2025 Annual Groundwater Monitoring Report

Belle River Power Plant Bottom Ash Basins
4505 King Road
China Township, Michigan

January 2026

Prepared For:

DTE Electric Company

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Executive Summary

On April 17, 2015, the United States Environmental Protection Agency (USEPA) published the final rule for the regulation and management of Coal Combustion Residuals (CCR) under the Resource Conservation and Recovery Act (RCRA) (the CCR Rule), as amended. The CCR Rule, which became effective on October 19, 2015, applies to the DTE Electric Company (DTE Electric) Belle River Power Plant (BRPP) Bottom Ash Basins (BABs) 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 BRPP BABs CCR unit.

The BRPP BABs CCR unit 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 March 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 have been collected and evaluated under §257.90 through §257.98 in 2025 are presented in this report.

No initial SSIs over prediction limits were recorded for Appendix III constituents in the monitoring wells during the March and October 2025 monitoring events. Potential SSIs for calcium were detected in two monitoring wells, MW-16-02 and MW-16-03 during the October 2025 monitoring event. These potential SSIs were not statistically significant, as verification resampling did not confirm the exceedance. Therefore, detection monitoring will continue at the BRPP BABs CCR unit in accordance with §257.94.

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) Belle River Power Plant (BRPP) Bottom Ash Basins (BABs) 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 BRPP BABs CCR unit (2025 Annual Report).

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 March and October 2025 semiannual groundwater monitoring events for the BRPP BABs 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 Belle River Power Plant Bottom Ash Basins and Diversion Basin* (QAPP) (TRC, July 2016; revised August 2017) and statistically evaluated per the 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 BRPP is located in Section 13, Township 4 North, Range 16 East, at 4505 King Road, China Township in St. Clair County, Michigan (Figure 1). The BRPP was constructed in the early 1980s with plant operations beginning in 1984. Prior to Detroit Edison Company's operations commencing in the 1980s, the BRPP property was generally wooded and farmland. The property has been used continuously as a coal fired power plant since Detroit Edison Company (now DTE Electric) began power plant operations at BRPP in 1984 and is generally constructed over a natural clay-rich soil base. The BABs, which were retrofitted with a liner system in 2023, have been in use by the BRPP since it began operation to collect CCR bottom ash that is periodically cleaned out and either sold for beneficial reuse or disposed of at the Range Road Landfill (RRLF).

1.3 Geology/Hydrogeology

The BRPP BABs CCR unit is located approximately one mile west of the St. Clair River. The BRPP BABs CCR unit is underlain by more than 100 feet of glacially deposited unconsolidated sediments, with the lower confining Bedford Shale generally encountered from 140 to 150 feet below ground surface (bgs). In general, the BRPP BABs CCR unit is initially underlain by at least 90 to as much as 130 feet of laterally extensive low hydraulic conductivity silty clay-rich deposits (TRC, 2017 and Geosyntec, 2023). The depth to the top of the confined sand-rich

uppermost aquifer encountered immediately beneath the silty clay-rich deposits varies up to 50 feet within the monitoring well network and rapidly thins to the south and east of the BABs and pinches out (i.e., no longer present) to the southeast in the vicinity of SB-16-01 (Figure 2). Consequently, the uppermost aquifer is not laterally contiguous across the entire BRPP BABs CCR unit, and not present beneath the southeastern corner of the BABs.

The variability in the depth to the uppermost aquifer is a consequence of the heterogeneity of the glacial deposits and is driven by the lateral discontinuity of the sand outwash within the encapsulating fine-grained, silty clay till that confines the uppermost aquifer. There is an apparent lack of interconnection and/or significant vertical variation between the uppermost aquifer sand unit(s) encountered across the BRPP BABs CCR unit as demonstrated by the extensive amount of time (months) it took for water levels in monitoring well MW-16-02 to reach equilibrium after well construction and development (TRC, 2017).

Given the horizontally expansive clay with substantial vertical thickness that isolates the uppermost aquifer from the BRPP BABs CCR unit, the heterogeneity of the glacial deposits (with the top of the uppermost aquifer elevation across the BABs, where present varying up to 46 feet vertically), the no flow boundary where no sand or gravel is present in the southeastern portion of the BABs CCR unit area, and the apparent lack of hydraulic interconnectedness of the uppermost aquifer encountered at the BABs in some areas, it is not appropriate to infer horizontal flow direction or gradients across the footprint of the BRPP BABs CCR unit.

2.0 Groundwater Monitoring

2.1 Monitoring Well Network

A groundwater monitoring system has been established for the BRPP BABs CCR unit as detailed in the Groundwater Monitoring System Summary Report – DTE Electric Company Belle River Power Plant Bottom Ash Basins and Diversion Basin Coal Combustion Residual Units (GWMS Report) (TRC, October 2017). The detection monitoring well network for the BABs CCR unit currently consists of five monitoring wells that are screened in the uppermost aquifer. Monitoring wells MW-16-01 through MW-16-04 and MW-16-09 are located around the north, east and south perimeter of the BABs and provide data on both background and downgradient groundwater quality that has not been affected by the CCR unit (total of five background/downgradient monitoring wells). The monitoring well locations are shown on Figure 2.

2.2 Semiannual Groundwater Monitoring

The semiannual monitoring parameters for the detection 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 detection monitoring event for 2025 was performed on March 31, 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 five monitoring well locations. Groundwater samples were collected from the five detection monitoring wells for the Appendix III indicator parameters and field parameters. A summary of the groundwater data collected during the March 2025 event is provided on Table 1 (static groundwater elevation data), Table 2 (field data), and Table 3 (analytical results).

The second semiannual detection monitoring event for 2025 was performed on October 21, 2025 by TRC personnel and samples were analyzed by Eurofins in accordance with the QAPP. Static water elevation data were collected at all five monitoring well locations. Groundwater samples were collected from the five 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 for each detection monitoring event are included in Appendix A. The field notes are included in Appendix B.

2.2.2 Data Quality Review

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

2.2.3 Groundwater Flow Rate and Direction

As presented in the GWMS Report, and mentioned above, given the horizontally expansive clay with substantial vertical thickness that isolates the uppermost aquifer from the BRPP BABs CCR unit; the heterogeneity of the glacial deposits (with the top of the uppermost aquifer elevation across the BABs; where present, varying up to 46 feet vertically); the no flow boundary where no sand or gravel is present in the southeastern portion of the BRPP BABs CCR unit area; and the apparent lack of hydraulic interconnectedness of the uppermost aquifer encountered at the BABs in some areas, it is not appropriate to infer horizontal flow direction or gradients across the site. Groundwater elevations measured during the March 2025 sampling event are provided on Table 1 and are summarized in plan view on Figure 3. Groundwater elevations measured during the October 2025 sampling event are provided on Table 1 and are summarized in plan view on Figure 4.

Groundwater elevation data collected during the 2025 sampling events show that groundwater conditions within the uppermost aquifer are consistent with previous monitoring events and continue to demonstrate that the monitoring wells are appropriately positioned to detect the presence of Appendix III parameters that could potentially migrate from the BRPP BABs CCR unit.

3.0 Statistical Evaluation

3.1 Establishing Background Limits

As discussed in the Stats Plan, intrawell statistical methods for the BABs CCR unit were selected based on the geology and hydrogeology at the site (primarily the presence of clay/hydraulic barrier, the variability in the presence of the uppermost aquifer across the site, lack of consistent groundwater flow direction and presence of no flow boundary on the southeast side of the aquifer), in addition to other supporting lines of evidence that the aquifer is unaffected by the CCR unit that have been further demonstrated in the Alternative Liner Demonstration (ALD) (Geosyntec, 2023) and Aquifer Characterization Study (TRC, 2023). An intrawell statistical approach requires that each downgradient well doubles as a background and compliance well, where data from each individual well during a detection monitoring event is compared to a statistical limit developed using the background dataset from that same well.

Per the Stats Plan, background limits were established for the Appendix III indicator parameters following the collection of at least eight background monitoring events using data collected from each of the five established detection monitoring wells (MW-16-01 through MW-16-04 and MW-16-09). 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 BRPP BABs 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 BRPP BAB 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, Belle River Power Plant Bottom Ash Basin* (included as Appendix C in the *2021 Annual Groundwater Monitoring Report – DTE Electric Company, Belle River Power Plant Bottom Ash Basins Coal Combustion Residual Unit*, TRC, January 2022).

3.2 Data Comparison to Background Limits – First Semiannual Event (March 2025)

The concentrations of the indicator parameters in each of the detection monitoring wells (MW-16-01 through MW-16-04 and MW-16-09) were compared to their respective statistical background limits calculated from the background data collected from each individual well (i.e., monitoring data from MW-16-01 is compared to the background limit developed using the background dataset from MW-16-01, and so forth).

The statistical evaluation of the March 2025 Appendix III indicator parameters shows no potential initial SSIs compared to background for any of the constituents. The sulfate concentrations at MW-16-01 and MW-16-04 have been previously demonstrated to be from

natural variability and are not from a release at the BRPP BAB CCR unit as presented in the still applicable August 2019 and August 2021 Alternative Source Demonstrations (ASDs) that were included in the 2019 and 2021 Annual Reports, respectively. Therefore, no verification resampling was performed. The comparisons of indicator parameters for the March 2025 monitoring event data to background limits are presented on Table 3.

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

The concentrations of the indicator parameters in each of the detection monitoring wells (MW-16-01 through MW-16-04 and MW-16-09) were compared to their respective statistical background limits calculated from the background data collected from each individual well (i.e., monitoring data from MW-16-01 is compared to the background limit developed using the background dataset from MW-16-01, and so forth).

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

- Calcium at MW-16-02 and MW-16-03.

The initial observation of a constituent concentration above the established background limits does not constitute a SSI. Per the Stats Plan, if there is an initial exceedance of a prediction limit for one or more of the constituents that have not been attributed to an alternate source, the well(s) of concern can be resampled within 30 days of the completion of the initial statistical analysis for verification purposes. Therefore, verification resampling was performed at MW-16-02 and MW-16-03 for calcium as described in Section 3.4. There were no exceedances compared to background for boron, chloride, fluoride, pH, sulfate, or TDS. Comparisons of indicator parameters for the October 2025 to background limits are presented on Table 4.

3.4 Verification Resampling for the Second Semiannual Event

Verification resampling is recommended per the Stats Plan and the Unified Guidance to achieve performance standards as specified by §257.93(g) in the CCR Rule. Per the Stats Plan, if there is an exceedance of a prediction limit for one or more of the parameters, the well(s) of concern will be resampled within 30 days of the completion of the initial statistical analysis. Constituents that initially exceed their statistical limit (i.e., have no previously recorded SSIs) will be analyzed for verification purposes. As such, verification resampling for the October 2025 event was conducted on November 18, 2025, by TRC personnel. Groundwater samples were collected for calcium at MW-16-02 and MW-16-03 in accordance with the QAPP. A summary of the analytical results collected during the resampling event is provided on Table 4. The associated data quality review is included in Appendix C.

The November 2025 verification sampling did not confirm the SSIs for calcium at monitoring wells MW-16-02 and MW-16-03. Therefore, in accordance with the Stats Plan and the Unified Guidance, the initial calcium exceedances are not statistically significant, and no SSIs were recorded at MW-16-02 or MW-16-03 during the October 2025 sampling event. As such, DTE Electric will continue detection monitoring at the BRPP BAB CCR Unit in 2026 pursuant to §257.94 of the CCR Rule.

4.0 Conclusions and Recommendations

No SSIs over background limits were observed during the March and October 2025 monitoring events. Therefore, detection monitoring will be continued at the BRPP BABs CCR unit in accordance with §257.94.

