L		97	90 - 110
Sulfate	50.0	48.6		mg/L		97	90 - 110

Lab Sample ID: MB 240-677270/3
Matrix: Water
Analysis Batch: 677270

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			10/22/25 18:20	1
Fluoride	0.050	U	0.050		mg/L			10/22/25 18:20	1
Sulfate	1.0	U	1.0		mg/L			10/22/25 18:20	1

Lab Sample ID: LCS 240-677270/4
Matrix: Water
Analysis Batch: 677270

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.2		mg/L		96	90 - 110
Fluoride	2.50	2.49		mg/L		100	90 - 110
Sulfate	50.0	48.6		mg/L		97	90 - 110

Lab Sample ID: 240-235823-3 MS
Matrix: Water
Analysis Batch: 677270

Client Sample ID: MW-103
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	140		50.0	184		mg/L		86	80 - 120
Fluoride	1.8		2.50	3.90		mg/L		85	80 - 120

Client: TRC Environmental Corporation.
Project/Site: CCR DTE Sibley Quarry

Job ID: 240-235823-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 240-235823-3 MS
Matrix: Water
Analysis Batch: 677270

Client Sample ID: MW-103
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	150		500	645		mg/L		99	80 - 120
Fluoride	2.0		25.0	27.0		mg/L		100	80 - 120
Sulfate	1800		500	2260	E	mg/L		91	80 - 120

Lab Sample ID: 240-235823-3 MSD
Matrix: Water
Analysis Batch: 677270

Client Sample ID: MW-103
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140		50.0	183		mg/L		85	80 - 120	0	15
Fluoride	1.8		2.50	3.85		mg/L		83	80 - 120	1	15

Lab Sample ID: 240-235823-3 MSD
Matrix: Water
Analysis Batch: 677270

Client Sample ID: MW-103
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	150		500	636		mg/L		98	80 - 120	1	15
Fluoride	2.0		25.0	26.6		mg/L		99	80 - 120	2	15
Sulfate	1800		500	2240	E	mg/L		87	80 - 120	1	15

Metals

Prep Batch: 677374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-1	MW-101	Total Recoverable	Water	3005A	
240-235823-2	MW-102	Total Recoverable	Water	3005A	
240-235823-3	MW-103	Total Recoverable	Water	3005A	
240-235823-4	MW-104	Total Recoverable	Water	3005A	
240-235823-5	MW-105	Total Recoverable	Water	3005A	
240-235823-6	MW-106	Total Recoverable	Water	3005A	
240-235823-7	MW-107	Total Recoverable	Water	3005A	
240-235823-8	MW-1018A	Total Recoverable	Water	3005A	
240-235823-9	QARRY SUMP	Total Recoverable	Water	3005A	
240-235823-10	QUARRY DISCHARGE	Total Recoverable	Water	3005A	
240-235823-11	DUP-01	Total Recoverable	Water	3005A	
MB 240-677374/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-677374/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-677374/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-235823-1 MS	MW-101	Total Recoverable	Water	3005A	
240-235823-1 MS	MW-101	Total Recoverable	Water	3005A	
240-235823-1 MSD	MW-101	Total Recoverable	Water	3005A	
240-235823-1 MSD	MW-101	Total Recoverable	Water	3005A	

Analysis Batch: 677652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-1	MW-101	Total Recoverable	Water	6010D	677374
240-235823-2	MW-102	Total Recoverable	Water	6010D	677374
240-235823-3	MW-103	Total Recoverable	Water	6010D	677374
240-235823-4	MW-104	Total Recoverable	Water	6010D	677374
240-235823-5	MW-105	Total Recoverable	Water	6010D	677374
240-235823-6	MW-106	Total Recoverable	Water	6010D	677374
240-235823-7	MW-107	Total Recoverable	Water	6010D	677374
240-235823-8	MW-1018A	Total Recoverable	Water	6010D	677374
240-235823-9	QARRY SUMP	Total Recoverable	Water	6010D	677374
240-235823-10	QUARRY DISCHARGE	Total Recoverable	Water	6010D	677374
240-235823-11	DUP-01	Total Recoverable	Water	6010D	677374
MB 240-677374/1-A	Method Blank	Total Recoverable	Water	6010D	677374
LCS 240-677374/2-A	Lab Control Sample	Total Recoverable	Water	6010D	677374
240-235823-1 MS	MW-101	Total Recoverable	Water	6010D	677374
240-235823-1 MSD	MW-101	Total Recoverable	Water	6010D	677374

Analysis Batch: 677774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-1	MW-101	Total Recoverable	Water	6020B	677374
240-235823-2	MW-102	Total Recoverable	Water	6020B	677374
240-235823-3	MW-103	Total Recoverable	Water	6020B	677374
240-235823-4	MW-104	Total Recoverable	Water	6020B	677374
240-235823-5	MW-105	Total Recoverable	Water	6020B	677374
240-235823-6	MW-106	Total Recoverable	Water	6020B	677374
240-235823-7	MW-107	Total Recoverable	Water	6020B	677374
240-235823-8	MW-1018A	Total Recoverable	Water	6020B	677374
240-235823-9	QARRY SUMP	Total Recoverable	Water	6020B	677374
240-235823-10	QUARRY DISCHARGE	Total Recoverable	Water	6020B	677374
240-235823-11	DUP-01	Total Recoverable	Water	6020B	677374
MB 240-677374/1-A	Method Blank	Total Recoverable	Water	6020B	677374

Metals (Continued)

Analysis Batch: 677774 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-677374/3-A	Lab Control Sample	Total Recoverable	Water	6020B	677374
240-235823-1 MS	MW-101	Total Recoverable	Water	6020B	677374
240-235823-1 MSD	MW-101	Total Recoverable	Water	6020B	677374

Analysis Batch: 677989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-7	MW-107	Total Recoverable	Water	6020B	677374

General Chemistry

Analysis Batch: 677248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-1	MW-101	Total/NA	Water	2540 C-2020	
240-235823-2	MW-102	Total/NA	Water	2540 C-2020	
240-235823-3	MW-103	Total/NA	Water	2540 C-2020	
240-235823-4	MW-104	Total/NA	Water	2540 C-2020	
MB 240-677248/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-677248/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 677269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-1	MW-101	Total/NA	Water	9056A	
240-235823-1	MW-101	Total/NA	Water	9056A	
240-235823-2	MW-102	Total/NA	Water	9056A	
240-235823-2	MW-102	Total/NA	Water	9056A	
MB 240-677269/3	Method Blank	Total/NA	Water	9056A	
LCS 240-677269/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 677270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-3	MW-103	Total/NA	Water	9056A	
240-235823-3	MW-103	Total/NA	Water	9056A	
240-235823-4	MW-104	Total/NA	Water	9056A	
240-235823-4	MW-104	Total/NA	Water	9056A	
240-235823-5	MW-105	Total/NA	Water	9056A	
240-235823-5	MW-105	Total/NA	Water	9056A	
240-235823-6	MW-106	Total/NA	Water	9056A	
240-235823-6	MW-106	Total/NA	Water	9056A	
240-235823-7	MW-107	Total/NA	Water	9056A	
240-235823-8	MW-1018A	Total/NA	Water	9056A	
240-235823-8	MW-1018A	Total/NA	Water	9056A	
240-235823-9	QARRY SUMP	Total/NA	Water	9056A	
240-235823-9	QARRY SUMP	Total/NA	Water	9056A	
240-235823-10	QUARRY DISCHARGE	Total/NA	Water	9056A	
240-235823-10	QUARRY DISCHARGE	Total/NA	Water	9056A	
240-235823-11	DUP-01	Total/NA	Water	9056A	
240-235823-11	DUP-01	Total/NA	Water	9056A	
MB 240-677270/3	Method Blank	Total/NA	Water	9056A	
LCS 240-677270/4	Lab Control Sample	Total/NA	Water	9056A	
240-235823-3 MS	MW-103	Total/NA	Water	9056A	
240-235823-3 MS	MW-103	Total/NA	Water	9056A	

General Chemistry (Continued)

Analysis Batch: 677270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-3 MSD	MW-103	Total/NA	Water	9056A	
240-235823-3 MSD	MW-103	Total/NA	Water	9056A	

Analysis Batch: 677352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-5	MW-105	Total/NA	Water	2540 C-2020	
240-235823-6	MW-106	Total/NA	Water	2540 C-2020	
240-235823-7	MW-107	Total/NA	Water	2540 C-2020	
240-235823-8	MW-1018A	Total/NA	Water	2540 C-2020	
MB 240-677352/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-677352/2	Lab Control Sample	Total/NA	Water	2540 C-2020	
240-235823-6 DU	MW-106	Total/NA	Water	2540 C-2020	

Analysis Batch: 677543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-235823-9	QARRY SUMP	Total/NA	Water	2540 C-2020	
240-235823-10	QUARRY DISCHARGE	Total/NA	Water	2540 C-2020	
240-235823-11	DUP-01	Total/NA	Water	2540 C-2020	
MB 240-677543/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-677543/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Client Sample ID: MW-101

Lab Sample ID: 240-235823-1

Date Collected: 10/20/25 10:55

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 10:57
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 14:46
Total/NA	Analysis	2540 C-2020		1	677248	TAV2	EET CLE	10/22/25 15:26
Total/NA	Analysis	9056A		1	677269	JMR	EET CLE	10/23/25 14:47
Total/NA	Analysis	9056A		10	677269	JMR	EET CLE	10/23/25 14:56

Client Sample ID: MW-102

Lab Sample ID: 240-235823-2

Date Collected: 10/20/25 11:32

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:18
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:04
Total/NA	Analysis	2540 C-2020		1	677248	TAV2	EET CLE	10/22/25 15:26
Total/NA	Analysis	9056A		1	677269	JMR	EET CLE	10/23/25 15:23
Total/NA	Analysis	9056A		10	677269	JMR	EET CLE	10/23/25 15:32

Client Sample ID: MW-103

Lab Sample ID: 240-235823-3

Date Collected: 10/20/25 13:23

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:22
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:07
Total/NA	Analysis	2540 C-2020		1	677248	TAV2	EET CLE	10/22/25 15:26
Total/NA	Analysis	9056A		1	677270	JMR	EET CLE	10/22/25 18:38
Total/NA	Analysis	9056A		10	677270	JMR	EET CLE	10/22/25 19:06

Client Sample ID: MW-104

Lab Sample ID: 240-235823-4

Date Collected: 10/20/25 13:03

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:26
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:10
Total/NA	Analysis	2540 C-2020		1	677248	TAV2	EET CLE	10/22/25 15:26

Client Sample ID: MW-104

Lab Sample ID: 240-235823-4

Date Collected: 10/20/25 13:03

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	677270	JMR	EET CLE	10/22/25 19:33
Total/NA	Analysis	9056A		10	677270	JMR	EET CLE	10/22/25 19:42

Client Sample ID: MW-105

Lab Sample ID: 240-235823-5

Date Collected: 10/20/25 10:12

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:39
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:12
Total/NA	Analysis	2540 C-2020		1	677352	C5SV	EET CLE	10/23/25 09:48
Total/NA	Analysis	9056A		5	677270	JMR	EET CLE	10/22/25 20:10
Total/NA	Analysis	9056A		50	677270	JMR	EET CLE	10/22/25 20:19

Client Sample ID: MW-106

Lab Sample ID: 240-235823-6

Date Collected: 10/20/25 14:11

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:43
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:15
Total/NA	Analysis	2540 C-2020		1	677352	C5SV	EET CLE	10/23/25 09:48
Total/NA	Analysis	9056A		1	677270	JMR	EET CLE	10/22/25 20:28
Total/NA	Analysis	9056A		10	677270	JMR	EET CLE	10/22/25 20:37

Client Sample ID: MW-107

Lab Sample ID: 240-235823-7

Date Collected: 10/20/25 12:28

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:48
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:18
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		5	677989	S4FJ	EET CLE	10/27/25 10:40
Total/NA	Analysis	2540 C-2020		1	677352	C5SV	EET CLE	10/23/25 09:48
Total/NA	Analysis	9056A		100	677270	JMR	EET CLE	10/22/25 20:47

Client Sample ID: MW-1018A

Lab Sample ID: 240-235823-8

Date Collected: 10/20/25 12:25

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:52
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:21
Total/NA	Analysis	2540 C-2020		1	677352	C5SV	EET CLE	10/23/25 09:48
Total/NA	Analysis	9056A		5	677270	JMR	EET CLE	10/22/25 21:05
Total/NA	Analysis	9056A		20	677270	JMR	EET CLE	10/22/25 21:14

Client Sample ID: QARRY SUMP

Lab Sample ID: 240-235823-9

Date Collected: 10/20/25 09:05

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 11:56
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:29
Total/NA	Analysis	2540 C-2020		1	677543	AAP	EET CLE	10/24/25 08:38
Total/NA	Analysis	9056A		5	677270	JMR	EET CLE	10/22/25 21:23
Total/NA	Analysis	9056A		50	677270	JMR	EET CLE	10/22/25 21:32

Client Sample ID: QUARRY DISCHARGE

Lab Sample ID: 240-235823-10

Date Collected: 10/20/25 09:22

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 12:01
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:31
Total/NA	Analysis	2540 C-2020		1	677543	AAP	EET CLE	10/24/25 08:38
Total/NA	Analysis	9056A		5	677270	JMR	EET CLE	10/22/25 22:00
Total/NA	Analysis	9056A		50	677270	JMR	EET CLE	10/22/25 22:09

Client Sample ID: DUP-01

Lab Sample ID: 240-235823-11

Date Collected: 10/20/25 00:00

Matrix: Water

Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6010D		1	677652	AJC	EET CLE	10/24/25 12:05
Total Recoverable	Prep	3005A			677374	F3PF	EET CLE	10/23/25 14:00
Total Recoverable	Analysis	6020B		1	677774	S4FJ	EET CLE	10/24/25 15:34
Total/NA	Analysis	2540 C-2020		1	677543	AAP	EET CLE	10/24/25 08:38

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-235823-1
Project/Site: CCR DTE Sibley Quarry

Client Sample ID: DUP-01
Lab Sample ID: 240-235823-11
Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/22/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	677270	JMR	EET CLE	10/22/25 22:18
Total/NA	Analysis	9056A		50	677270	JMR	EET CLE	10/22/25 22:27

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 Sibley Quarry

Job ID: 240-235823-1

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	2250	09-30-26
New Jersey	NELAP	OH001	06-30-26
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-26
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-26

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

MICHIGAN 190

Chain of Custody Record

03/09

eurofins | Environment Testing

Client Information	Sampler: Ali Y., Andrew W., Elliot W.	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-138156-43411.1
Client Contact: Jacob Krenz	Phone: 734-273-2725	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days):			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229272			
Email: JKrenz@trccompanies.com	WO #: 553931.0002			
Project Name: CCR DTE Sibley Quarry App III	Project #: 24016805			
Site: Michigan	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewater, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B, 6020	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N		
MW-101	10-20-25	1055	G	Water			X	X	X		
MW-102		1132		Water							
MW-~~102~~ 103		1323		Water							
MW-104		1303		Water							
MW-105		1012		Water							
MW-106		1411		Water							
MW-107		1228		Water							
MW-1018A		1225		Water							
QARRY SUMP		0905		Water							
QUARRY DISCHARGE		0922		Water							
DUP-01				Water							

240-235823 COC

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ali Yassin	10-20-25 1700	TRC		10/20/25 1300	EEXA
2		10/21/25 0800	EEXA	Martin	10/22/25 800	EUR
3		Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Client TRC Site Name _____ Cooler unpacked by 1CMartin

Cooler Received on 10/22/25 Opened on 10/22/25

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

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

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 13 (CF +0.6 °C) Observed Cooler Temp 0.3 °C Corrected Cooler Temp 0.9 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC567196
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

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

Concerning _____

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

Labeled by:

Labels Verified by

_____

_____

_____

_____

19 SAMPLE CONDITION

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

Sample(s) _____ were received in a broken container

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

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

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

VOA Sample Preservation - Date/Time VOAs Frozen _____

10/22/2025

Login Container Summary Report

240-235823

10/29/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW 101	240-235823 A-1	Plastic 60 mL - unpreserved				
MW-101	240-235823-B-1	Plastic 500ml - unpreserved				
MW-101	240 235823-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-102	240-235823-A-2	Plastic 60 mL - unpreserved				
MW-102	240-235823-B-2	Plastic 500ml - unpreserved				
MW-102	240-235823-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-103	240-235823-A-3	Plastic 60 mL - unpreserved				
MW-103	240-235823-B-3	Plastic 500ml - unpreserved				
MW-103	240-235823-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-104	240-235823-A-4	Plastic 60 mL - unpreserved				
MW 104	240-235823 B-4	Plastic 500ml - unpreserved				
MW-104	240-235823-C-4	Plastic 500ml - with Nitric Acid	<2			
MW 105	240 235823 A 5	Plastic 60 mL unpreserved				
MW-105	240-235823-B-5	Plastic 500ml - unpreserved				
MW-105	240-235823-C-5	Plastic 500ml with Nitric Acid	<2			
MW-106	240-235823-A-6	Plastic 60 mL - unpreserved				
MW 106	240-235823-B-6	Plastic 500ml unpreserved				
MW 106	240 235823-C-6	Plastic 500ml - with Nitric Acid	<2			
MW 107	240-235823-A-7	Plastic 60 mL unpreserved				
MW-107	240 235823 B-7	Plastic 500ml - unpreserved				
MW-107	240-235823-C-7	Plastic 500ml - with Nitric Acid	<2			
MW-1018A	240-235823-A-8	Plastic 60 mL - unpreserved				
MW 1018A	240-235823-B-8	Plastic 500ml unpreserved				
MW-1018A	240 235823-C-8	Plastic 500ml - with Nitric Acid	<2			
QARRY SUMP	240-235823-A-9	Plastic 60 mL unpreserved				
QARRY SUMP	240-235823 B-9	Plastic 500ml - unpreserved				
QARRY SUMP	240-235823-C-9	Plastic 500ml with Nitric Acid	<2			
QUARRY DISCHARGE	240-235823-A-10	Plastic 60 mL - unpreserved				
QUARRY DISCHARGE	240-235823-B-10	Plastic 500ml unpreserved				
QUARRY DISCHARGE	240-235823-C-10	Plastic 500ml - with Nitric Acid	<2			
DUP-01	240-235823-A-11	Plastic 60 mL unpreserved				
DUP-01	240-235823-B-11	Plastic 500ml - unpreserved				
DUP-01	240-235823-C-11	Plastic 500ml - with Nitric Acid	<2			

Appendix C
Field Data

TRC

PROJECT NAME:	DTE CCR SQLF 1SA25 GW Monitoring
PROJECT NUMBER:	620066.0000.0000
PROJECT MANAGER:	Vincent Buening
SITE LOCATION:	803 Fort Street Trenton MI, 48183
DATES OF FIELDWORK:	4/14/2025 TO 4/15/2025
PURPOSE OF FIELDWORK:	Semiannual CCR GW Monitoring Event
WORK PERFORMED BY:	Andrew Whaley, Javier Jasso

SIGNED 4/15/25 DATE

CHECKED BY 4-18-25 DATE

REVISED 04/2019

TRC

GENERAL NOTES

PROJECT NAME: DTE CCR SQLF 1SA25 GW M	DATE: 4/14/25	TIME ARRIVED: 06:20
PROJECT NUMBER: 620066.0000.0000	AUTHOR: AW JJ	TIME LEFT: 14:00

WEATHER

TEMPERATURE: 40-62 °F WIND: 5-12 MPH VISIBILITY: Clear

WORK / SAMPLING PERFORMED

Sign in @ job trailer
collects SWL
Calibrate Meter
Collects Samples for MW-101 through MW-103A, including Low Level Mercury Samples for DTE using clean hands, dirty hands Methodology

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
None	

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vincent Buening	TRC	Project Manager / Updates
Bob Haske	DTE	Site Contact: 734-716-3142 (Cell)

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	To Ground

SIGNED 4/15/25 DATE

CHECKED BY 4-18-25 DATE

TRC

GENERAL NOTES

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	DATE: 4/15/25	TIME ARRIVED: 06:00
PROJECT NUMBER:	620066.0000.0000	AUTHOR: AW JJ	TIME LEFT: 11:00