As discussed above and in the GWMS Report as well as the ALD and Aquifer Characterization Study, with the laterally contiguous clay with substantial vertical thickness that isolates the uppermost aquifer from the BRPP BABs CCR unit along with the recent BAB retrofit construction activities in which a composite liner system was installed in each BAB, there is no reasonable probability for the uppermost aquifer to be affected by CCR from BRPP operations.

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

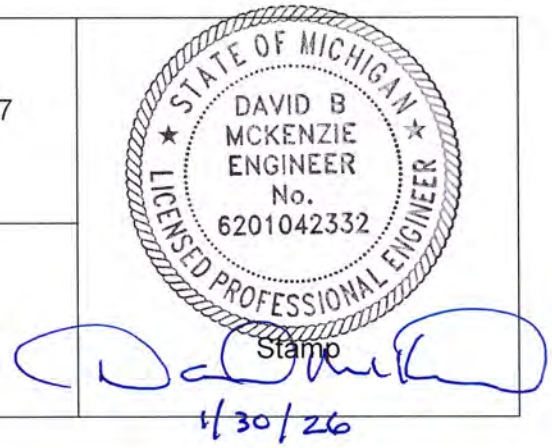
5.0 Groundwater Monitoring Report Certification

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
Belle River Power Plant Bottom Ash Basins
China Township, Michigan

CERTIFICATION

I hereby certify that the annual groundwater monitoring and corrective action report presented within this document for the BRPP BABs 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
Company: TRC Engineers Michigan, Inc.	Date: January 30, 2026	1/30/26

6.0 References

Geosyntec. April 2023. Alternative Liner Demonstration, Bottom Ash Basins, Belle River Power Plant, East China Township, Michigan. Prepared for DTE Electric Company.

TRC. July 2016; Revised March and August 2017. CCR Groundwater Monitoring and Quality Assurance Project Plan – DTE Electric Company Belle River Power Plant Bottom Ash Basins and Diversion Basin, 4505 King Road, China Township, Michigan. Prepared for DTE Electric Company.

TRC. October 2017. Groundwater Monitoring System Summary Report – DTE Electric Company Belle River Power Plant Bottom Ash Basins and Diversion Basin Coal Combustion Residual Units, 4505 King Road, China Township, Michigan. Prepared for DTE Electric Company.

TRC. October 2017. Groundwater Statistical Evaluation Plan – DTE Electric Company Belle River Power Plant Coal Combustion Residual Bottom Ash Basins, 4505 King Road, China Township, Michigan. Prepared for DTE Electric Company.

TRC. August 8, 2019. Alternate Source Demonstration: 2019 First Semiannual Detection Monitoring Sampling Event. Belle River Power Plant Bottom Ash Basins, 4505 King Road, China Township, Michigan. Prepared for DTE Electric Company.

TRC. August 16, 2021. Alternate Source Demonstration: 2021 First Semiannual Detection Monitoring Sampling Event. Belle River Power Plant Bottom Ash Basins, 4505 King Road, China Township, Michigan. Prepared for DTE Electric Company.

TRC. January 2023. 2022 Annual Groundwater Monitoring Report – DTE Electric Company Belle River Power Plant Bottom Ash Basins, 4505 King Road, China Township, Michigan. Prepared for DTE Electric Company.

TRC. April 2023. Additional Uppermost Aquifer Characterization Study, Belle River Power Plant Bottom Ash Basins CCR Unit, 4505 King Road, China Township, Michigan. 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
Groundwater Elevation Summary – 2025
Belle River Power Plant Bottom Ash Basins
China Township, Michigan

Well ID	MW-16-01		MW-16-02		MW-16-03		MW-16-04		MW-16-09	
Date Installed	3/17/2016		3/15/2016		6/1/2016		3/8/2016		6/2/2016	
TOC Elevation	590.06		588.94		590.66		590.51		590.80	
Geologic Unit of Screened Interval	Sand		Sand		Silty Sand		Sand		Sand	
Screened Interval Elevation	496.3 to 491.3		494.3 to 489.3		456.0 to 451.0		468.5 to 463.5		452.3 to 447.3	
Unit	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
03/31/2025	15.35	574.71	12.84	576.10	15.67	574.99	16.60	573.91	15.78	575.02
10/21/2025	15.52	574.54	13.04	575.90	15.60	575.06	15.63	574.88	15.90	574.90

Notes:

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

ft BTOC - feet Below top of casing.

Table 2
Summary of Groundwater Field Parameters – 2025
Belle River Power Plant BABs
China Township, Michigan

Sample Location	Sample Date	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH (SU)	Specific Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)
MW-16-01	3/31/2025	1.40	-232.0	7.9	1,510	10.5	4.90
	10/21/2025	0.46	-69.4	7.5	1,052	11.7	1.29
MW-16-02	3/31/2025	1.49	-217.0	7.6	1,190	10.2	3.80
	10/21/2025	0.51	-59.1	7.4	834	12.2	1.33
	11/18/2025(1)	0.52	-57.2	7.2	861	11.0	4.01
MW-16-03	3/31/2025	1.67	-207.0	7.8	1,731	9.80	4.00
	10/21/2025	0.36	-83.0	7.6	1,216	12.4	1.27
	11/18/2025(1)	0.57	-83.2	7.5	1,250	8.50	3.23
MW-16-04	3/31/2025	1.49	-240.0	7.9	1,561	10.5	9.00
	10/21/2025	0.29	-194.3	7.8	1,089	13.0	5.69
MW-16-09	3/31/2025	1.53	-237.0	8.4	2,438	9.70	100
	10/21/2025	0.44	-109.1	7.7	1,670	13.1	36.3

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 completed on 11/18/2025.

Table 3
Comparison of Detection Monitoring Parameter Results to Background Limits – March 2025
Belle River Power Plant BABs
China Township, Michigan

Sample Location:		MW-16-01		MW-16-02		MW-16-03		MW-16-04		MW-16-09	
Sample Date:		3/31/2025	PL	3/31/2025	PL	3/31/2025	PL	3/31/2025	PL	3/31/2025	PL
Constituent	Unit	Data		Data		Data		Data		Data	
Appendix III											
Boron	ug/L	1,100	1,300	1,200	1,300	1,100	1,200	1,000	1,200	1,500	1,900
Calcium	ug/L	44,000	44,000	54,000	58,000	33,000	35,000	45,000	60,000	35,000	42,000
Chloride	mg/L	410	510	330	390	540	800	440	520	790	1,100
Fluoride	mg/L	1.5	1.9	1.2	1.3	1.7	1.9	1.6	1.8	1.3	1.7
pH, Field	su	7.9	7.0 - 8.1	7.6	7.0 - 8.0	7.8	7.5 - 8.2	7.9	7.6 - 8.2	8.4	7.7 - 8.6
Sulfate	mg/L	**40**[(1)]	14	13	15	< 1	5.9	**42**[(2)]	36	27	37
Total Dissolved Solids	mg/L	910	970	720	910	980	1,100	920	1,100	1,500	2,000

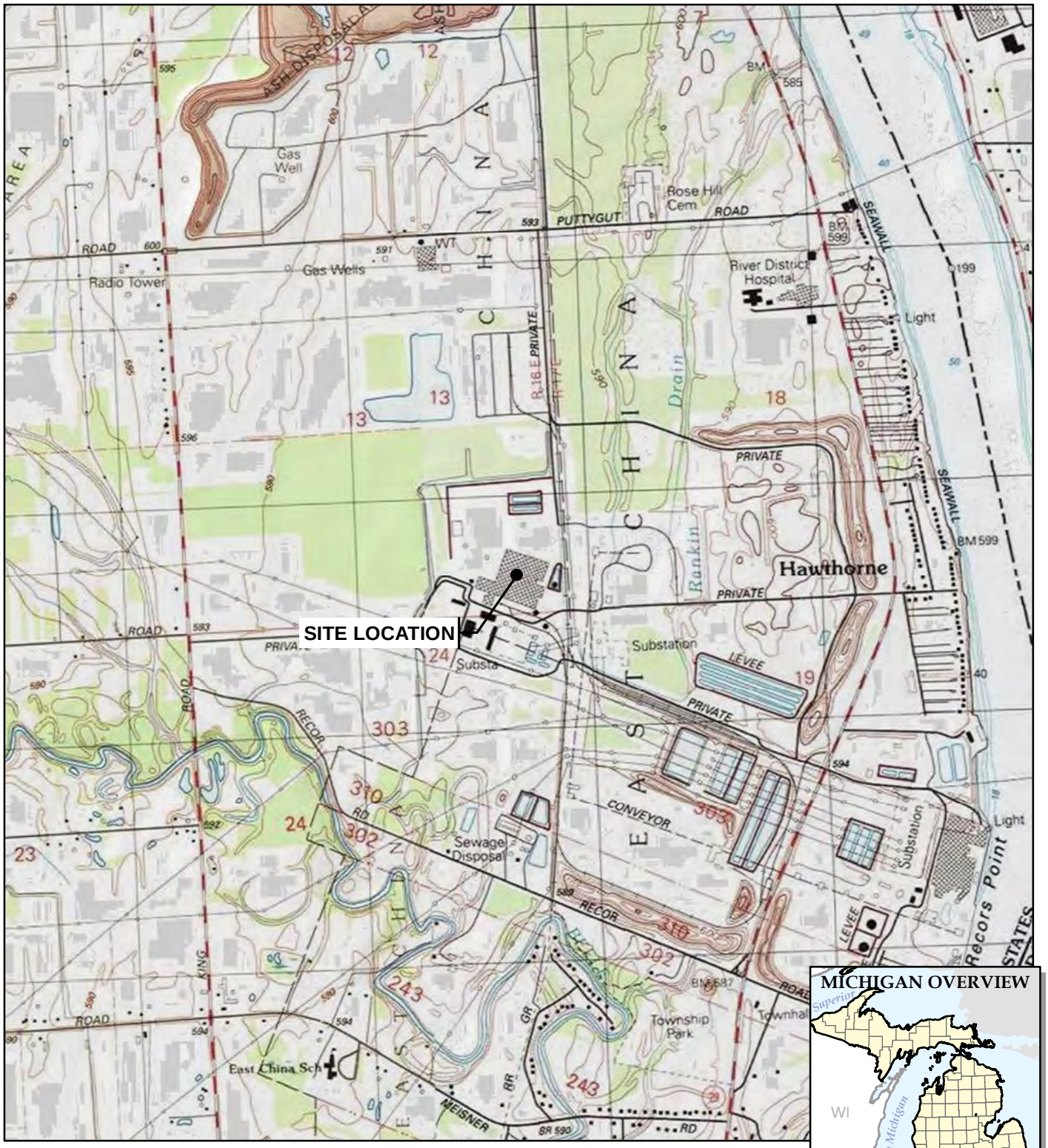
Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
All metals were analyzed as total unless otherwise specified.
Bold font indicates an exceedance of the Prediction Limit (PL).
(1) - Exceedance determined to be from an alternate source in the still applicable, First semiannual 2021 alternate source demonstration dated 8/16/2021.
(2) - Exceedance determined to be from an alternate source in the still applicable, First semiannual 2019 alternate source demonstration dated 8/8/2019.