WEATHER

TEMPERATURE: 36-45 °F WIND: 8-20 MPH VISIBILITY: cloudy - drizzle

WORK / SAMPLING PERFORMED

Collect ~~waters~~ samples for Quarry Sump, Quarry Discharge Low Level Hg samples delivered to DeLab

- Mark boring locations for 570561.00 PER Legacy Project

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
None	

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vincent Buening	TRC	Project Manager / Updates
Bob Haske	DTE	Site Contact: 734-716-3142 (Cell)

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	To Ground

SIGNED 4/15/25 DATE CHECKED BY 4-18-25 DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE CCR SQLF 1SA25 GW	SAMPLER NAME:	Andrew Whaley, Javier Jasso
PROJECT NO.:	620066.0000.0000		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

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

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

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

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

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

PURGING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (DEDICATED)	PROJECT DEDICATED 1

SAMPLING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (DEDICATED)	PROJECT DEDICATED
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
NA	NA
TUBING TYPE	
DEDICATED POLY TUBING	☑ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

POTABLE WATER SOURCE	DI WATER SOURCE
STORE BOUGHT	STORE BOUGHT
SIGNED: [signature] DATE: 4/15/25	CHECKED BY: [signature] DATE: 4-18-25

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW Monitoring	MODEL: YSI ProDSS	SAMPLER: AW JJ
PROJECT NO.:	620066.0000.0000	SERIAL #: PROJECT	DATE: 4/14/25

PH CALIBRATION CHECK

pH 7 (LOT #): 4G1405S3 (EXP. DATE): Aug/26 — POST-CAL. READING / STANDARD	pH (4) 10 (LOT #): 4G10445 (EXP. DATE): Sep/26 — POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.06 / 7.06	4.00 / 4.00	☒ WITHIN RANGE	06:45
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 4G102IZ (EXP. DATE): Sep/25 — POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
~~1273~~ / ~~1273~~	~~11.8~~ (+1)	☐ WITHIN RANGE	
1110 / 1110	11.8	☒ WITHIN RANGE	0652
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 24D100351 (EXP. DATE): 4/29 — POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
221.2 / 221.2	12.4	☒ WITHIN RANGE	06:55
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING — POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
~~10.6~~ 10.6 / 10.6	13.5	☒ WITHIN RANGE	0654
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 210800714 (EXP. DATE): 6/21 — POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): NM — POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	9.98 / 10.0	☒ WITHIN RANGE	0700
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):	☑ STANDARD SOLUTION (S)
	LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	CALIBRATION RANGES (1)
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ _____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ _____	

NOTES

Separate Turbid. Meter
Lamotte 2020e

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
None	

SIGNED 4/16/25 DATE

CHECKED BY 4-18-25 DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW Monitoring	MODEL: YSI ProDSS	SAMPLER: AW JJ
PROJECT NO.:	620066.0000.0000	SERIAL #: PROJECT	DATE: 4/15/25

PH CALIBRATION CHECK

pH 7 (LOT #): 4GH0553 (EXP. DATE): Aug 26 — POST-CAL. READING / STANDARD	pH 10 (LOT #): 4G16445 (EXP. DATE): Sep 26 — POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.04 / 7.04	4.00 / 4.00	☒ WITHIN RANGE	06:05
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 4G16212 (EXP. DATE): Sep 25 — POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1241 / 1241	16.9	☒ WITHIN RANGE	06:10
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 24D100351 (EXP. DATE): 4/29 — POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
245.0 / 245.0	17.0	☒ WITHIN RANGE	06:13
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING — POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
9.90 / 9.90	17.4	☒ WITHIN RANGE	06:17
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 21080074 (EXP. DATE): 6/21 — POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): NM — POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	10.0 / 10.0	☒ WITHIN RANGE	06:25
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):

☑ STANDARD SOLUTION (S) — LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

CALIBRATED PARAMETERS		CALIBRATION RANGES [1]	
☐	pH	pH:	+/- 0.2 S.U.
☐	COND	COND:	+/- 1% OF CAL. STANDARD
☐	ORP	ORP:	+/- 25 mV
☐	D.O.	D.O.:	VARIES
☐	TURB	TURB:	+/- 5% OF CAL. STANDARD
☐	_____	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER	
☐	_____		

NOTES

Separate Turbidity Meter
LaMotte 2020t

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
None	

SIGNED [signature] 4/15/25 DATE

CHECKED BY [signature] 4-18-25 DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE CCR SQLF 1SA25 GW Monitoring	DATE: 4/14/25
PROJECT NUMBER:	620066.0000.0000	AUTHOR: AW JJ

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-104	11:35 Toc	TOC	80.20	NM	—	—
MW-103	07:50	TOC	130.20	NM	—	—
MW-106	07:04	TOC	107.20	NM	—	—
MW-105	1100	TOC	20.04	NM	—	—
MW-101	10:12	TOC	178.00	NM	—	—
MW-102	09:25	TOC	207.95	NM	—	—
MW-107	08:30	TOC	155.50	NM	—	—
MW-108A	12:20	TOC	47.87	NM	—	—

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

SIGNED 4/15/25 DATE

CHECKED 4-18-25 DATE

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4-18-25

SAMPLE ID: MW-101 | WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1012	DATE: 4/14/25	SAMPLE	TIME: 1038	DATE: 4/14/25
PURGE METHOD: ☑ PUMP ☐ BAILER	BLADDER PUMP (DEDICATED)		PH: 7.15 SU	CONDUCTIVITY: 1646 umhos/cm	
			ORP: -239.2 mV	DO: 0.73 mg/L	
DEPTH TO WATER: 178.00 T/ PVC			TURBIDITY: 3.00 NTU		
DEPTH TO BOTTOM NM T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 11.5 °C	OTHER: —	
VOLUME REMOVED: 6.0 ☑ LITERS ☐ GALLONS			COLOR: Clear	ODOR: None	
COLOR: Clear	ODOR: None		FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☒ DUP- 01	
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: LL Hg Sample Collected for DTE		

TIME	PURGE RATE (ML/MIN)	PH (6.5-7.8 SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
10:18	300	6.79	1592	-127.3	3.00	6.22	12.1	178.00	INITIAL
10:23		7.00	1574	-216.7	0.88	3.01	11.5		1.5
10:28		7.15	1638	-232.9	0.82	3.07	11.5		3.0
10:33		7.15	1639	-237.2	0.73	3.30	11.5		4.5
10:38		7.15	1640	-239.2	0.73	3.00	11.5		6.0

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

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

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
2	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
2	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Wilm	DATE SIGNED:	4/15/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4-18-25

SAMPLE ID: MW-102 | WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 09:36	DATE: 4/14/25	SAMPLE	TIME: 09:51	DATE: 4/14/25
PURGE METHOD:	☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER		PH: 7.07 SU	CONDUCTIVITY: 1406 umhos/cm	
			ORP: -111.0 mV	DO: 5.24 mg/L	
DEPTH TO WATER: 207.95 T/ PVC			TURBIDITY: 2.70 NTU		
DEPTH TO BOTTOM NM T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM	☐ LITERS ☐ GALLONS		TEMPERATURE: 11.4 °C	OTHER: —	
VOLUME REMOVED: 4.5	☑ LITERS ☐ GALLONS		COLOR: clear	ODOR: None	
COLOR: clear	ODOR: none		FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: LL Hg Sample Collected for DTE		

TIME	PURGE RATE (ML/MIN)	PH (SU) 6.5-7.6	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
09:36	~~200~~ 250	6.95	1667	-171.6	5.42	9.76	11.3	207.95	INITIAL
09:41	↓	7.10	1411	-138.6	5.27	2.16	11.3	↓	1.5
09:46		7.09	1409	-125.5	5.20	1.43	11.4		3.0
09:51	↓	7.07	1406	-111.0	5.24	2.70	11.4	↓	4.5

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

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

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Whaley	DATE SIGNED:	4/15/25

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4-18-25

SAMPLE ID: MW-103 | WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 07:50	DATE: 4/14/25	SAMPLE	TIME: 0815	DATE: 4/14/25

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

DEPTH TO WATER: 130.20 T/ PVC

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 80 ☑ LITERS ☐ GALLONS

COLOR: Clear ODOR: None

TURBIDITY: ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.84 SU | CONDUCTIVITY: 2384 umhos/cm

ORP: -358.4 mV | DO: 0.20 mg/L

TURBIDITY: 2.90 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.7 °C | OTHER: —

COLOR: Clear | ODOR: Slight

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: LL Hg Sample Collected for DTE

TIME	PURGE RATE (ML/MIN)	PH (SU) 6.7-7.6	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
07:55	400	7.30	2373	-227.5	5.50	2.38	11.8	130.20	INITIAL
08:00	↓	6.70	2378	-320.7	0.32	2.82	11.8	↓	2.0
08:05		6.88	2384	-352.2	0.22	2.74	11.7		4.0
08:10		6.87	2387	-352.2	0.21	4.49	11.7		6.0
08:15		6.84	2384	-358.4	0.20	2.90	11.7		8.0

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

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

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Wheeler	DATE SIGNED:	4/15/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4-18-25

SAMPLE ID: MW-104 | WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 11:40	DATE: 4/14/25	SAMPLE	TIME: 12:00	DATE: 4/14/25

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

DEPTH TO WATER: 80.20 T/ PVC

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6.0 ☑ LITERS ☐ GALLONS

COLOR: Clear ODOR: Slight

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.13 SU | CONDUCTIVITY: 2289 umhos/cm

ORP: -345.9 mV | DO: 0.03 mg/L

TURBIDITY: 1.66 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.3 °C | OTHER: —

COLOR: Clear | ODOR: Slight

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS: LL Hg Sample Collected for DTE

TIME	PURGE RATE (ML/MIN)	PH (SU) 6.8~7.9	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1140	300	7.23	2274	-204.6	11.50	2.38	12.8	79.50	INITIAL
1145		7.00	2264	-320.9	0.43	1.50	12.5		1.5
1150		7.16	2289	-350.0	0.11	1.75	12.4		3.0
1155		7.13	2287	-347.8	0.04	1.27	12.3		4.5
12:00		7.13	2289	-345.9	0.03	1.66	12.3		6.0

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

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

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Wehly	DATE SIGNED:	4/15/25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4-18-25

SAMPLE ID: MW-105		WELL DIAMETER:	☐ 2"	☑ 4"	☐ 6"	☐ OTHER	
WELL MATERIAL:	☐ PVC	☑ SS	☐ IRON	☐ GALVANIZED STEEL		☐ OTHER	
SAMPLE TYPE:	☑ GW	☐ WW	☐ SW	☐ DI	☐ LEACHATE	☐ OTHER	

PURGING	TIME: 1100	DATE: 4/14/25	SAMPLE	TIME: 1115	DATE: 4/14/25
PURGE METHOD:	☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER		PH: 7.02 SU	CONDUCTIVITY: 7647 umhos/cm	
			ORP: -170.4 mV	DO: 0.11 mg/L	
DEPTH TO WATER: 20.04 T/ PVC			TURBIDITY: 1.48 NTU		
DEPTH TO BOTTOM NM T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM	☐ LITERS ☐ GALLONS		TEMPERATURE: 11.9 °C	OTHER: —	
VOLUME REMOVED: 3.0	☑ LITERS ☐ GALLONS		COLOR: Clear	ODOR: None	
COLOR: Clear	ODOR: None		FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: LL Hg Sample Collected for DTE		

TIME	PURGE RATE (ML/MIN)	PH 6.6-7.9 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1100	200	6.81	7994	-190.9	2.39	6.68	11.8	20.04	INITIAL
1105	↓	7.01	7656	-233.9	0.26	1.94	11.9	20.27	1.0
1110		7.02	7644	-200.6	0.18	1.50	11.9	↓	2.0
1115		7.02	7647	-170.4	0.11	1.48	11.9		3.0

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

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

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ______

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. [signature]	DATE SIGNED:	4/15/25

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4/18-25

SAMPLE ID: MW-106 | WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 07:06	DATE: 4/14/25	SAMPLE	TIME: 07:31	DATE: 4/14/25
PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER			PH: 6.81 SU	CONDUCTIVITY: 2261 umhos/cm	
			ORP: -364.8 mV	DO: 0.21 mg/L	
DEPTH TO WATER: 107.20 T/ PVC			TURBIDITY: 1.00 NTU		
DEPTH TO BOTTOM NM T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 12.0 °C	OTHER: —	
VOLUME REMOVED: 7.5 ☑ LITERS ☐ GALLONS			COLOR: Clear	ODOR: ~~None~~ Slight	
COLOR: Clear	ODOR: None		FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: LL Hg Sample Collected for DTE		

TIME	PURGE RATE (ML/MIN)	PH (SU) 6.5-7.6	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
07:06	300	6.02	2267	157.9	5.00	7.63	12.2	107.20	INITIAL
07:11		6.46	2291	-274.9	0.44	2.58	12.0		1.5
07:16		6.56	2292	-328.4	0.31	3.13	12.0		3.0
07:21		6.78	2303	-360.9	0.24	2.52	12.0		4.5
07:26		6.79	2265	-360.4	0.22	3.04	12.1		6.0
07:31		6.81	2261	-364.8	0.21	1.00	12.0		7.5

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

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

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/16/25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: A. Wlad	DATE SIGNED: 4/15/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4-18-25

SAMPLE ID: MW-107 | WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 0843	DATE: 4/14/25	SAMPLE	TIME: 09:03	DATE: 4/14/25

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

DEPTH TO WATER: 155.50 T/ PVC

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 8.0 ☑ LITERS ☐ GALLONS

COLOR: Clear ODOR: Moderate

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 6.92 SU | CONDUCTIVITY: 34202 umhos/cm

ORP: -368.0 mV | DO: 0.11 mg/L

TURBIDITY: 2.51 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.6 °C | OTHER: —

COLOR: Clear | ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: LL Hg Sample Collected for DTE

TIME	PURGE RATE (ML/MIN)	PH (SU) 6.5-7.6	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0843	400	6.65	35401	-124.1	702	12.8	11.6	155.50	INITIAL
0848	↓	6.67	34686	-350.9	0.18	2.45	11.7	↓	2.0
0853		6.86	34440	366.6	0.13	2.87	11.6		4.0
0858		6.92	34229	-366.0	0.12	2.24	11.6		6.0
0903		6.92	34202	-368.0	0.11	2.51	11.6		8.0

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

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

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Wlody	DATE SIGNED:	4/15/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/14/25	BY: DD	DATE: 4/18/25

SAMPLE ID: MW-108A	WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6"	☐ OTHER			
WELL MATERIAL:	☐ PVC ☑ SS	☐ IRON	☐ GALVANIZED STEEL	☐ OTHER	
SAMPLE TYPE:	☑ GW ☐ WW	☐ SW	☐ DI	☐ LEACHATE	☐ OTHER

PURGING	TIME: 12:20	DATE: 4/14/25	SAMPLE	TIME: 12:55	DATE: 4/14/25
PURGE METHOD:	☑ PUMP BLADDER PUMP (DEDICATED)		PH: 6.99 SU	CONDUCTIVITY: 4234	umhos/cm
	☐ BAILER		ORP: -158.3 mV	DO: 0.00	mg/L
DEPTH TO WATER: 47.87	T/ PVC		TURBIDITY: 4.89	NTU	
DEPTH TO BOTTOM NM	T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM	☐ LITERS ☐ GALLONS		TEMPERATURE: 12.4 °C	OTHER: —	
VOLUME REMOVED: 14.0	☑ LITERS ☐ GALLONS		COLOR: Clear	ODOR: None	
COLOR: Clear	ODOR: None		FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS: LL Hg Sample Collected for DTE		

TIME	PURGE RATE (ML/MIN)	PH (SU) 6.7-7.0	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
12:20	400	6.36	4535	-207.7	1.93	7.84	12.2	47.87	INITIAL
12:25		7.08	4257	-238.4	0.19	5.77	12.1	47.61	2.0
12:30		7.06	4250	-200.5	0.08	5.86	12.1		4.0
12:35		7.04	4241	-186.6	0.05	5.06	12.1		6.0
12:40		7.04	4233	-174.4	0.01	4.49	12.1		8.0
12:45		7.00	4233	-167.0	0.00	4.53	12.2		10.0
12:50		7.00	4236	-162.7	0.00	4.65	12.3		12.0
12:55		6.99	4234	-158.3	0.00	4.89	12.4		14.0

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

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

BOTTLES FILLED		PRESERVATIVE CODES A - NONE	B - HNO3	C - H2SO4	D - NaOH	E - HCL	F -		
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 4/16/25	AIRBILL NUMBER: —			
COC NUMBER: —	SIGNATURE: A. Wilk	DATE SIGNED: 4/15/25			

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED			CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/15/25	BY: DD	DATE: 4/18/25	

SAMPLE ID: Quarry ~~Sump~~ ~~Discharge~~ WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☒ OTHER Sample port

WELL MATERIAL: ☐ PVC ☑ ~~SCH~~ ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER Sample port

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

PURGING	TIME:	DATE: 4/15/25	SAMPLE	TIME: 06:35	DATE: 4/15/25

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

DEPTH TO WATER: _____ T/ PVC

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☑ LITERS ☐ GALLONS

COLOR: _____ ODOR: _____

TURBIDITY ☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.06 SU CONDUCTIVITY: 8250 umhos/cm

ORP: -206.0 mV DO: 4.78 mg/L

TURBIDITY: 12.6 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.2 °C OTHER: —

COLOR: Cloudy ODOR: Strong

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS: LL Hg Sample Collected for DTE

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0635	NA	7.06	8250	-206.0	4.78	12.6	12.2	NA	INITIAL

GRAB

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

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

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Wing	DATE SIGNED:	4/15/25

WATER SAMPLE LOG

PROJECT NAME:	DTE CCR SQLF 1SA25 GW M	PREPARED		CHECKED	
PROJECT NUMBER:	620066.0000.0000	BY: AW JJ	DATE: 4/15/25	BY: DD	DATE: 4-18-25

SAMPLE ID: Quarry Discharge | WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME:	DATE:

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

DEPTH TO WATER: ____ T/ PVC

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ____ ☑ LITERS ☐ GALLONS

COLOR: ____ ODOR: ____

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 07:08	DATE: 4/15/25

PH: 7.28 SU | CONDUCTIVITY: 2972 umhos/cm

ORP: -73.2 mV | DO: 8.32 mg/L

TURBIDITY: 63.5 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 12.6 °C | OTHER: —

COLOR: Cloudy gray | ODOR: Strong

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA | FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP- ____

COMMENTS: LL Hg Sample Collected for DTE

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0710	NA	7.28	2972	-73.2	8.32	63.5	12.6	NA	INITIAL
			GRAB						

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

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

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - ____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
1	60mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
6	60mL	VOA	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	4/16/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Wlug	DATE SIGNED:	4/15/25

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Whaley	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131953-43411.1
Client Contact: Jacob Krenz	Phone: 734-210-9279	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested: Standard			
City: Ann Arbor	TAT Requested (days): Standard			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229272			
Email: Awhaley ~~JKrenz~~@trccompanies.com	WO #: 553931.0002 620066.0000 186200			
Project Name: CCR DTE Sibley Quarry App III	Project #: 24016805			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes: D - HNO3, N - None

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B Bo, 6020 Ca, Fe	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	Total Number of containers	Special Instructions/Note:
	Preservation Code:						D	N	N		
MW-101	4/14/25	10:38	G	Water	N	N	X	X	X	3	
MW-102	4/14/25	09:51	G	Water	N	N	X	X	X	3	
MW-103	4/14/25	08:15	G	Water	N	N	X	X	X	3	
MW-104	4/14/25	12:00	G	Water	N	N	X	X	X	3	
MW-105	4/14/25	11:15	G	Water	N	N	X	X	X	3	
MW-106	4/14/25	07:31	G	Water	N	N	X	X	X	3	
MW-107	4/14/25	09:03	G	Water	N	N	X	X	X	3	
MW-108A	4/14/25	12:55	G	Water	N	N	X	X	X	3	
Quarry Sump	4/15/25	06:35	G	Water	N	N	X	X	X	3	
Quarry Discharge	4/15/25	07:08	G	Water	N	N	X	X	X	3	
Dup-01	4/14/25	—	G	Water	N	N	X	X	X	3	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/15/25 11:30	TRC	TRC, Storage	4/15/25 11:30	TRC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/16/25 1200	Company EDIA
3	Relinquished by:	Date/Time:	Company	Received by: David Disley	Date/Time: 4-16-25 1200	Company TRC