Table 4
Comparison of Detection Monitoring Parameter Results to Background Limits – October 2025
Belle River Power Plant BABs
China Township, Michigan

Sample Location:		MW-16-01		MW-16-02			MW-16-03			MW-16-04		MW-16-09	
Sample Date:		10/21/2025	PL	10/21/2025	11/18/2025(1)	PL	10/21/2025	11/18/2025(1)	PL	10/21/2025	PL	10/21/2025	PL
Constituent	Unit	Data		Data			Data			Data		Data	
Appendix III													
Boron	ug/L	1,000	1,300	1,200	--	1,300	1,100	--	1,200	1,100	1,200	1,500	1,900
Calcium	ug/L	44,000	44,000	**59,000**	58,000	58,000	**36,000**	34,000	35,000	47,000	60,000	41,000	42,000
Chloride	mg/L	420	510	350	--	390	560	--	800	470	520	840	1,100
Fluoride	mg/L	1.7	1.9	1.2	--	1.3	1.8	--	1.9	1.7	1.8	1.4	1.7
pH, Field	su	7.5	7.0 - 8.1	7.4	--	7.0 - 8.0	7.6	--	7.5 - 8.2	7.8	7.6 - 8.2	7.7	7.7 - 8.6
Sulfate	mg/L	14	14	10	--	15	1.1	--	5.9	9.5	36	23	37
Total Dissolved Solids	mg/L	870	970	750	--	910	1,000	--	1,100	980	1,100	1,500	2,000

Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.
SU - standard units; pH is a field parameter.
All metals were analyzed as total unless otherwise specified.
Bold font indicates an exceedance of the Prediction Limit (PL).
(1) - Results shown for verification samples collected on 11/18/2025.

Figures



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

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

0 2,000 4,000 FEET

TRC

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TRC - GIS

PROJECT:

DTE ELECTRIC COMPANY
BELLE RIVER POWER PLANT
4505 KING ROAD
CHINA TOWNSHIP, MICHIGAN

TITLE:

SITE LOCATION MAP

DRAWN BY:	A. FOJTIK
CHECKED BY:	J. KRENZ
APPROVED BY:	V. BUENING
DATE:	JANUARY 2026
PROJ. NO.:	620070.0000
FILE:	620070-0000_001.mxd

FIGURE 1

E:\Projects\DTE\CCR_Sites\2025_620070\MXD\620070-0000_001.mxd -- Saved By: AFOJTIK on 11/20/2025, 16:15:41 PM

LEGEND

- SOIL BORING
- MONITORING WELL
- DECOMMISSIONED MONITORING WELL

NOTES

1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, (05/2024).
2. WELL LOCATIONS SURVEYED IN MARCH, APRIL, JUNE 2016, AND JUNE 2017 BY BMJ ENGINEERS & SURVEYORS, INC.

N

0 200 Feet

1 " = 200 '

1:2,400

PROJECT:	DTE ELECTRIC COMPANY BELLE RIVER POWER PLANT 4505 KING ROAD CHINA TOWNSHIP, MICHIGAN
TITLE:	SITE PLAN
DRAWN BY: A. FOJTIK	PROJ NO.: 620070.0000
CHECKED BY: J. KRENZ	
APPROVED BY: V. BUENING	FIGURE 2
DATE: JANUARY 2026	

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FILE NO.: 620070-0000_002.mxd

Plot Date: 11/20/2025, 16:14:45 PM by AFOJTIK -- LAYOUT: ANSI B (11"x17")
Path: E:\Projects\DTE\CCR_Sites\2025_620070\MXD\620070-0000_002.mxd
Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl (Foot)
Map Rotation: 0

TRC - GIS

Monitoring Well Screen Information			
Monitoring Well ID	Screen Interval Lithology	Screen Interval Depth (ft BGS)	Screen Interval Elevation (ft NAVD 88)
MW-16-01	Sand	92.0 - 97.0	496.3 - 491.3
MW-16-02	Sand	92.0 - 97.0	494.3 - 489.3
MW-16-03	Silty Sand to Sand	132.0 - 137.0	456.0 - 451.0
MW-16-04	Sand	119.0 - 124.0	468.5 - 463.5
MW-16-09	Sand	136.0 - 141.0	452.3 - 447.3

LEGEND

- SOIL BORING
- MONITORING WELL
- DECOMMISSIONED MONITORING WELL

MW ID
GROUNDWATER ELEVATION (DATE)

FT BGS
FEET BELOW GROUND SURFACE
FT NAVD 88
ELEVATION RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988

NOTES

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO, (3/29/2022).
2. WELL LOCATIONS SURVEYED IN MARCH, APRIL AND JUNE 2016 AND JUNE 2017 BY BMJ ENGINEERS & SURVEYORS, INC.
3. NO SAND OR GRAVEL UNIT PRESENT ABOVE BEDROCK IN THIS LOCATION.

N

0 200 400 Feet

1 " = 200 '
1:2,400

PROJECT:
DTE ELECTRIC COMPANY
BELLE RIVER POWER PLANT BOTTOM ASH BASIN
4505 KING ROAD
CHINA TOWNSHIP, MICHIGAN

TITLE:
BOTTOM ASH BASINS GROUNDWATER POTENTIOMETRIC ELEVATION SUMMARY MARCH 2025

DRAWN BY:	A. FOJTIK	PROJ NO.:	620070.0000
CHECKED BY:	A. WHALEY		**FIGURE 3**
APPROVED BY:	V. BUENING		
DATE:	MAY 2025		

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

FILE NO.: 620070-0000_003d.mxd

TRC - GIS
Plot Date: 5/15/2025, 17:28:36 PM by AFOJTIK -- LAYOUT: ANSI B(11"x17")
Path: E:\Projects\DTE\CCR_Sites\2025_620070\MXD\620070-0000_003d.mxd
Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl (Foot)
Map Rotation: 0

Monitoring Well Screen Information			
Monitoring Well ID	Screen Interval Lithology	Screen Interval Depth (ft BGS)	Screen Interval Elevation (ft NAVD 88)
MW-16-01	Sand	92.0 - 97.0	496.3 - 491.3
MW-16-02	Sand	92.0 - 97.0	494.3 - 489.3
MW-16-03	Silty Sand to Sand	132.0 - 137.0	456.0 - 451.0
MW-16-04	Sand	119.0 - 124.0	468.5 - 463.5
MW-16-09	Sand	136.0 - 141.0	452.3 - 447.3

LEGEND

- SOIL BORING
- MONITORING WELL
- DECOMMISSIONED MONITORING WELL

MW ID
GROUNDWATER ELEVATION (DATE)

FT BGS
FEET BELOW GROUND SURFACE
FT NAVD 88
ELEVATION RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988

NOTES

1. BASE MAP IMAGERY FROM ESRI, (05/2024).
2. WELL LOCATIONS SURVEYED IN MARCH, APRIL AND JUNE 2016 AND JUNE 2017 BY BMJ ENGINEERS & SURVEYORS, INC.
3. NO SAND OR GRAVEL UNIT PRESENT ABOVE BEDROCK IN THIS LOCATION.

N

0 200 400 Feet

1 " = 200 '
1:2,400

PROJECT:
DTE ELECTRIC COMPANY
BELLE RIVER POWER PLANT BOTTOM ASH BASIN
4505 KING ROAD
CHINA TOWNSHIP, MICHIGAN

TITLE:
BOTTOM ASH BASINS
GROUNDWATER POTENTIOMETRIC
ELEVATION SUMMARY OCTOBER 2025

DRAWN BY:	A. FOJTIK	PROJ NO.:	620070.0000
CHECKED BY:	A. WHALEY		FIGURE 4
APPROVED BY:	V. BUENING		
DATE:	JANUARY 2026		

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

FILE NO.: 620070-0000_003d.mxd

TRC - GIS
Plot Date: 11/20/2025, 16:21:34 PM by AFOJTIK -- LAYOUT: ANSI B (11"x17")
Path: E:\Projects\DTE\CCR_Sites\2025_620070\MXD\620070-0000_003d.mxd
Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl (Foot)
Map Rotation: 0

Appendix A
Laboratory Analytical Data

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/15/2025 1:43:57 PM

JOB DESCRIPTION

CCR DTE Belle River Bottom Ash Basins

JOB NUMBER

240-221548-1

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
4/15/2025 1:43:57 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: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

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: 240-221548-1 Eurofins Cleveland

Job Narrative
240-221548-1

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 4/3/2025 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 2.1°C and 2.3°C.

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

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

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

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: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-221548-1	MW-16-01	Water	03/31/25 11:17	04/03/25 08:00
240-221548-2	MW-16-02	Water	03/31/25 11:54	04/03/25 08:00
240-221548-3	DUP-01	Water	03/31/25 00:00	04/03/25 08:00
240-221548-4	MW-16-03	Water	03/31/25 12:46	04/03/25 08:00
240-221548-5	MW-16-04	Water	03/31/25 13:47	04/03/25 08:00
240-221548-6	MW-16-09	Water	03/31/25 14:52	04/03/25 08:00

Detection Summary

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-01 — Lab Sample ID: 240-221548-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	44000		1000		ug/L	1		6020B	Total Recoverable
Iron	340		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	910		20		mg/L	1		2540 C-2020	Total/NA
Chloride	410		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.5		0.050		mg/L	1		9056A	Total/NA
Sulfate	40		1.0		mg/L	1		9056A	Total/NA

Client Sample ID: MW-16-02 — Lab Sample ID: 240-221548-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1200		100		ug/L	1		6010D	Total Recoverable
Calcium	54000		1000		ug/L	1		6020B	Total Recoverable
Iron	620		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	720		10		mg/L	1		2540 C-2020	Total/NA
Chloride	330		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.2		0.050		mg/L	1		9056A	Total/NA
Sulfate	13		1.0		mg/L	1		9056A	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 240-221548-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	33000		1000		ug/L	1		6020B	Total Recoverable
Iron	640		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	980		20		mg/L	1		2540 C-2020	Total/NA
Chloride	530		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA

Client Sample ID: MW-16-03 — Lab Sample ID: 240-221548-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	33000		1000		ug/L	1		6020B	Total Recoverable
Iron	640		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	980		20		mg/L	1		2540 C-2020	Total/NA
Chloride	540		10		mg/L	10		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA

Client Sample ID: MW-16-04 — Lab Sample ID: 240-221548-5

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

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16-04 (Continued) — Lab Sample ID: 240-221548-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Calcium	45000		1000		ug/L	1		6020B	Total Recoverable
Iron	840		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	920		20		mg/L	1		2540 C-2020	Total/NA
Chloride	440		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.6		0.050		mg/L	1		9056A	Total/NA
Sulfate	42		1.0		mg/L	1		9056A	Total/NA

Client Sample ID: MW-16-09 — Lab Sample ID: 240-221548-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1500		100		ug/L	1		6010D	Total Recoverable
Boron	1500		100		ug/L	1		6010D	Dissolved
Calcium	35000		1000		ug/L	1		6020B	Total Recoverable
Iron	2900		100		ug/L	1		6020B	Total Recoverable
Calcium	28000		1000		ug/L	1		6020B	Dissolved
Iron	280		100		ug/L	1		6020B	Dissolved
Total Dissolved Solids	1500		20		mg/L	1		2540 C-2020	Total/NA
Chloride	790		10		mg/L	10		9056A	Total/NA
Fluoride	1.3		0.050		mg/L	1		9056A	Total/NA
Sulfate	27		1.0		mg/L	1		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-01
Lab Sample ID: 240-221548-1
Date Collected: 03/31/25 11:17
Matrix: Water
Date Received: 04/03/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		04/04/25 14:00	04/08/25 01:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	44000		1000		ug/L		04/04/25 14:00	04/07/25 11:53	1
Iron	340		100		ug/L		04/04/25 14:00	04/07/25 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	910		20		mg/L			04/05/25 13:43	1
Chloride (SW846 9056A)	410		5.0		mg/L			04/07/25 22:52	5
Fluoride (SW846 9056A)	1.5		0.050		mg/L			04/07/25 22:43	1
Sulfate (SW846 9056A)	40		1.0		mg/L			04/07/25 22:43	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-02 Lab Sample ID: 240-221548-2