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

David Disley 4-16-25

PROJECT NAME:	DTE: CCR SQLF 2025 Sample & Report
PROJECT NUMBER:	620066.0000.0000
PROJECT MANAGER:	Vince Buening
SITE LOCATION:	Trenton, Michigan
DATES OF FIELDWORK:	5/16/2025 ~~TO~~
PURPOSE OF FIELDWORK:	Verification Sampling for 1SA25 CCR Sampling Event
WORK PERFORMED BY:	Jake Krenz

5-19-25
SIGNED DATE

5-22-25
CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE: CCR SQLF 2025 Sample	DATE:	TIME ARRIVED: 0730
PROJECT NUMBER: 620066.0000.0000	AUTHOR: Jake Krenz	TIME LEFT: 1045

WEATHER

TEMPERATURE: 70 °F WIND: 0-5 MPH VISIBILITY: clear

WORK / SAMPLING PERFORMED

Collected Verification samples from MW-101 and MW-102 plus Duplicates

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
B. Haske	DTE	check in/out

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
purge water	~ 3 L	purged to ground

SIGNED 5-19-25 DATE

CHECKED BY 5-22-25 DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME: DTE CCR ~~BRP~~ SCLF BABs & DB	SAMPLER NAME: Jake Krenz
PROJECT NO.: 620066.0000 ~~620070.0000.0000~~	

WATER LEVEL MEASUREMENTS COLLECTED WITH:

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

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

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

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

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

PURGING METHOD

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

SAMPLING METHOD

BLADDER PUMP (DEDICATED)	PROJECT DEDICATED
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
NA	NA
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DEDICATED TEFLON TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	LABORATORY PROVIDED
POTABLE WATER SOURCE	DI WATER SOURCE
SIGNED 5-19-25 DATE	CHECKED BY 5-22-25 DATE

REVISED 04/2019

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: DTE:CCR SGLF 2025 Smpl + Report	MODEL: YSI Pro DSS	SAMPLER: JK
PROJECT NO.: 620066.0000.0000	SERIAL #: PROJECT	DATE: 5-16-25

PH CALIBRATION CHECK

pH 7 (LOT #): 568488 (EXP. DATE): Feb/27 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 462 0445 (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.02 / 7.02	4.00 / 4.00	☒ WITHIN RANGE	0800
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 56B1086 (EXP. DATE): Feb/26 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1351 / 1351	20.4	☒ WITHIN RANGE	0755
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 23L100196 (EXP. DATE): 11-7-28 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
236.8 / 236.8	20.2	☒ WITHIN RANGE	0805
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
8.85 / 8.85	20.1	☐ WITHIN RANGE	0807
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): C7467876 (EXP. DATE): 2/19 POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
11.1 / 10.0	/	☒ WITHIN RANGE	0757
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):	☑ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	CALIBRATION RANGES [1]
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ _____	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ _____	

NOTES

Separate Turbidity Meter

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED _____ 5-19-25 DATE

CHECKED BY _____ 5-22-25 DATE

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE ICCR SQLF 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620066.0000	BY: JK	DATE: 5-16-25	BY: A. Wlug	DATE: 5-22-25

SAMPLE ID: MW-101 WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 0809	DATE: 5-16-25	SAMPLE	TIME: 0915	DATE: 5-16-25

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

DEPTH TO WATER: 170.04 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NA ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 14 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: none

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER

PH: 6.78 SU CONDUCTIVITY: 2410 umhos/cm

ORP: -150.9 mV DO: 0.86 mg/L

TURBIDITY: 2.15 NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.4 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☒ DUP- 01

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0805	200	5.89	2315	-40.5	0.77	3.99	12.2	171.06	INITIAL
0810	↓	6.42	2348	-85.2	0.64	2.97	12.6	171.06	1
0815		6.63	2390	-114.1	0.61	2.19	12.6	171.06	2
0820		6.65	2398	-125.2	0.55	2.53	12.7	171.06	3
0825		6.66	2385	-130.3	0.61	2.41	13.5	171.06	4
0830		6.66	2417	-130.4	0.67	2.07	12.7	171.06	5
0835		6.67	2403	-136.2	0.51	2.24	12.8	171.06	6
0840		6.69	2401	-138.9	0.46	2.36	12.8	171.06	7
0845		6.70	2404	-142.1	0.40	2.21	12.4	171.06	8
0850		6.72	2404	-144.4	0.37	2.16	12.4	171.06	9

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

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
~~3~~	~~40 mL~~	~~VOA~~	~~E~~	☐ Y ☐ N					☐ Y ☐ N
~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☐ N					☐ Y ☐ N
~~2~~	~~250 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☐ N					☐ Y ☐ N
2	500mL	Plastic	A	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Lab Drop off DATE SHIPPED: 5-20-25 AIRBILL NUMBER: —

COC NUMBER: — SIGNATURE: [signature] DATE SIGNED: 5-19-25

TRC **WATER SAMPLE LOG** (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: DTE: CCR SQLF 2025	PREPARED		CHECKED	
PROJECT NUMBER: 620066.0000	BY: JK	DATE: 5-16-25	BY: A. White	DATE: 5-22-25

SAMPLE ID: MW-101

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0855	200	6.73	2401	-147.2	0.38	2.38	12.4	171.06	10
0900	200	6.74	2403	-149.7	0.37	2.27	12.4	171.06	11
0905	200	6.75	2402	-149.9	0.37	2.41	12.4	171.06	12
0910	200	6.75	2417	-150.6	0.36	2.28	12.4	171.06	13
0915	200	6.75	2410	-150.9	0.36	2.15	12.4	171.06	14

SIGNATURE: [signature] DATE SIGNED: 5-19-25

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE:CCR SGLF 2025	PREPARED	CHECKED
PROJECT NUMBER: 620066.0000	BY: JK DATE: 5-16-25	BY: A. Wheeler DATE: 5-22-25

SAMPLE ID: MW-102 WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 0935	DATE: 5-16-25

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

DEPTH TO WATER: 243.35 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NA ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 9 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1025	DATE: 5-16-25

PH: 6.78 SU CONDUCTIVITY: 1992 umhos/cm

ORP: 92.7 mV DO: 6.11 mg/L

TURBIDITY: 1.76 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.5 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☒ DUP- 02

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0940	200	6.94	2048	5.9	8.68	0.86	14.8	243.50	INITIAL
0945	200	6.83	1969	47.0	7.45	0.72	13.2	243.50	1
0950	200	6.38	1967	58.9	5.96	0.81	13.2	243.50	2
0955	200	6.42	1981	65.5	5.61	0.79	13.1	243.50	3
1000	↓	6.56	1988	72.1	5.60	0.91	13.3	243.50	4
1005		6.64	1990	76.8	5.71	1.27	13.7	243.50	5
1010		6.71	1991	81.6	5.85	1.56	13.5	243.50	6
1015		6.75	1991	85.8	5.96	1.72	13.5	243.50	7
1020		6.77	1990	89.0	6.06	1.59	13.5	243.50	8
1025		6.78	1992	92.3	6.11	1.76	13.5	243.50	9

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

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
~~3~~	~~40 mL~~	~~VOA~~	~~E~~	~~☐ Y ☐ N~~					☐ Y ☐ N
~~1~~	~~500mL~~	~~PLASTIC~~	~~B~~	~~☐ Y ☐ N~~					☐ Y ☐ N
~~2~~	~~250 mL~~	~~PLASTIC~~	~~A~~	~~☐ Y ☐ N~~					☐ Y ☐ N
2	250mL	Plastic	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Lab Dump off DATE SHIPPED: 5-20-25 AIRBILL NUMBER: —

COC NUMBER: — SIGNATURE: [signature] DATE SIGNED: 5-19-25

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

Chain of Custody Record

MICHIGAN 190

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-132725-45615.1
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			
City: Ann Arbor	TAT Requested (days):			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229272			
Email: vbuening@trccompanies.com	WO #: 620066.0000.0000			
Project Name: CCR DTE Sibley Quarry	Project #: 24016805			
Site: Michigan	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - TDS	6010B Bo, 6020B Fe	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
MW-101	5-16-25	0915	G	Water	N	N	X			
DUP-01	↓	—	↓	Water	N	N	X			
MW-102		1025		Water	N	N		X		
DUP-2	↓	—	↓	Water	N	N		X		

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by:	5-16-25 1700	TRC	Received by:	5-16-25 1700	TRC
Relinquished by: TRC	5/20/25 9:13		Received by:	5/20/25 1015	FEDEX
Relinquished by:			Received by:		

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

TRC

PROJECT NAME:	DTE: CCR SQLF 2025 Sample & Report
PROJECT NUMBER:	000620066.0000.0000
PROJECT MANAGER:	Vince Buening
SITE LOCATION:	Trenton, Michigan
DATES OF FIELDWORK:	10/20/25 ~~TO~~
PURPOSE OF FIELDWORK:	Second Semiannual 2025 CCR Sampling Event
WORK PERFORMED BY:	Elliot Wielgopolski, Ali Yaasiin

E Wielgopolski 10/23/25
SIGNED DATE

CHECKED BY 11-4-25
DATE

REVISED 04/2019

TRC

GENERAL NOTES

PROJECT NAME: DTE: CCR SQLF 2025 Sample	DATE: 10/20/25	TIME ARRIVED: 0730
PROJECT NUMBER: 000620066.0000.0000	AUTHOR: Elliot Wielgopolski, Ali Y	TIME LEFT: 1330

WEATHER		
TEMPERATURE: 41-62 °F	WIND: 5-10 MPH	VISIBILITY: Clear

WORK / SAMPLING PERFORMED

- SWLs
- Calibrated
- Sample 2 discharge points; Quarry Sump and Quarry Discharge
- Sample wells: MW-101, 102, 103, 105, 107

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
None	

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vince Buening	TRC	Project Manager

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purged to ground

E Wiff 10/23/25
SIGNED DATE

CHECKED BY 11-4-25
DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE: CCR SQLF 2025 Sample	DATE: 10-20-25	TIME ARRIVED: 0730
PROJECT NUMBER: 000620066.0000.0000	AUTHOR: Elliot Wielgopolski, Ali Y	TIME LEFT: 1500