Date Collected: 03/31/25 11:54 **Matrix: Water**
Date Received: 04/03/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1200		100		ug/L		04/04/25 14:00	04/08/25 01:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	54000		1000		ug/L		04/04/25 14:00	04/07/25 12:05	1
Iron	620		100		ug/L		04/04/25 14:00	04/07/25 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	720		10		mg/L			04/05/25 13:43	1
Chloride (SW846 9056A)	330		5.0		mg/L			04/07/25 23:10	5
Fluoride (SW846 9056A)	1.2		0.050		mg/L			04/07/25 23:01	1
Sulfate (SW846 9056A)	13		1.0		mg/L			04/07/25 23:01	1

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: DUP-01
Lab Sample ID: 240-221548-3
Date Collected: 03/31/25 00:00
Matrix: Water
Date Received: 04/03/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		04/04/25 14:00	04/08/25 01:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	33000		1000		ug/L		04/04/25 14:00	04/07/25 12:07	1
Iron	640		100		ug/L		04/04/25 14:00	04/07/25 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	980		20		mg/L			04/05/25 13:43	1
Chloride (SW846 9056A)	530		5.0		mg/L			04/07/25 23:29	5
Fluoride (SW846 9056A)	1.7		0.050		mg/L			04/07/25 23:19	1
Sulfate (SW846 9056A)	1.0	U	1.0		mg/L			04/07/25 23:19	1

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-03
Lab Sample ID: 240-221548-4
Date Collected: 03/31/25 12:46
Matrix: Water
Date Received: 04/03/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		04/04/25 14:00	04/08/25 01:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	33000		1000		ug/L		04/04/25 14:00	04/07/25 12:10	1
Iron	640		100		ug/L		04/04/25 14:00	04/07/25 12:10	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	980		20		mg/L			04/05/25 13:43	1
Chloride (SW846 9056A)	540		10		mg/L			04/07/25 23:47	10
Fluoride (SW846 9056A)	1.7		0.050		mg/L			04/07/25 23:38	1
Sulfate (SW846 9056A)	1.0	U	1.0		mg/L			04/07/25 23:38	1

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-04
Lab Sample ID: 240-221548-5
Date Collected: 03/31/25 13:47
Matrix: Water
Date Received: 04/03/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1000		100		ug/L		04/04/25 14:00	04/08/25 01:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	45000		1000		ug/L		04/04/25 14:00	04/07/25 12:12	1
Iron	840		100		ug/L		04/04/25 14:00	04/07/25 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	920		20		mg/L			04/05/25 13:43	1
Chloride (SW846 9056A)	440		5.0		mg/L			04/08/25 00:51	5
Fluoride (SW846 9056A)	1.6		0.050		mg/L			04/08/25 00:42	1
Sulfate (SW846 9056A)	42		1.0		mg/L			04/08/25 00:42	1

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-09
Lab Sample ID: 240-221548-6

Date Collected: 03/31/25 14:52
Matrix: Water
Date Received: 04/03/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1500		100		ug/L		04/10/25 14:00	04/11/25 16:04	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1500		100		ug/L		04/04/25 14:00	04/08/25 01:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	35000		1000		ug/L		04/10/25 14:00	04/14/25 18:02	1
Iron	2900		100		ug/L		04/10/25 14:00	04/14/25 18:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	28000		1000		ug/L		04/04/25 14:00	04/07/25 12:15	1
Iron	280		100		ug/L		04/04/25 14:00	04/07/25 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1500		20		mg/L			04/05/25 13:43	1
Chloride (SW846 9056A)	790		10		mg/L			04/08/25 01:09	10
Fluoride (SW846 9056A)	1.3		0.050		mg/L			04/08/25 01:00	1
Sulfate (SW846 9056A)	27		1.0		mg/L			04/08/25 01:00	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-650919/1-A
Matrix: Water
Analysis Batch: 651202

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 650919

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		04/04/25 14:00	04/07/25 10:36	1

Lab Sample ID: LCS 240-650919/2-A
Matrix: Water
Analysis Batch: 651202

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 650919

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1040		ug/L		104	80 - 120		

Lab Sample ID: 240-221548-1 MS
Matrix: Water
Analysis Batch: 651202

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 650919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	1100		1000	1880		ug/L		78	75 - 125		

Lab Sample ID: 240-221548-1 MSD
Matrix: Water
Analysis Batch: 651202

Client Sample ID: MW-16-01
Prep Type: Total Recoverable
Prep Batch: 650919

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1100		1000	1980		ug/L		88	75 - 125	5	20

Lab Sample ID: MB 240-651641/1-A
Matrix: Water
Analysis Batch: 651935

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 651641

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		04/10/25 14:00	04/11/25 14:47	1

Lab Sample ID: LCS 240-651641/2-A
Matrix: Water
Analysis Batch: 651935

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 651641

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1000	1050		ug/L		105	80 - 120		

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-650919/1-A
Matrix: Water
Analysis Batch: 651159

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 650919

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		04/04/25 14:00	04/07/25 11:13	1
Iron	100	U	100		ug/L		04/04/25 14:00	04/07/25 11:13	1

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

Lab Sample ID: LCS 240-650919/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 651159
Prep Batch: 650919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	25000	23900		ug/L		95	80 - 120
Iron	5000	4790		ug/L		96	80 - 120

Lab Sample ID: 240-221548-1 MS
Client Sample ID: MW-16-01
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 651159
Prep Batch: 650919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	44000		25000	64000		ug/L		81	80 - 120
Iron	340		5000	4810		ug/L		90	80 - 120

Lab Sample ID: 240-221548-1 MSD
Client Sample ID: MW-16-01
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 651159
Prep Batch: 650919

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	44000		25000	69300		ug/L		102	80 - 120	8	20
Iron	340		5000	5170		ug/L		97	80 - 120	7	20

Lab Sample ID: MB 240-651641/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 652128
Prep Batch: 651641

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		04/10/25 14:00	04/14/25 17:18	1
Iron	100	U	100		ug/L		04/10/25 14:00	04/14/25 17:18	1

Lab Sample ID: LCS 240-651641/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 652128
Prep Batch: 651641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	25000	25600		ug/L		103	80 - 120
Iron	5000	4900		ug/L		98	80 - 120

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

Lab Sample ID: MB 240-651016/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 651016

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			04/05/25 13:43	1

Lab Sample ID: LCS 240-651016/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 651016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	176	163		mg/L		93	80 - 120

Client: TRC Environmental Corporation.
Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-651190/3
Matrix: Water
Analysis Batch: 651190

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			04/07/25 20:43	1
Fluoride	0.050	U	0.050		mg/L			04/07/25 20:43	1
Sulfate	1.0	U	1.0		mg/L			04/07/25 20:43	1

Lab Sample ID: LCS 240-651190/4
Matrix: Water
Analysis Batch: 651190

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	47.5		mg/L		95	90 - 110		
Fluoride			2.50	2.44		mg/L		98	90 - 110		
Sulfate			50.0	47.4		mg/L		95	90 - 110		

Metals

Prep Batch: 650919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-1	MW-16-01	Total Recoverable	Water	3005A	
240-221548-2	MW-16-02	Total Recoverable	Water	3005A	
240-221548-3	DUP-01	Total Recoverable	Water	3005A	
240-221548-4	MW-16-03	Total Recoverable	Water	3005A	
240-221548-5	MW-16-04	Total Recoverable	Water	3005A	
240-221548-6	MW-16-09	Dissolved	Water	3005A	
MB 240-650919/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-650919/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-650919/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-221548-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-221548-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-221548-1 MSD	MW-16-01	Total Recoverable	Water	3005A	
240-221548-1 MSD	MW-16-01	Total Recoverable	Water	3005A	

Analysis Batch: 651159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-1	MW-16-01	Total Recoverable	Water	6020B	650919
240-221548-2	MW-16-02	Total Recoverable	Water	6020B	650919
240-221548-3	DUP-01	Total Recoverable	Water	6020B	650919
240-221548-4	MW-16-03	Total Recoverable	Water	6020B	650919
240-221548-5	MW-16-04	Total Recoverable	Water	6020B	650919
240-221548-6	MW-16-09	Dissolved	Water	6020B	650919
MB 240-650919/1-A	Method Blank	Total Recoverable	Water	6020B	650919
LCS 240-650919/3-A	Lab Control Sample	Total Recoverable	Water	6020B	650919
240-221548-1 MS	MW-16-01	Total Recoverable	Water	6020B	650919
240-221548-1 MSD	MW-16-01	Total Recoverable	Water	6020B	650919

Analysis Batch: 651202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-1	MW-16-01	Total Recoverable	Water	6010D	650919
240-221548-2	MW-16-02	Total Recoverable	Water	6010D	650919
240-221548-3	DUP-01	Total Recoverable	Water	6010D	650919
240-221548-4	MW-16-03	Total Recoverable	Water	6010D	650919
240-221548-5	MW-16-04	Total Recoverable	Water	6010D	650919
240-221548-6	MW-16-09	Dissolved	Water	6010D	650919
MB 240-650919/1-A	Method Blank	Total Recoverable	Water	6010D	650919
LCS 240-650919/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650919
240-221548-1 MS	MW-16-01	Total Recoverable	Water	6010D	650919
240-221548-1 MSD	MW-16-01	Total Recoverable	Water	6010D	650919

Prep Batch: 651641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-6	MW-16-09	Total Recoverable	Water	3005A	
MB 240-651641/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-651641/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-651641/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 651935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-6	MW-16-09	Total Recoverable	Water	6010D	651641
MB 240-651641/1-A	Method Blank	Total Recoverable	Water	6010D	651641

Metals (Continued)

Analysis Batch: 651935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-651641/2-A	Lab Control Sample	Total Recoverable	Water	6010D	651641

Analysis Batch: 652128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-6	MW-16-09	Total Recoverable	Water	6020B	651641
MB 240-651641/1-A	Method Blank	Total Recoverable	Water	6020B	651641
LCS 240-651641/3-A	Lab Control Sample	Total Recoverable	Water	6020B	651641

General Chemistry

Analysis Batch: 651016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-1	MW-16-01	Total/NA	Water	2540 C-2020	
240-221548-2	MW-16-02	Total/NA	Water	2540 C-2020	
240-221548-3	DUP-01	Total/NA	Water	2540 C-2020	
240-221548-4	MW-16-03	Total/NA	Water	2540 C-2020	
240-221548-5	MW-16-04	Total/NA	Water	2540 C-2020	
240-221548-6	MW-16-09	Total/NA	Water	2540 C-2020	
MB 240-651016/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-651016/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 651190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221548-1	MW-16-01	Total/NA	Water	9056A	
240-221548-1	MW-16-01	Total/NA	Water	9056A	
240-221548-2	MW-16-02	Total/NA	Water	9056A	
240-221548-2	MW-16-02	Total/NA	Water	9056A	
240-221548-3	DUP-01	Total/NA	Water	9056A	
240-221548-3	DUP-01	Total/NA	Water	9056A	
240-221548-4	MW-16-03	Total/NA	Water	9056A	
240-221548-4	MW-16-03	Total/NA	Water	9056A	
240-221548-5	MW-16-04	Total/NA	Water	9056A	
240-221548-5	MW-16-04	Total/NA	Water	9056A	
240-221548-6	MW-16-09	Total/NA	Water	9056A	
240-221548-6	MW-16-09	Total/NA	Water	9056A	
MB 240-651190/3	Method Blank	Total/NA	Water	9056A	
LCS 240-651190/4	Lab Control Sample	Total/NA	Water	9056A	

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-01 — Lab Sample ID: 240-221548-1

Date Collected: 03/31/25 11:17 — **Matrix: Water**
Date Received: 04/03/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6010D		1	651202	AJC	EET CLE	04/08/25 01:06
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6020B		1	651159	S4FJ	EET CLE	04/07/25 11:53
Total/NA	Analysis	2540 C-2020		1	651016	PQD2	EET CLE	04/05/25 13:43
Total/NA	Analysis	9056A		1	651190	JMR	EET CLE	04/07/25 22:43
Total/NA	Analysis	9056A		5	651190	JMR	EET CLE	04/07/25 22:52

Client Sample ID: MW-16-02 — Lab Sample ID: 240-221548-2

Date Collected: 03/31/25 11:54 — **Matrix: Water**
Date Received: 04/03/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6010D		1	651202	AJC	EET CLE	04/08/25 01:27
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6020B		1	651159	S4FJ	EET CLE	04/07/25 12:05
Total/NA	Analysis	2540 C-2020		1	651016	PQD2	EET CLE	04/05/25 13:43
Total/NA	Analysis	9056A		1	651190	JMR	EET CLE	04/07/25 23:01
Total/NA	Analysis	9056A		5	651190	JMR	EET CLE	04/07/25 23:10

Client Sample ID: DUP-01 — Lab Sample ID: 240-221548-3

Date Collected: 03/31/25 00:00 — **Matrix: Water**
Date Received: 04/03/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6010D		1	651202	AJC	EET CLE	04/08/25 01:35
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6020B		1	651159	S4FJ	EET CLE	04/07/25 12:07
Total/NA	Analysis	2540 C-2020		1	651016	PQD2	EET CLE	04/05/25 13:43
Total/NA	Analysis	9056A		1	651190	JMR	EET CLE	04/07/25 23:19
Total/NA	Analysis	9056A		5	651190	JMR	EET CLE	04/07/25 23:29

Client Sample ID: MW-16-03 — Lab Sample ID: 240-221548-4

Date Collected: 03/31/25 12:46 — **Matrix: Water**
Date Received: 04/03/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6010D		1	651202	AJC	EET CLE	04/08/25 01:48
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6020B		1	651159	S4FJ	EET CLE	04/07/25 12:10
Total/NA	Analysis	2540 C-2020		1	651016	PQD2	EET CLE	04/05/25 13:43

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-03 — Lab Sample ID: 240-221548-4

Date Collected: 03/31/25 12:46 — **Matrix: Water**
Date Received: 04/03/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	651190	JMR	EET CLE	04/07/25 23:38
Total/NA	Analysis	9056A		10	651190	JMR	EET CLE	04/07/25 23:47

Client Sample ID: MW-16-04 — Lab Sample ID: 240-221548-5

Date Collected: 03/31/25 13:47 — **Matrix: Water**
Date Received: 04/03/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6010D		1	651202	AJC	EET CLE	04/08/25 01:52
Total Recoverable	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Total Recoverable	Analysis	6020B		1	651159	S4FJ	EET CLE	04/07/25 12:12
Total/NA	Analysis	2540 C-2020		1	651016	PQD2	EET CLE	04/05/25 13:43
Total/NA	Analysis	9056A		1	651190	JMR	EET CLE	04/08/25 00:42
Total/NA	Analysis	9056A		5	651190	JMR	EET CLE	04/08/25 00:51

Client Sample ID: MW-16-09 — Lab Sample ID: 240-221548-6

Date Collected: 03/31/25 14:52 — **Matrix: Water**
Date Received: 04/03/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Dissolved	Analysis	6010D		1	651202	AJC	EET CLE	04/08/25 01:56
Total Recoverable	Prep	3005A			651641	MN7X	EET CLE	04/10/25 14:00
Total Recoverable	Analysis	6010D		1	651935	AJC	EET CLE	04/11/25 16:04
Dissolved	Prep	3005A			650919	BN	EET CLE	04/04/25 14:00
Dissolved	Analysis	6020B		1	651159	S4FJ	EET CLE	04/07/25 12:15
Total Recoverable	Prep	3005A			651641	MN7X	EET CLE	04/10/25 14:00
Total Recoverable	Analysis	6020B		1	652128	S4FJ	EET CLE	04/14/25 18:02
Total/NA	Analysis	2540 C-2020		1	651016	PQD2	EET CLE	04/05/25 13:43
Total/NA	Analysis	9056A		1	651190	JMR	EET CLE	04/08/25 01:00
Total/NA	Analysis	9056A		10	651190	JMR	EET CLE	04/08/25 01:09

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: 240-221548-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Laboratory: Eurofins Cleveland

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

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

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

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JAVIER J ASSC	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131335-43696.1
Client Contact: Mr. Vincent Buening	Phone: 734 904 3310	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 #: ~~2000274~~ 2292169			
Email: vbuening@trccompanies.com	WO #: 620070.0000.0000			
Project Name: CCR DTE Belle River Bottom Ash Basins	Project #: 24016463			
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-16-01	3/31/25	1117	6	Water	N	N	X	X	X	3	
MW-16-02	3/31/25	1154	6	Water	N	N	X	X	X	3	
DUP #01	3/31/25	—	6	Water	N	N	X	X	X	3	
MW-16-03	3/31/25	1246	6	Water	N	N	X	X	X	3	
MW-16-04	3/31/25	1347	6	Water	N	N	X	X	X	3	
MW-16-09	3/31/25	1452	6	Water	N	N	X	X	X	3	
				Water							

240-221548 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		3/31/25 1700	TRC		3/31/25 1700	TRC
2		4/2/25 2:40 PM	TRC		4/2/25 1420	TRC
3		4/2/25 1450	TRC		4/3/25 0800	TRC

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

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

Client TRC Environmental Site Name _____ Cooler unpacked by

Cooler Received on 4/3/25 Opened on 4/3/25

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

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

Eurofins Cooler # 5 Foam Box Client Cooler Box Other _____

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

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

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

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
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:

MW-16-09 nitric bottle says filtered on it, all other nitrics do not say filtered, logging field filtered metals for MW-16-09 only

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 #:	2.1	2.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.3	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

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

4/3/2025

Login Container Summary Report

240-221548

4/15/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-01	240-221548-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-221548-B-1	Plastic 500ml - unpreserved				
MW-16-01	240-221548-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240-221548-A-2	Plastic 60 mL - unpreserved				
MW-16-02	240-221548-B-2	Plastic 500ml - unpreserved				
MW-16-02	240-221548-C-2	Plastic 500ml - with Nitric Acid	<2			
DUP #01	240-221548-A-3	Plastic 60 mL - unpreserved				
DUP #01	240-221548-B-3	Plastic 500ml - unpreserved				
DUP #01	240-221548-C-3	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-221548-A-4	Plastic 60 mL - unpreserved				
MW-16-03	240-221548-B-4	Plastic 500ml - unpreserved				
MW-16-03	240-221548-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-04	240-221548-A-5	Plastic 60 mL - unpreserved				
MW-16-04	240-221548-B-5	Plastic 500ml - unpreserved				
MW-16-04	240-221548-C-5	Plastic 500ml - with Nitric Acid	<2			
MW-16-09	240-221548-A-6	Plastic 60 mL - unpreserved				
MW-16-09	240-221548-B-6	Plastic 500ml - unpreserved				
MW-16-09	240-221548-C-6	Plastic 500ml - w/ Nitric - Dis.	<2			

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/2/2025 9:48:50 PM

JOB DESCRIPTION

CCR DTE Belle River Bottom Ash Basins

JOB NUMBER

240-236103-1

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

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11/2/2025 9:48:50 PM

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

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

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: 240-236103-1 Eurofins Cleveland

Job Narrative
240-236103-1

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 10/24/2025 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. Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

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: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-236103-1	MW-16-01	Water	10/21/25 11:00	10/24/25 08:00	Michigan
240-236103-2	MW-16-02	Water	10/21/25 11:36	10/24/25 08:00	Michigan
240-236103-3	MW-16-03	Water	10/21/25 12:13	10/24/25 08:00	Michigan
240-236103-4	MW-16-04	Water	10/21/25 14:35	10/24/25 08:00	Michigan
240-236103-5	MW-16-09	Water	10/21/25 13:03	10/24/25 08:00	Michigan
240-236103-6	DUP-1	Water	10/21/25 00:00	10/24/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-01
Lab Sample ID: 240-236103-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1000		100		ug/L	1		6010D	Total Recoverable
Calcium	44000		1000		ug/L	1		6020B	Total Recoverable
Iron	140		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	870		20		mg/L	1		2540 C-2020	Total/NA
Chloride	420		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA
Sulfate	14		1.0		mg/L	1		9056A	Total/NA

Client Sample ID: MW-16-02
Lab Sample ID: 240-236103-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1200		100		ug/L	1		6010D	Total Recoverable
Calcium	59000		1000		ug/L	1		6020B	Total Recoverable
Iron	1000		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	750		10		mg/L	1		2540 C-2020	Total/NA
Chloride	350		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.2		0.050		mg/L	1		9056A	Total/NA
Sulfate	10		1.0		mg/L	1		9056A	Total/NA

Client Sample ID: MW-16-03
Lab Sample ID: 240-236103-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	36000		1000		ug/L	1		6020B	Total Recoverable
Iron	600		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1000		20		mg/L	1		2540 C-2020	Total/NA
Chloride	560		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.8		0.050		mg/L	1		9056A	Total/NA
Sulfate	1.1		1.0		mg/L	1		9056A	Total/NA

Client Sample ID: MW-16-04
Lab Sample ID: 240-236103-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	47000		1000		ug/L	1		6020B	Total Recoverable
Iron	760		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	980		20		mg/L	1		2540 C-2020	Total/NA
Chloride	470		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA
Sulfate	9.5		1.0		mg/L	1		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation. Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-09 Lab Sample ID: 240-236103-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1500		100		ug/L	1		6010D	Total Recoverable
Calcium	41000		1000		ug/L	1		6020B	Total Recoverable
Iron	2400		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1500		20		mg/L	1		2540 C-2020	Total/NA
Chloride	840		10		mg/L	10		9056A	Total/NA
Fluoride	1.4		0.050		mg/L	1		9056A	Total/NA
Sulfate	23		1.0		mg/L	1		9056A	Total/NA

Client Sample ID: DUP-1 Lab Sample ID: 240-236103-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Boron	1100		100		ug/L	1		6010D	Total Recoverable
Calcium	46000		1000		ug/L	1		6020B	Total Recoverable
Iron	140		100		ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	860		20		mg/L	1		2540 C-2020	Total/NA
Chloride	440		5.0		mg/L	5		9056A	Total/NA
Fluoride	1.7		0.050		mg/L	1		9056A	Total/NA
Sulfate	14		1.0		mg/L	1		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-01
Lab Sample ID: 240-236103-1

Date Collected: 10/21/25 11:00
Matrix: Water

Date Received: 10/24/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1000		100		ug/L		10/26/25 12:00	10/28/25 18:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	44000		1000		ug/L		10/26/25 12:00	10/27/25 21:51	1
Iron	140		100		ug/L		10/26/25 12:00	10/27/25 21:51	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	870		20		mg/L			10/27/25 09:44	1
Chloride (SW846 9056A)	420		5.0		mg/L			10/30/25 12:55	5
Fluoride (SW846 9056A)	1.7		0.050		mg/L			10/28/25 21:31	1
Sulfate (SW846 9056A)	14		1.0		mg/L			10/28/25 21:31	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-02 — Lab Sample ID: 240-236103-2