WEATHER

TEMPERATURE: 55 °F WIND: 0-5 MPH VISIBILITY: clear

WORK / SAMPLING PERFORMED

- Arrived on site, met with Elliot, Andrew, & the sight contact Bill
- Went around to take water level depths together, then broke off to sample wells
- Sampled wells MW-104, 106, & 108A

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
-Controller had the air-out tube missing for no mysterious reason	-Returned to the office to get a spare

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Bill Cross	DTE	Site Coordinator

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purged to Ground

A Yassin 10-21-25
SIGNED DATE

CHECKED BY 11-4-25
DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE: CCR SQLF 2025 Sample & Report	DATE: 10-20-25
PROJECT NUMBER:	000620066.0000.0000	AUTHOR: Elliot Wielgopolski, Ali Yaasiin

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-101	0820	TOC	193.54	NM	NA	NA
MW-102	0807	TOC	246.25	NM	NA	NA
MW-103	0750	TOC	165.50	NM	NA	NA
MW-104	0741	TOC	118.40	NM	NA	NA
MW-105	0827	TOC	22.50	NM	NA	NA
MW-106	0747	TOC	107.71	NM	NA	NA
MW-107	0758	TOC	153.40	NM	NA	NA
MW-108A	0955	TOC	53.75	NM	NA	NA

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

E. Wielgopolski 11/6/25
SIGNED DATE

CHECKED 11-4-25
DATE

REVISED 04/2019

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE: CCR SQLF 2025 Samp	SAMPLER NAME:	Elliot Wielgopolski, Ali Yaasiin
PROJECT NO.:	000620066.0000.0000		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

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

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

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

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

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

PURGING METHOD

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

SAMPLING METHOD

BLADDER PUMP (DEDICATED)	PROJECT DEDICATED
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
NA	NA
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DEDICATED TEFLON TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	LABORATORY PROVIDED
POTABLE WATER SOURCE	DI WATER SOURCE
[signature] 10/23/25	[signature] 11-4-25
SIGNED DATE	CHECKED BY DATE

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample & Report	MODEL: YSI Pro DSS	SAMPLER: (EW) AY
PROJECT NO.:	000620066.0000.0000	SERIAL #: Ann Arbor	DATE: 10/20/25

PH CALIBRATION CHECK

pH 7 (LOT #): 56F1781 (EXP. DATE): Jun/27 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 56F0926 (EXP. DATE): Jun/27 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.07 / 7.07	4.00 / 4.00	☒ WITHIN RANGE	0835
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 5660322 (EXP. DATE): POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1099 / 1099	11.0	☐ WITHIN RANGE	0837
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): ZSB100011 (EXP. DATE): 4/3/2030 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
243.6 / 243.6	11.0	☒ WITHIN RANGE	0841
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
100% / 100%	10.4	☒ WITHIN RANGE	0843
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 01 (EXP. DATE): Water POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	/	☒ WITHIN RANGE	0845
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):	☑ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	CALIBRATION RANGES (1)
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ _____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ _____	

NOTES

PROBLEMS ENCOUNTERED / CORRECTIVE ACTIONS

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
100 cal solution only showing 50 turbidity.	only calibrated 0

E Wff - 10/23/25
SIGNED DATE

CHECKED BY 11-4-25
DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample & Report	MODEL:	YSI Pro ODS	SAMPLER:	EW / AY
PROJECT NO.:	000620066.0000.0000	SERIAL #:	DTE	DATE:	10/20/25

PH CALIBRATION CHECK

pH 7 (LOT #): 5GF1781 (EXP. DATE): JUN/27 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 5G-E0612 (EXP. DATE): MAY/27 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.00 / 7.00	4.00 / 4.00	☑ WITHIN RANGE	0838
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 5GG-0322 (EXP. DATE): JUL/26 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1000 / 1000	8.3	☑ WITHIN RANGE	0842
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 25F100369 (EXP. DATE): 2030-06-16 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
247.5 / 247.5	8.3	☑ WITHIN RANGE	0845
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
10.90 mg/L / 10.90 mg/L	8.9	☑ WITHIN RANGE	0847
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):	☑ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	CALIBRATION RANGES [1]
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ ______	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ ______	

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED [signature] DATE 11-11-25

CHECKED BY [signature] DATE 11-4-25

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER:	000620066.0000.0000	BY: EW / AY	DATE: 10/20/25	BY: A. Wluf	DATE: 11-4-25

SAMPLE ID: MW-101 | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1030	DATE: 10/20/25	SAMPLE	TIME: 1055	DATE: 10/20/25

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

DEPTH TO WATER: 191.54 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 5.0 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: None

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

PH: 7.09 SU | CONDUCTIVITY: 1526 umhos/cm

ORP: -291.0 mV | DO: 0.53 mg/L

TURBIDITY: 39.46 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 12.5 °C | OTHER:

COLOR: Clear | ODOR: None

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — | FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH 6.8-7.8 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1030	200	6.51	2170	-212.0	2.69	18.24	13.4	191.54	INITIAL
1035	↓	6.67	1706	-259.1	0.82	15.60	12.4	↓	1.0
1040		7.00	1563	-274.4	0.66	33.79	12.6		2.0
1045		7.09	1532	-283.7	0.59	37.28	12.4		3.0
1050		7.10	1525	-287.9	0.55	38.16	12.6		4.0
1055		7.09	1526	-291.0	0.53	39.46	12.5		5.0

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/20/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	EW	DATE SIGNED:	10/23/25

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER:	000620066.0000.0000	BY: EW / AY	DATE: 10/20/25	BY: A. [illegible]	DATE: 11-4-25

SAMPLE ID: MW-102 | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1112	DATE: 10/20/25	SAMPLE	TIME: 1132	DATE: 10/20/25
PURGE METHOD:	☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER		PH: 6.91 SU	CONDUCTIVITY: 1547	umhos/cm
			ORP: -196.2 mV	DO: 2.23	mg/L
DEPTH TO WATER:	246.25 T/ PVC		TURBIDITY: 6.75 NTU		
DEPTH TO BOTTOM:	NM T/ PVC		☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	NM ☐ LITERS ☐ GALLONS		TEMPERATURE: 11.7 °C	OTHER:	
VOLUME REMOVED:	4.0 ☒ LITERS ☐ GALLONS		COLOR: Clear	ODOR: None	
COLOR:	Cloudy ODOR: None		FILTRATE (0.45 um) ☐ YES ☒ NO		
TURBIDITY			FILTRATE COLOR: —	FILTRATE ODOR: —	
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD:	☒ GROUND ☐ DRUM ☐ OTHER		COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH 6.5-7.6 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1112	200	6.85	1518	-159.9	5.66	50.38	12.9	246.25	INITIAL
1117	↓	6.65	1539	-173.8	3.65	36.36	12.0	↓	1.0
1122		6.86	1545	-184.7	2.57	9.87	11.7		2.0
1127		6.90	1547	-190.1	2.32	9.08	11.7		3.0
1132		6.91	1547	-196.2	2.23	6.75	11.7	↓	4.0

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/20/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	EW	DATE SIGNED:	10/23/25

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER:	000620066.0000.0000	BY: EW / AY	DATE: 10/20	BY: A. Wlwy	DATE: 11-4-25

SAMPLE ID: MW-103 | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1258	DATE: 10/20/25
PURGE METHOD:	☑ PUMP ☐ BAILER	BLADDER PUMP (DEDICATED)
DEPTH TO WATER:	165.50 T/ PVC	
DEPTH TO BOTTOM:	NM T/ PVC	
WELL VOLUME:	NM ☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	5.0 ☒ LITERS ☐ GALLONS	
COLOR:	clear	ODOR: Slight
TURBIDITY	☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☐ OTHER	

SAMPLE	TIME: 1323	DATE: 10/20/25
PH: 6.99 SU	CONDUCTIVITY: 2592 umhos/cm	
ORP: -339.6 mV	DO: 0.44 mg/L	
TURBIDITY: 3.90 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 13.3 °C	OTHER:	
COLOR: clear	ODOR: None	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR: —	FILTRATE ODOR: —	
QC SAMPLE: ☐ MS/MSD ☐ DUP-		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH 6.7-7.6 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1258	200	2.92	3219	-70.9	4.88	7.42	15.8	165.50	INITIAL
1303	|	6.79	2616	-249.1	2.94	3.09	13.8	|	1.0
1308	|	6.76	2583	-302.3	0.73	6.15	13.5	|	2.0
1313	|	6.94	2596	-327.4	0.51	4.56	13.7	|	3.0
1318	|	6.99	2595	-337.0	0.46	6.85	13.5	|	4.0
1323	|	6.99	2592	-339.0	0.44	3.90	13.3	|	5.0

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/20/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:		DATE SIGNED:	

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER: 000620066.0000.0000	BY: EW / AY	DATE: 10-20-25	BY: A. Whyte	DATE: 11-4-25

SAMPLE ID: MW-104 | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1248	DATE: 10-20-25	SAMPLE	TIME: 1303	DATE: 10-20-25

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

DEPTH TO WATER: 118.40 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 3 ☑ LITERS ☐ GALLONS

COLOR: Clear ODOR: Slight

TURBIDITY ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

PH: 7.07 SU CONDUCTIVITY: 1998 umhos/cm

ORP: -217.2 mV DO: 0.24 mg/L

TURBIDITY: 0.50 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.4 °C OTHER:

COLOR: Clear ODOR: Slight

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1248	200	6.97	2211	2.2	6.18	11.11	12.8	118.46	INITIAL
1253	|	6.96	2018	-70.6	4.88	5.94	14.1	|	1
1258	|	6.85	2004	-166.9	0.46	2.35	13.5	|	2
1303	|	7.07	1998	-217.2	0.24	0.50	13.4	|	3

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: courier	DATE SHIPPED: 10-21-25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: [signature]	DATE SIGNED: 10-21-25

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER: 000620066.0000.0000	BY: EW / AY	DATE: 10/20/25	BY: [signature]	DATE: 11-4-25