Date Collected: 10/21/25 11:36 — **Matrix: Water**
Date Received: 10/24/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1200		100		ug/L		10/26/25 12:00	10/28/25 19:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	59000		1000		ug/L		10/26/25 12:00	10/27/25 22:49	1
Iron	1000		100		ug/L		10/26/25 12:00	10/27/25 22:49	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	750		10		mg/L			10/27/25 09:44	1
Chloride (SW846 9056A)	350		5.0		mg/L			10/28/25 22:35	5
Fluoride (SW846 9056A)	1.2		0.050		mg/L			10/28/25 22:13	1
Sulfate (SW846 9056A)	10		1.0		mg/L			10/28/25 22:13	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-03 — Lab Sample ID: 240-236103-3

Date Collected: 10/21/25 12:13 — **Matrix: Water**
Date Received: 10/24/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		10/26/25 12:00	10/28/25 19:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	36000		1000		ug/L		10/26/25 12:00	10/27/25 22:52	1
Iron	600		100		ug/L		10/26/25 12:00	10/27/25 22:52	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1000		20		mg/L			10/27/25 09:44	1
Chloride (SW846 9056A)	560		5.0		mg/L			10/29/25 00:00	5
Fluoride (SW846 9056A)	1.8		0.050		mg/L			10/28/25 22:56	1
Sulfate (SW846 9056A)	1.1		1.0		mg/L			10/28/25 22:56	1

Client Sample Results

Client: TRC Environmental Corporation. Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-04 — Lab Sample ID: 240-236103-4

Date Collected: 10/21/25 14:35 — **Matrix: Water**
Date Received: 10/24/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		10/26/25 12:00	10/28/25 19:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	47000		1000		ug/L		10/26/25 12:00	10/27/25 22:55	1
Iron	760		100		ug/L		10/26/25 12:00	10/27/25 22:55	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	980		20		mg/L			10/27/25 09:44	1
Chloride (SW846 9056A)	470		5.0		mg/L			10/29/25 00:43	5
Fluoride (SW846 9056A)	1.7		0.050		mg/L			10/29/25 00:22	1
Sulfate (SW846 9056A)	9.5		1.0		mg/L			10/29/25 00:22	1

Client: TRC Environmental Corporation.
Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-09
Lab Sample ID: 240-236103-5
Date Collected: 10/21/25 13:03
Matrix: Water
Date Received: 10/24/25 08:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1500		100		ug/L		10/26/25 12:00	10/28/25 19:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	41000		1000		ug/L		10/26/25 12:00	10/27/25 22:57	1
Iron	2400		100		ug/L		10/26/25 12:00	10/27/25 22:57	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1500		20		mg/L			10/27/25 09:44	1
Chloride (SW846 9056A)	840		10		mg/L			10/29/25 11:22	10
Fluoride (SW846 9056A)	1.4		0.050		mg/L			10/29/25 11:01	1
Sulfate (SW846 9056A)	23		1.0		mg/L			10/29/25 11:01	1

Client: TRC Environmental Corporation.
Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: DUP-1
Lab Sample ID: 240-236103-6

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

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	1100		100		ug/L		10/26/25 12:00	10/28/25 04:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	46000		1000		ug/L		10/26/25 12:00	10/27/25 23:00	1
Iron	140		100		ug/L		10/26/25 12:00	10/27/25 23:00	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	860		20		mg/L			10/27/25 09:44	1
Chloride (SW846 9056A)	440		5.0		mg/L			10/29/25 08:32	5
Fluoride (SW846 9056A)	1.7		0.050		mg/L			10/29/25 07:28	1
Sulfate (SW846 9056A)	14		1.0		mg/L			10/29/25 07:28	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-677726/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 678175 — **Prep Batch: 677726**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Boron	100	U	100		ug/L		10/26/25 12:00	10/28/25 18:50	1

Lab Sample ID: LCS 240-677726/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 678175 — **Prep Batch: 677726**

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

Lab Sample ID: 240-236103-1 MS — **Client Sample ID: MW-16-01**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 678175 — **Prep Batch: 677726**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	1000		1000	2050		ug/L		101	75 - 125		

Lab Sample ID: 240-236103-1 MSD — **Client Sample ID: MW-16-01**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 678175 — **Prep Batch: 677726**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1000		1000	2150		ug/L		111	75 - 125	5	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-677726/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 677989 — **Prep Batch: 677726**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		10/26/25 12:00	10/27/25 21:46	1
Iron	100	U	100		ug/L		10/26/25 12:00	10/27/25 21:46	1

Lab Sample ID: LCS 240-677726/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 677989 — **Prep Batch: 677726**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25000	26300		ug/L		105	80 - 120		
Iron			5000	5270		ug/L		105	80 - 120		

Lab Sample ID: 240-236103-1 MS — **Client Sample ID: MW-16-01**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 677989 — **Prep Batch: 677726**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	44000		25000	69100		ug/L		99	80 - 120		
Iron	140		5000	5240		ug/L		102	80 - 120		

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

Lab Sample ID: 240-236103-1 MSD — **Client Sample ID: MW-16-01**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 677989 — **Prep Batch: 677726**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	44000		25000	72100		ug/L		111	80 - 120	4	20
Iron	140		5000	5380		ug/L		105	80 - 120	3	20

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

Lab Sample ID: MB 240-677823/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 677823

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10	U	10		mg/L			10/27/25 09:44	1

Lab Sample ID: LCS 240-677823/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 677823

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			285	274		mg/L		96	80 - 120		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-678128/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 678128

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			10/28/25 19:44	1
Fluoride	0.050	U	0.050		mg/L			10/28/25 19:44	1
Sulfate	1.0	U	1.0		mg/L			10/28/25 19:44	1

Lab Sample ID: LCS 240-678128/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 678128

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	49.9		mg/L		100	90 - 110		
Fluoride			2.50	2.57		mg/L		103	90 - 110		
Sulfate			50.0	50.4		mg/L		101	90 - 110		

Lab Sample ID: MB 240-678486/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 678486

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	1.0		mg/L			10/30/25 11:50	1
Fluoride	0.050	U	0.050		mg/L			10/30/25 11:50	1
Sulfate	1.0	U	1.0		mg/L			10/30/25 11:50	1

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

Lab Sample ID: LCS 240-678486/4
Matrix: Water
Analysis Batch: 678486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.0		mg/L		98	90 - 110
Fluoride	2.50	2.49		mg/L		100	90 - 110
Sulfate	50.0	49.7		mg/L		99	90 - 110

Metals

Prep Batch: 677726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-1	MW-16-01	Total Recoverable	Water	3005A	
240-236103-2	MW-16-02	Total Recoverable	Water	3005A	
240-236103-3	MW-16-03	Total Recoverable	Water	3005A	
240-236103-4	MW-16-04	Total Recoverable	Water	3005A	
240-236103-5	MW-16-09	Total Recoverable	Water	3005A	
240-236103-6	DUP-1	Total Recoverable	Water	3005A	
MB 240-677726/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-677726/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-677726/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-236103-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-236103-1 MS	MW-16-01	Total Recoverable	Water	3005A	
240-236103-1 MSD	MW-16-01	Total Recoverable	Water	3005A	
240-236103-1 MSD	MW-16-01	Total Recoverable	Water	3005A	

Analysis Batch: 677989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-1	MW-16-01	Total Recoverable	Water	6020B	677726
240-236103-2	MW-16-02	Total Recoverable	Water	6020B	677726
240-236103-3	MW-16-03	Total Recoverable	Water	6020B	677726
240-236103-4	MW-16-04	Total Recoverable	Water	6020B	677726
240-236103-5	MW-16-09	Total Recoverable	Water	6020B	677726
240-236103-6	DUP-1	Total Recoverable	Water	6020B	677726
MB 240-677726/1-A	Method Blank	Total Recoverable	Water	6020B	677726
LCS 240-677726/3-A	Lab Control Sample	Total Recoverable	Water	6020B	677726
240-236103-1 MS	MW-16-01	Total Recoverable	Water	6020B	677726
240-236103-1 MSD	MW-16-01	Total Recoverable	Water	6020B	677726

Analysis Batch: 678083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-6	DUP-1	Total Recoverable	Water	6010D	677726

Analysis Batch: 678175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-1	MW-16-01	Total Recoverable	Water	6010D	677726
240-236103-2	MW-16-02	Total Recoverable	Water	6010D	677726
240-236103-3	MW-16-03	Total Recoverable	Water	6010D	677726
240-236103-4	MW-16-04	Total Recoverable	Water	6010D	677726
240-236103-5	MW-16-09	Total Recoverable	Water	6010D	677726
MB 240-677726/1-A	Method Blank	Total Recoverable	Water	6010D	677726
LCS 240-677726/2-A	Lab Control Sample	Total Recoverable	Water	6010D	677726
240-236103-1 MS	MW-16-01	Total Recoverable	Water	6010D	677726
240-236103-1 MSD	MW-16-01	Total Recoverable	Water	6010D	677726

General Chemistry

Analysis Batch: 677823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-1	MW-16-01	Total/NA	Water	2540 C-2020	
240-236103-2	MW-16-02	Total/NA	Water	2540 C-2020	
240-236103-3	MW-16-03	Total/NA	Water	2540 C-2020	
240-236103-4	MW-16-04	Total/NA	Water	2540 C-2020	

General Chemistry (Continued)

Analysis Batch: 677823 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-5	MW-16-09	Total/NA	Water	2540 C-2020	
240-236103-6	DUP-1	Total/NA	Water	2540 C-2020	
MB 240-677823/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-677823/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 678128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-1	MW-16-01	Total/NA	Water	9056A	
240-236103-2	MW-16-02	Total/NA	Water	9056A	
240-236103-2	MW-16-02	Total/NA	Water	9056A	
240-236103-3	MW-16-03	Total/NA	Water	9056A	
240-236103-3	MW-16-03	Total/NA	Water	9056A	
240-236103-4	MW-16-04	Total/NA	Water	9056A	
240-236103-4	MW-16-04	Total/NA	Water	9056A	
240-236103-5	MW-16-09	Total/NA	Water	9056A	
240-236103-5	MW-16-09	Total/NA	Water	9056A	
240-236103-6	DUP-1	Total/NA	Water	9056A	
240-236103-6	DUP-1	Total/NA	Water	9056A	
MB 240-678128/3	Method Blank	Total/NA	Water	9056A	
LCS 240-678128/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 678486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-236103-1	MW-16-01	Total/NA	Water	9056A	
MB 240-678486/3	Method Blank	Total/NA	Water	9056A	
LCS 240-678486/4	Lab Control Sample	Total/NA	Water	9056A	

Client Sample ID: MW-16-01 — Lab Sample ID: 240-236103-1

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6010D		1	678175	KLC	EET CLE	10/28/25 18:59
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6020B		1	677989	S4FJ	EET CLE	10/27/25 21:51
Total/NA	Analysis	2540 C-2020		1	677823	TAV2	EET CLE	10/27/25 09:44
Total/NA	Analysis	9056A		5	678486	JMR	EET CLE	10/30/25 12:55
Total/NA	Analysis	9056A		1	678128	JMR	EET CLE	10/28/25 21:31