SAMPLE ID: MW-105 | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 0947	DATE: 10/20/25	SAMPLE	TIME: 1012	DATE: 10/20/25
PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER			PH: 7.03 SU	CONDUCTIVITY: 8969 umhos/cm	
			ORP: -280.2 mV	DO: 0.47 mg/L	
DEPTH TO WATER: 22.70 T/ PVC			TURBIDITY: 6.07 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 13.1 °C	OTHER:	
VOLUME REMOVED: 5.0 ☒ LITERS ☐ GALLONS			COLOR: Clear	ODOR: None	
COLOR: Clear ODOR: None			FILTRATE (0.45 um) ☐ YES ☒ NO		
TURBIDITY ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR: —	FILTRATE ODOR: —	
			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☒ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH 6.6-7.9 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0947	200	7.48	8251	-189.6	7.37	16.03	13.8	22.70	INITIAL
0952	|	6.75	8265	-231.8	2.24	8.47	13.4	22.70	1.0
0957	|	7.11	8215	-282.1	0.74	6.82	13.1	22.70	2.6
1002	|	7.03	8847	-279.5	0.57	6.11	13.1	22.70	3.0
1007	|	7.03	8960	-273.6	0.51	6.08	13.1	22.70	4.0
1012		7.03	8969	-280.2	0.47	6.07	13.1	22.70	5.0

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

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/20/25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: EW	DATE SIGNED: ~~10/21/25~~ 11/6/25

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER:	000620066.0000.0000	BY: EW / AY	DATE: 10-20-25	BY: A.W[illegible]	DATE: 11-4-25

SAMPLE ID: MW-106 | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1341	DATE: 10-20-25	SAMPLE	TIME: 1411	DATE: 10-20-25

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

DEPTH TO WATER: 3 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 3 ☑ LITERS ☐ GALLONS

COLOR: clear, tiny particulates ODOR: slight

TURBIDITY ☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

PH: 6.60 SU | CONDUCTIVITY: 2012 umhos/cm

ORP: -252.2 mV | DO: 0.23 mg/L

TURBIDITY: 0.49 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 15.7 °C | OTHER:

COLOR: clear | ODOR: slight

FILTRATE (0.45 um) ☐ YES ☐ NO

FILTRATE COLOR: | FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1341	100	6.52	2039	-47.5	2.71	0.49	15.4	107.71	INITIAL
1346		6.54	2010	-73.6	1.22	0.03	15.3		0.5
1351		6.44	2007	-181.7	0.35	0.01	15.1		1
1356		6.46	2005	-208.1	0.23	0.25	15.4		1.5
1401		6.50	2008	-228.5	0.23	2.35	15.9		2
1406		6.54	2010	-246.7	0.22	1.31	15.9		2.5
1411		6.60	2012	-252.2	0.23	0.49	15.7		3

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	courier	DATE SHIPPED:	10/20/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	[signature]	DATE SIGNED:	10-21-25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER:	000620066.0000.0000	BY: EW / AY	DATE: 10/20/25	BY: A. Whitney	DATE: 11-4-25

SAMPLE ID: MW-107 | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1153	DATE: 10/20/25

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

DEPTH TO WATER: 155.40 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ☐ LITERS ☐ GALLONS

COLOR: cloudy ODOR: moderate

TURBIDITY ☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1228	DATE: 10/20/25

PH: 6.89 SU CONDUCTIVITY: 36878 umhos/cm

ORP: -305.0 mV DO: 0.46 mg/L

TURBIDITY: 7.91 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.6 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH 6.5-7.6 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1153	200	6.63	36842	-95.0	6.66	17.63	14.8	155.40	INITIAL
1158		5.95	37767	-210.5	3.81	5.56	13.4		1.0
1203		6.33	37792	-247.9	2.26	4.56	13.5		2.0
1208		6.57	37559	-273.7	1.32	5.08	13.7		3.0
1213		6.72	37093	-289.1	0.80	5.38	13.6		4.0
1218		6.82	36764	-299.8	0.60	7.95	13.6		5.0
1223		6.87	36781	-299.0	0.52	9.19	13.3		6.0
1228		6.89	36878	-305.0	0.46	7.91	13.6		7.0

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/20/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	EW	DATE SIGNED:	11/6/25

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER: 000620066.0000.0000	BY: EW / AY	DATE: 10-20-25	BY: A. Wlug	DATE: 11-4-25

SAMPLE ID: MW-108A | WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1210	DATE: 10-20

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

DEPTH TO WATER: 53.75 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: AY ~~53.75~~ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ~~AY NM~~ ☑ LITERS 4.5 ☐ GALLONS

COLOR: clear ODOR: Slight

TURBIDITY
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1225	DATE: 10-20-25

PH: 7.00 SU | CONDUCTIVITY: 3980 umhos/cm

ORP: -49.2 mV | DO: 0.31 mg/L

TURBIDITY: NM NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.4 °C | OTHER:

COLOR: clear | ODOR: slightly

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: | FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☑ DUP- 01

COMMENTS: No turbidity measured, but water was clear ×10

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1210	300	6.50	3835	47.6	3.00		12.6	53.75	INITIAL
1215	|	6.92	3758	-6.0	0.60	|	12.3	|	1.5
1220	|	6.94	3831	-55.6	0.39	|	12.3	|	3.0
1225	|	7.00	3980	-49.2	0.31	|	12.4	|	4.5

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
×2	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
×2	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
×2	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: courier	DATE SHIPPED: 10-21-25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: [signature]	DATE SIGNED: 10-21-25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER:	000620066.0000.0000	BY: EW / AY	DATE: 10/20/25	BY: A. Wlwy	DATE: 11-4-25

SAMPLE ID: Quarry Discharge | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER Sample port

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

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

PURGING	TIME:	DATE:

PURGE METHOD: ☑ PUMP ~~BLADDER PUMP (DEDICATED)~~ ☐ ~~BAILER~~ Sample point

DEPTH TO WATER: NA T/ PVC

DEPTH TO BOTTOM: NA T/ PVC

WELL VOLUME: NA ☐ LITERS ☐ GALLONS

VOLUME REMOVED: NA ☐ LITERS ☐ GALLONS

COLOR: cloudy ODOR: Low

TURBIDITY

☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 0922	DATE: 10/20/25

PH: 7.45 SU | CONDUCTIVITY: 4286 umhos/cm

ORP: -146.4 mV | DO: 6.30 mg/L

TURBIDITY: 255.86 NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

TEMPERATURE: 12.5 °C | OTHER: —

COLOR: Cloudy -Gray | ODOR: Slight

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: | FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0919	NA	7.49	9267	-151.6	6.65	291.88	12.4	NA	INITIAL
0922	1	7.45	9286	-146.4	6.30	255.86	12.5	1	—
			*	GRAB		SAMPLE			

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

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	~~EOD~~ 10/20/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	EW	DATE SIGNED:	11/6/25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE: CCR SQLF 2025 Sample	PREPARED		CHECKED	
PROJECT NUMBER:	000620066.0000.0000	BY: EW / AY	DATE: 10/20/25	BY:	DATE:

SAMPLE ID: Quarry Sump | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER Sample Port

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

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

PURGING	TIME: 0902	DATE: 10/20/25	SAMPLE	TIME: 0905	DATE: 10/20/25

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

DEPTH TO WATER: NA T/ PVC

DEPTH TO BOTTOM: NA T/ PVC

WELL VOLUME: NA ☐ LITERS ☐ GALLONS

VOLUME REMOVED: NA ☐ LITERS ☐ GALLONS

COLOR: cloudy ODOR: moderate

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER

PH: 7.10 SU CONDUCTIVITY: 10150 umhos/cm

ORP: -260.9 mV DO: 2.87 mg/L

TURBIDITY: 0.45 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.9 °C OTHER:

COLOR: Clear ODOR: moderate

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0902	NA	7.03	10065	-259.8	3.59	4.48	12.5	NA	INITIAL
0905	1	7.10	10150	-260.9	2.87	0.45	12.9	1	—
		*	GRAB SAMPLE						

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

pH: +/- **0.1** COND.: +/- **10 %** ORP: +/- D.O.: +/- TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED | PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
1	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
1	500mL	PLASTIC	B	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	courier	DATE SHIPPED:	10/20/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	GW	DATE SIGNED:	11/6/25

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ali Y., Andrew W., Elliot W.	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-138156-43411.1
Client Contact: Jacob Krenz	Phone: 734-273-2725	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: TRC Environmental Corporation.	PWSID:			Job #:

Address: 1540 Eisenhower Place	Due Date Requested:	
City: Ann Arbor	TAT Requested (days):	
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No	
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229272	
Email: JKrenz@trocompanies.com	WO #: 553931.0002	
Project Name: CCR DTE Sibley Quarry App III	Project #: 24016805	
Site: Michigan	SSOW#:	

Analysis Requested

Preservation Codes: D - HNO3, N - None

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B, 6020	2540C_Calcd - TDS	9056A_28D - Chloride, Fluoride and Sulfate	Total Number of Containers	Special Instructions/Note:
		Preservation Code:					D	N	N		
MW-101	10-20-25	1055	G	Water			X	X	X		
MW-102		1132		Water							
MW-~~102~~ 103		1323		Water							
MW-104		1303		Water							
MW-105		1012		Water							
MW-106		1411		Water							
MW-107		1228		Water							
MW-1018A		1225		Water							
QARRY SUMP		0905		Water							
QUARRY DISCHARGE		0922		Water							
DUP-01				Water							

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Ali Yeasin	Date/Time: 10-20-25 1700	Company: TRC	Received by:		Date/Time: 10/20/25 1700	Company: EETA	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	

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

Ver: 10/10/2024

Appendix D
Data Quality Reviews

Laboratory Data Quality Review
Groundwater Monitoring Event April 2025 (Detection Monitoring)
DTE Electric Company Sibley Quarry Landfill (DTE SQLF)

Groundwater samples were collected by TRC for the April 2025 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 240-222507-1.