Client Sample ID: MW-16-02 — Lab Sample ID: 240-236103-2

Date Collected: 10/21/25 11:36 — **Matrix: Water**
Date Received: 10/24/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6010D		1	678175	KLC	EET CLE	10/28/25 19:24
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6020B		1	677989	S4FJ	EET CLE	10/27/25 22:49
Total/NA	Analysis	2540 C-2020		1	677823	TAV2	EET CLE	10/27/25 09:44
Total/NA	Analysis	9056A		1	678128	JMR	EET CLE	10/28/25 22:13
Total/NA	Analysis	9056A		5	678128	JMR	EET CLE	10/28/25 22:35

Client Sample ID: MW-16-03 — Lab Sample ID: 240-236103-3

Date Collected: 10/21/25 12:13 — **Matrix: Water**
Date Received: 10/24/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6010D		1	678175	KLC	EET CLE	10/28/25 19:28
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6020B		1	677989	S4FJ	EET CLE	10/27/25 22:52
Total/NA	Analysis	2540 C-2020		1	677823	TAV2	EET CLE	10/27/25 09:44
Total/NA	Analysis	9056A		1	678128	JMR	EET CLE	10/28/25 22:56
Total/NA	Analysis	9056A		5	678128	JMR	EET CLE	10/29/25 00:00

Client Sample ID: MW-16-04 — Lab Sample ID: 240-236103-4

Date Collected: 10/21/25 14:35 — **Matrix: Water**
Date Received: 10/24/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6010D		1	678175	KLC	EET CLE	10/28/25 19:32
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6020B		1	677989	S4FJ	EET CLE	10/27/25 22:55
Total/NA	Analysis	2540 C-2020		1	677823	TAV2	EET CLE	10/27/25 09:44

Lab Chronicle

Client: TRC Environmental Corporation. Job ID: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Client Sample ID: MW-16-04 — Lab Sample ID: 240-236103-4

Date Collected: 10/21/25 14:35 — **Matrix: Water**
Date Received: 10/24/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	678128	JMR	EET CLE	10/29/25 00:22
Total/NA	Analysis	9056A		5	678128	JMR	EET CLE	10/29/25 00:43

Client Sample ID: MW-16-09 — Lab Sample ID: 240-236103-5

Date Collected: 10/21/25 13:03 — **Matrix: Water**
Date Received: 10/24/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6010D		1	678175	KLC	EET CLE	10/28/25 19:37
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6020B		1	677989	S4FJ	EET CLE	10/27/25 22:57
Total/NA	Analysis	2540 C-2020		1	677823	TAV2	EET CLE	10/27/25 09:44
Total/NA	Analysis	9056A		1	678128	JMR	EET CLE	10/29/25 11:01
Total/NA	Analysis	9056A		10	678128	JMR	EET CLE	10/29/25 11:22

Client Sample ID: DUP-1 — Lab Sample ID: 240-236103-6

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6010D		1	678083	AJC	EET CLE	10/28/25 04:13
Total Recoverable	Prep	3005A			677726	KLC	EET CLE	10/26/25 12:00
Total Recoverable	Analysis	6020B		1	677989	S4FJ	EET CLE	10/27/25 23:00
Total/NA	Analysis	2540 C-2020		1	677823	TAV2	EET CLE	10/27/25 09:44
Total/NA	Analysis	9056A		1	678128	JMR	EET CLE	10/29/25 07:28
Total/NA	Analysis	9056A		5	678128	JMR	EET CLE	10/29/25 08:32

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: 240-236103-1
Project/Site: CCR DTE Belle River Bottom Ash Basins

Laboratory: Eurofins Cleveland

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

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

MICHIGAN
190

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

Chain of Custody Record

0.3/0.9

eurofins | Environment Testing

Client Information	Sampler: A. Whaley	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-137770-43696.1
Client Contact: Mr. Vincent Buening	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 #: 229274			
Email: vbuening@trccompanies.com	WO #: 620070.0000.0000			
Project Name: CCR DTE Belle River Bottom Ash Basins	Project #: 24016463			
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, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B Ba, 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-16-01	10/21/25	1100	G	Water	N	N	X	X	X	3	
MW-16-02	10/21/25	1136	G	Water	N	N	X	X	X	3	
MW-16-03	10/21/25	12:13	G	Water	N	N	X	X	X	3	
MW-16-04	10/21/25	14:35	G	Water	N	N	X	X	X	3	
MW-16-09	10/21/25	1303	G	Water	N	N	X	X	X	3	
DUP-1	10/21/25	—	G	Water	N	N	X	X	X	3	
				Water							

240-236103 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 Level II 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	[signature]	10/21/25 1800	TRC	TRC Storage	10/21/25 1800	TRC
2	[signature]	10/22/25 100	TRC	[signature]	10-22-25 1703	EHA
3	[signature]	10-23-25 1315	EHA	KBarnes	10/24/25 0800	Eurofins

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: MBarnes
Cooler Received on 10/24/25 Opened on 10/24/25
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 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 _____

10/24/2025

Login Container Summary Report

240-236103

11/2/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW 16-01	240-236103-A-1	Plastic 60 mL - unpreserved				
MW-16-01	240-236103 B 1	Plastic 500ml - unpreserved				
MW-16-01	240-236103-C-1	Plastic 500ml - with Nitric Acid	<2			
MW-16-02	240 236103-A-2	Plastic 60 mL - unpreserved				
MW 16-02	240-236103-B-2	Plastic 500ml - unpreserved				
MW-16-02	240-236103-C-2	Plastic 500ml - with Nitric Acid	<2			
MW-16-03	240-236103-A-3	Plastic 60 mL - unpreserved				
MW-16-03	240 236103 B-3	Plastic 500ml - unpreserved				
MW-16-03	240-236103-C-3	Plastic 500ml with Nitric Acid	<2			
MW 16-04	240-236103-A-4	Plastic 60 mL - unpreserved				
MW-16-04	240-236103-B-4	Plastic 500ml - unpreserved				
MW-16-04	240-236103-C-4	Plastic 500ml - with Nitric Acid	<2			
MW-16-09	240-236103-A-5	Plastic 60 mL unpreserved				
MW-16-09	240 236103 B-5	Plastic 500ml - unpreserved				
MW-16-09	240-236103-C-5	Plastic 500ml - with Nitric Acid	<2			
DUP-1	240-236103 A-6	Plastic 60 mL - unpreserved				
DUP-1	240-236103-B-6	Plastic 500ml - unpreserved				
DUP-1	240-236103-C-6	Plastic 500ml - with Nitric Acid	<2			

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/25/2025 9:07:43 AM

JOB DESCRIPTION

CCR DTE BRPP BABs

JOB NUMBER

240-238292-1

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
11/25/2025 9:07:43 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: 240-238292-1
Project/Site: CCR DTE BRPP BABs

Qualifiers

Metals

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

Glossary

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

Job ID: 240-238292-1 Eurofins Cleveland

Job Narrative
240-238292-1

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 11/20/2025 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 3.0°C and 3.9°C.

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

Method Summary

Client: TRC Environmental Corporation.
Job ID: 240-238292-1
Project/Site: CCR DTE BRPP BABs

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: TRC Environmental Corporation.
Job ID: 240-238292-1
Project/Site: CCR DTE BRPP BABs

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-238292-1	MW-16-02	Water	11/18/25 11:45	11/20/25 08:00	Michigan
240-238292-2	MW-16-03	Water	11/18/25 10:55	11/20/25 08:00	Michigan
240-238292-3	DUP-01V	Water	11/18/25 00:00	11/20/25 08:00	Michigan

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE BRPP BABs

Job ID: 240-238292-1

Client Sample ID: MW-16-02 — Lab Sample ID: 240-238292-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Calcium	58000		1000		ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-16-03 — Lab Sample ID: 240-238292-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Calcium	34000		1000		ug/L	1		6020B	Total Recoverable

Client Sample ID: DUP-01V — Lab Sample ID: 240-238292-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Calcium	34000		1000		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation.
Project/Site: CCR DTE BRPP BABs

Job ID: 240-238292-1

Client Sample ID: MW-16-02
Date Collected: 11/18/25 11:45
Date Received: 11/20/25 08:00

Lab Sample ID: 240-238292-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	58000		1000		ug/L		11/21/25 14:00	11/24/25 20:14	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE BRPP BABs

Job ID: 240-238292-1

Client Sample ID: MW-16-03
Date Collected: 11/18/25 10:55
Date Received: 11/20/25 08:00

Lab Sample ID: 240-238292-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	34000		1000		ug/L		11/21/25 14:00	11/24/25 20:17	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE BRPP BABs

Job ID: 240-238292-1

Client Sample ID: DUP-01V
Date Collected: 11/18/25 00:00
Date Received: 11/20/25 08:00

Lab Sample ID: 240-238292-3
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	34000		1000		ug/L		11/21/25 14:00	11/24/25 20:20	1

Client: TRC Environmental Corporation.
Project/Site: CCR DTE BRPP BABs

Job ID: 240-238292-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-681626/1-A
Matrix: Water
Analysis Batch: 681984

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 681626

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000	U	1000		ug/L		11/21/25 14:00	11/24/25 19:24	1

Lab Sample ID: LCS 240-681626/2-A
Matrix: Water
Analysis Batch: 681984

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 681626

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

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: CCR DTE BRPP BABs

Job ID: 240-238292-1

Metals

Prep Batch: 681626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238292-1	MW-16-02	Total Recoverable	Water	3005A	
240-238292-2	MW-16-03	Total Recoverable	Water	3005A	
240-238292-3	DUP-01V	Total Recoverable	Water	3005A	
MB 240-681626/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-681626/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 681984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-238292-1	MW-16-02	Total Recoverable	Water	6020B	681626
240-238292-2	MW-16-03	Total Recoverable	Water	6020B	681626
240-238292-3	DUP-01V	Total Recoverable	Water	6020B	681626
MB 240-681626/1-A	Method Blank	Total Recoverable	Water	6020B	681626
LCS 240-681626/2-A	Lab Control Sample	Total Recoverable	Water	6020B	681626

Lab Chronicle

Client: TRC Environmental Corporation.
Job ID: 240-238292-1
Project/Site: CCR DTE BRPP BABs

Client Sample ID: MW-16-02
Lab Sample ID: 240-238292-1
Date Collected: 11/18/25 11:45
Matrix: Water
Date Received: 11/20/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			681626	MN7X	EET CLE	11/21/25 14:00
Total Recoverable	Analysis	6020B		1	681984	S4FJ	EET CLE	11/24/25 20:14

Client Sample ID: MW-16-03
Lab Sample ID: 240-238292-2
Date Collected: 11/18/25 10:55
Matrix: Water
Date Received: 11/20/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			681626	MN7X	EET CLE	11/21/25 14:00
Total Recoverable	Analysis	6020B		1	681984	S4FJ	EET CLE	11/24/25 20:17

Client Sample ID: DUP-01V
Lab Sample ID: 240-238292-3
Date Collected: 11/18/25 00:00
Matrix: Water
Date Received: 11/20/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			681626	MN7X	EET CLE	11/21/25 14:00
Total Recoverable	Analysis	6020B		1	681984	S4FJ	EET CLE	11/24/25 20:20

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: 240-238292-1
Project/Site: CCR DTE BRPP BABs

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

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

MICHIGAN 190

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Kast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:	Analysis Requested		Job #:
Address: 1540 Eisenhower Place	Due Date Requested:			Preservation Codes: D - HNO3 N - None
City: Ann Arbor	TAT Requested (days): 3 Day TAT			
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No			
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229269			
Email: vbuening@trccompanies.com	WO #:			Other:
Project Name: CCR DTE BRPP BABs	Project #: 620070.0000			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - (MOD) Metals - Calcium	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	X	
MW-16-02	11/18/25	1145	G	Water	N	N	X	1	
MW-16-03	1	1055	G	Water	N	N	X	1	
DUP-01V			G	Water	N	N	X	1	

240-238292 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 EQUIS 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		11/18/25 1344	TRC	TRC Fridge	11/18/25 1344	TRC
2		11/19/25 1203	TRC		11-19-25 1203	ETA
3		11-19-25 1300	ETA	KMartin	11/20/25 800	EUR

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

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

Client TRC Site Name_____ Cooler unpacked by: ICMartin

Cooler Received on 11/20/25 Opened on 11/20/25

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 [X] See Multiple Cooler Form

IR GUN # 13 (CF +0.6 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

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

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

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

Concerning _____

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

Labeled by:

Labels Verified by:

19. SAMPLE CONDITION

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

Sample(s) _____ were received in a broken container.