During the April 2025 sampling event, a groundwater sample was collected from each of the following wells:

- MW-101
- MW-102
- MW-103
- MW-104
- MW-105
- MW-106
- MW-107
- MW-108A
- QUARRY SUMP
- QUARRY DISCHARGE

Each sample was analyzed for the following constituents:

Analyte Group	Method
Anions (Chloride, Fluoride, Sulfate)	SW846 9056A
Total Boron	SW846 3005A/6010D
Total Calcium	SW846 3005A
Total Dissolved Solids	SM 2540C-2020

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:

- Chain-of-custody (COC) and data completeness;
- Sample receipt, as noted in the cover page or case narrative;
- Technical holding times for analyses;
- Reporting limits (RLs) compared to project-required RLs;
- Data for method blanks, equipment blanks, and field blanks. Method blanks are used to assess potential contamination arising from laboratory sample preparation and/or analytical procedures. Field and equipment blanks are used to assess potential contamination arising from field procedures;

- Data for laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs), when performed. The LCSs and/or LCSDs are used to assess the accuracy of the analytical method using a clean matrix;
- Percent recoveries for matrix spike (MS) and matrix spike duplicates (MSD), when performed on project samples. Percent recoveries are calculated for each analyte spiked and used to assess bias due to sample matrix effects;
- Data for laboratory duplicates, when performed on project samples. The laboratory duplicates are replicate analyses of one sample and are used to assess the precision of the analytical method;
- 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 will be utilized for the purposes of a detection monitoring program.
- Data are usable for the purposes of the detection monitoring program.
- When the data are evaluated through a detection monitoring statistical program, findings below may be used to support the removal of outliers.

QA/QC Sample Summary

- Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC.
  - The lab reported boron using SW846 method 6010D rather than 6010B as listed in the Quality Assurance Project Plan (QAPP) (and as requested on the COC). There was no adverse impact on the data usability due to this issue.
- The cooler temperatures were between 0-6°C and samples were properly preserved with acid, as applicable.
- All preparation and analysis holding time requirements were met.
- Target analytes were not detected in the method blanks.
- An equipment blank and field blank were not submitted with this data set.
- LCS recoveries were within the acceptance limits.
- MS/MSD analyses were performed on sample MW-101 for boron. All criteria were met.

- Laboratory duplicate analysis was not performed on a sample in this dataset.
- Samples DUP-01/MW-101 were submitted as the field duplicate pair with this data set; all criteria were met.
- RLs were compared to the CCR Groundwater Monitoring and QAPP, DTE Electric Company Sibley Quarry Coal Ash Landfill, August 2016, Revised March 2017. The following discrepancy was noted:
  - The nondetect RL for fluoride (5.0 mg/L) was above the QAPP RL (0.5 mg/L) in sample MW-107 due to the dilution noted below.
- The RLs for TDS (20-1,000 mg/L) were greater than the QAPP RL (10 mg/L) in all samples in this data set; a lower volume was likely analyzed due to conductivity. There was no adverse impact on the data usability due to this issue since TDS was detected in all samples.
- The RLs met the project requirements and were deemed suitable for data usability.
- The following dilutions were performed on the samples in this data set; RLs were elevated accordingly by the laboratory:
  - Samples MW-101, MW-104, and DUP-01 were diluted 10-fold for chloride and sulfate;
  - Sample MW-102 was diluted 10-fold for sulfate;
  - Samples MW-103 and MW-106 were diluted 20-fold for sulfate;
  - Samples MW-105, Quarry Sump, and Quarry Discharge were diluted 50-fold for chloride and sulfate, and 5-fold for fluoride;
  - Sample MW-107 was diluted 100-fold for fluoride and sulfate, and 1,000-fold for chloride; and
  - Sample MW-108A was diluted 5-fold for fluoride and sulfate, and 20-fold for chloride.

  The dilutions were likely performed due to exceeding the calibration range in undiluted analysis and/or due to the elevated concentration of interfering analytes. With the exception of fluoride in sample MW-107 (which was nondetect for fluoride resulting in an elevated RL as noted above), the listed analytes were detected in the diluted samples and there is no adverse impact on data usability.

  The RLs met the project requirements and were deemed suitable for data usability.

Laboratory Data Quality Review
Groundwater Monitoring Event May 2025 (Verification Monitoring)
DTE Electric Company Sibley Quarry Landfill (DTE SQLF)

Groundwater samples were collected by TRC for the May 2025 sampling event. Samples were analyzed for total metals and total dissolved solids by Eurofins Cleveland, located in Barberton, Ohio. The laboratory analytical results are reported in laboratory report 240-224914-1.

During the May 2025 verification sampling event, a groundwater sample was collected from each of the following wells:

- MW-101
- MW-102

Each sample was analyzed for one or more of the following constituents:

Analyte Group	Method
Total Boron	SW846 3005A/6010D
Total Dissolved Solids	SM 2540C-2020

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:

- Chain-of-custody (COC) and data completeness;
- Sample receipt, as noted in the cover page or case narrative;
- Technical holding times for analyses;
- Reporting limits (RLs) compared to project-required RLs;
- Data for method blanks, equipment blanks, and field blanks. Method blanks are used to assess potential contamination arising from laboratory sample preparation and/or analytical procedures. Field and equipment blanks are used to assess potential contamination arising from field procedures;
- Data for laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs), when performed. The LCSs and/or LCSDs are used to assess the accuracy of the analytical method using a clean matrix;
- Percent recoveries for matrix spike (MS) and matrix spike duplicates (MSD), when performed on project samples. Percent recoveries are calculated for each analyte spiked and used to assess bias due to sample matrix effects;

- Data for laboratory duplicates, when performed on project samples. The laboratory duplicates are replicate analyses of one sample and are used to assess the precision of the analytical method;
- 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 will be utilized for the purposes of a detection monitoring program.
- Data are usable for the purposes of the detection monitoring program.
- When the data are evaluated through a detection monitoring statistical program, findings below may be used to support the removal of outliers.

QA/QC Sample Summary

- Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC.
- The cooler temperatures were between 0-6°C and samples were properly preserved with acid, as applicable.
- All preparation and analysis holding time requirements were met.
- Target analytes were not detected in the method blanks.
- An equipment blank and field blank were not submitted with this data set.
- LCS recoveries were within the acceptance limits.
- A laboratory duplicate analysis was performed on sample DUP-01 for TDS. All criteria were met.
- Samples MW-101/DUP-01 and MW-102/DUP-02 were submitted as the field duplicate pairs with this data set; all criteria were met.
- The RLs met the project requirements and were deemed suitable for data usability.
- All dilution factors were listed as 1-fold.

Laboratory Data Quality Review
Groundwater Monitoring Event October 2025 (Detection Monitoring)
DTE Electric Company Sibley Quarry Landfill (DTE SQLF)

Groundwater samples were collected by TRC for the October 2025 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 240-235823-1 (Revised 01/12/26).

During the October 2025 sampling event, a groundwater sample was collected from each of the following wells:

- MW-101
- MW-102
- MW-103
- MW-104
- MW-105
- MW-106
- MW-107
- MW-108A
- QUARRY SUMP
- QUARRY DISCHARGE

Each sample was analyzed for the following constituents:

Analyte Group	Method
Anions (Chloride, Fluoride, Sulfate)	SW846 9056A
Total Boron	SW846 3005A/6010D
Total Calcium	SW846 3005A/6020B
Total Dissolved Solids (TDS)	SM 2540C-2020

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:

- Chain-of-custody (COC) and data completeness;
- Sample receipt, as noted in the cover page or case narrative;
- Technical holding times for analyses;
- Reporting limits (RLs) compared to project-required RLs;
- Data for method blanks, equipment blanks, and field blanks. Method blanks are used to assess potential contamination arising from laboratory sample preparation and/or analytical procedures. Field and equipment blanks are used to assess potential contamination arising from field procedures;
- Data for laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs), when performed. The LCSs and/or LCSDs are used to assess the accuracy of the analytical method using a clean matrix;

- Percent recoveries for matrix spike (MS) and matrix spike duplicates (MSD), when performed on project samples. Percent recoveries are calculated for each analyte spiked and used to assess bias due to sample matrix effects;
- Data for laboratory duplicates, when performed on project samples. The laboratory duplicates are replicate analyses of one sample and are used to assess the precision of the analytical method;
- 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 an statistical program.
- Data are usable for the purposes of the statistical monitoring program.
- When the data are evaluated through an detection monitoring statistical program, findings below may be used to support the removal of outliers.

QA/QC Sample Summary

- Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC. The following issues were noted.
  - The laboratory reported boron using SW846 method 6010D and calcium using 6020B rather than 6020, as requested on the COC. There was no adverse impact on the data usability due to this issue.
- The cooler temperature was between 0-6°C and samples were properly preserved with acid, as applicable.
- All preparation and analysis holding time requirements were met.
- Target analytes were not detected in the method blanks.
- An equipment blank and field blank were not submitted with this data set.
- LCS recoveries were within the acceptance limits.
- MS/MSD analyses were performed on sample MW-101 for boron, and calcium, and sample MW-103 for anions; all criteria were met.
- A laboratory duplicate analysis was performed on sample MW-106 for TDS; all criteria were met.

- Samples DUP-01/MW-108A were submitted as the field duplicate pair with this data set; all criteria were met.
- RLs were compared to Table 1, Detection Monitoring Constituents and Analytical Program Summary, Hydrogeological Monitoring Program, DTE Electric Company Sibley Quarry Landfill, Trenton, Michigan, November 2019. The RLs met the project requirements and were deemed suitable for data usability. The following discrepancies were noted:
  - The nondetect RL for fluoride (5.0 mg/L) was above the project-specified RL (0.5 mg/L) in sample MW-107 due to the dilution noted below.
- The following dilutions were performed on the samples in this data set; RLs were elevated accordingly by the laboratory:
  - Samples MW-101 and MW-104 were diluted 10-fold for chloride and sulfate;
  - Samples MW-102, MW-103, MW-106 were diluted 10-fold for sulfate;
  - Samples MW-105, QUARRY SUMP, and QUARRY DISCHARGE were diluted 50-fold for chloride and sulfate, and 5-fold for fluoride;
  - Sample MW-107 was diluted 100-fold for chloride, fluoride, and sulfate, and 5-fold for calcium;
  - Sample MW-108A was diluted 20-fold for chloride, and 5-fold for fluoride and sulfate; and
  - Sample DUP-01 was diluted 50-fold for chloride, and 5-fold for fluoride and sulfate.

  These dilutions were likely performed due to concentrations of target analytes that exceeded the calibration range in the undiluted analysis and/or due to elevated concentrations of interfering analytes. With the exception of fluoride in sample MW-107 (which was nondetect for fluoride resulting in an elevated RL as noted above), the listed analytes were detected in the diluted samples and thus, there is no adverse impact on data usability.