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

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

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

VOA Sample Preservation - Date/Time VOAs Frozen: _____

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

Login # : ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 13	3.3	3.9	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #: ↓	2.4	3.0	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	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

11/20/2025

Login Container Summary Report

240-238292

11/25/2025

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-16-02	240-238292-A-1	Plastic 250ml - with Nitric Acid	<2			
MW-16-03	240-238292-A-2	Plastic 250ml - with Nitric Acid	<2			
DUP-01V	240-238292-A-3	Plastic 250ml - with Nitric Acid	<2			

Appendix B
Field Notes

TRC

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sampling
PROJECT NUMBER:	620070.0000.0000
PROJECT MANAGER:	Vince Buening
SITE LOCATION:	4505 King Road China Township, MI 48054
DATES OF FIELDWORK:	3/31/2025 TO 4/2/2025
PURPOSE OF FIELDWORK:	1SA2025 CCR Sampling Event
WORK PERFORMED BY:	J. Jasso

SIGNED 4/3/25 DATE

CHECKED BY 4/4/25 DATE

REVISED 04/2019

TRC

GENERAL NOTES

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	DATE: 3/31/25	TIME ARRIVED: 0770
PROJECT NUMBER: 620070.0000.0000	AUTHOR: J. Jasso	TIME LEFT: 1510

WEATHER

TEMPERATURE: 40 °F WIND: 20 MPH VISIBILITY: overcast

WORK / SAMPLING PERFORMED

Water level
Purge wells down - MW-16-11A, MW-16-10
MW-16-08
Wells SAMPLE = MW-16-01, MW-16-02, MW-16-03
DUP #01, MW-16-04, MW-16-09 F.B. HCl

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Andrew Whaley	TRC	Technical Coordinator
Narmeen Qureshi	DTE	Site Contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purge to ground

SIGNED 4/2/25 DATE

Ashton Kast 4/4/25
CHECKED BY DATE

REVISED 04/2019

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE: BRPP BABs-DB 2025 S	SAMPLER NAME:	J. Jasso
PROJECT NO.:	620070.0000.0000		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

HERON DIPPER-T	TRC A2
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	TRC A2
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	0.45 MICRON
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DEDICATED POLY TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	LABORATORY PROVIDED
POTABLE WATER SOURCE	DI WATER SOURCE
4/1/25	4/4/25
SIGNED / DATE	CHECKED BY / DATE

REVISED 04/2019

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sampling	MODEL: YSI Pro DSS	SAMPLER: JJ
PROJECT NO.:	620070.0000.0000	SERIAL #: TRC A2	DATE: 3/31/25

PH CALIBRATION CHECK

pH 7 (LOT #): 460109 (EXP. DATE): 9/26 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 462 0445 (EXP. DATE): 9/26 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.00 / 7.00	4.00 / 4.00	☑ WITHIN RANGE	1050
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 460 0059 (EXP. DATE): 10/25 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1261 / 1261	14.5	☑ WITHIN RANGE	1050
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 240 10035 (EXP. DATE): 4/25 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
237 / 237	14	☑ WITHIN RANGE	1050
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
9.61 / 9.61	16	☑ WITHIN RANGE	1050
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): A 4164 (EXP. DATE): 6/26 POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0 / 0	/	☑ WITHIN RANGE	1050
100 / 100	/	☑ WITHIN RANGE	1050
/	/	☐ 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 4/2/25 DATE

CHECKED BY Ashley West 4/4/25 DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sampling	DATE:	3/31/25
PROJECT NUMBER:	620070.0000.0000	AUTHOR:	J. Jasso

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-16-01	0751	TOC	15.35	NM		
MW-16-02	0755		12.64			
MW-16-03	0757		15.67			
MW-16-04	0746		16.60			
MW-16-05	0815		16.35			
MW-16-06	0803		17.42			
MW-16-07	0806		14.60			
MW-16-08	0809		15.52			
MW-16-09	0800		15.76			
MW-16-10	0812		17.30			
MW-16-11A	0820		16.75			

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

4/2/25
SIGNED DATE

Ashlyn Kate 4/4/25
CHECKED DATE

REVISED 04/2019

Table 3

Daily pH Stabilization readings

DTE Belle River Power Plant Bottom Ash Basins and Diverson Basin

Sample ID	pH Prediction Limit	pH at stabilization prior to sampling	Sample Collection Date/Time
Bottom Ash Basin Montoring Wells			
MW-16-01	7.0-8.1	7.89	3/31/25 / 1117
MW-16-02	7.0-8.0	7.60	3/31/25 / 1154
MW-16-03	7.5-8.2	7.80	3/31/25 / 1249
MW-16-04	7.6-8.2	7.88	3/31/25 / 1247
MW-16-09	7.7-8.6	8.40	3/31/25 / 1455
Diversion Basin Monitoring Wells			
MW-16-05	7.9-8.5	7.95	4/1/25 / 1045
MW-16-06	7.7-8.3	7.80	4/1/25 / 1305
MW-16-07	7.8-8.3	8.16	4/1/25 / 1330
MW-16-08	7.6-8.3	8.10	4/1/25 / 1135
MW-16-10	7.6-8.5	8.38	4/1/25 / 1005
MW-16-11A	7.7-8.4	8.30	4/1/25 / 0850

Ashley Vest 4/4/25

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER:	620070.0000.0000	BY: JJ	DATE: 3/27/25	BY: AK	DATE: 4/4/25

SAMPLE ID: MW-16-01 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1047	DATE: 3/31/25	SAMPLE	TIME: 1117	DATE: 3/31/25

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

DEPTH TO WATER: 15.42 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.89 SU CONDUCTIVITY: 1510 umhos/cm

ORP: -232 mV DO: 1.40 mg/L

TURBIDITY: 4.9 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.1 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1047	200	4.00	1470	227	9.61	12	9.9	15.42	INITIAL
1052		7.17	1510	-149	2.37	4.60	10.6	16.00	1
1057		7.60	1517	-210	1.70	6	10.6	15.80	2
1102		7.75	1513	-226	1.56	4.7	10.5	16.80	3
1107		7.88	1512	-232	1.40	4.8	10.5	15.80	4
1112		7.89	1511	-232	1.40	4.9	10.5	15.80	5
1117		7.89	1510	-232	1.40	4.9	10.1	15.80	6

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

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Carrier	DATE SHIPPED:	3/31/25	AIRBILL NUMBER:	N A
COC NUMBER:	N A	SIGNATURE:		~~DATE~~ SIGNED:	4/2/25

TRC WATER SAMPLE LOG

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER: 620070.0000.0000	BY: JJ	DATE: 4/2/25	BY: AH	DATE: 4/4/25

SAMPLE ID: MW-16-08	WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER
WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL	☐ OTHER
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE	☐ OTHER

PURGING	TIME: 1129	DATE: 3/31/25	SAMPLE	TIME: 1154	DATE: 3/31/25
PURGE METHOD: ☑ PUMP ☐ BAILER	BLADDER PUMP (DEDICATED)		PH: 7.60 SU	CONDUCTIVITY: 1196	umhos/cm
			ORP: -217 mV	DO: 1.49	mg/L
DEPTH TO WATER: 289	T/ PVC		TURBIDITY: 3.8 NTU		
DEPTH TO BOTTOM: NM	T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM	☐ LITERS ☐ GALLONS		TEMPERATURE: 10.3 °C	OTHER:	
VOLUME REMOVED: 5	☒ LITERS ☐ GALLONS		COLOR: Clear	ODOR: non	
COLOR: Clear	ODOR: non		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 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1129	200	7.75	1202	-136	1.4	6.5	7.7	1289	INITIAL
1134		7.47	1182	-180	3.29	3.7	10.1	13.48	1
1139		7.04	1193	-205	1.78	3.9	10.2	1360	2
1144		7.59	1194	-217	1.50	3.9	10.2	1360	3
1149		7.60	1193	-217	1.50	3.9	10.3	13.70	4
1154		7.60	1196	-217	1.49	3.8	10.2	13.72	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 </= 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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 3/31/25	AIRBILL NUMBER: —
COC NUMBER: NA	SIGNATURE:	DATE SIGNED: 4/2/25

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER:	620070.0000.0000	BY: JJ	DATE: 4/2/25	BY: AH	DATE: 4/4/25

SAMPLE ID: MW 16-03	WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER			
WELL MATERIAL:	☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL	☐ OTHER		
SAMPLE TYPE:	☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE	☐ OTHER		

PURGING	TIME: 1219	DATE: 3/31/25	SAMPLE	TIME: 1249	DATE: 3/31/25
PURGE METHOD:	☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER		PH: 7.60 SU	CONDUCTIVITY: 1731	umhos/cm
			ORP: -207 mV	DO: 1.67	mg/L
DEPTH TO WATER:	15.22 T/ PVC		TURBIDITY: 4.0 NTU		
DEPTH TO BOTTOM:	NM T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	NM ☐ LITERS ☐ GALLONS		TEMPERATURE: 9.8 °C	OTHER:	
VOLUME REMOVED:	6 ☒ LITERS ☐ GALLONS		COLOR: Clear	ODOR: None	
COLOR:	Clear ODOR: None		FILTRATE (0.45 um) ☐ YES	☑ NO	
TURBIDITY			FILTRATE COLOR: —	FILTRATE ODOR: —	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☒ DUP-	NOT
DISPOSAL METHOD:	☑ GROUND ☐ DRUM ☐ OTHER		COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1219	200	7.93	1684	-114	1.60	5	7.3	15.22	INITIAL
1224		7.46	1724	-140	4.25	3.8	9.0	15.87	1
1229		7.47	1743	-187	2.10	3.8	9.7	15.87	2
1234		7.48	1734	-200	1.90	3.9	9.9	15.87	3
1239		7.80	1733	-207	1.68	3.9	9.8	15.87	4
1244		7.80	1731	-207	1.68	3.9	9.7	15.87	5
1249		7.60	1731	-207	1.67	4.0	9.8	15.87	6

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

pH: +/- 0.1 COND.: +/- 10 % ORP: +/- D.O.: +/- TURB: +/- 10 % or </= 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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	3/31/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:		DATE SIGNED:	4/2/25

TRC WATER SAMPLE LOG

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER: 620070.0000.0000	BY: JJ	DATE: 4/1/25	BY: AK	DATE: 4/4/25

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

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

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

PURGING	TIME: 1317	DATE: 3/31/25

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

DEPTH TO WATER: 16.01 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 3 ☑ LITERS ☐ GALLONS

COLOR: Brownish ODOR: NOR

TURBIDITY: ☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1347	DATE: 3/31/25

PH: 7.88 SU CONDUCTIVITY: 1561 umhos/cm

ORP: -240 mV DO: 1.49 mg/L

TURBIDITY: 9 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.5 °C OTHER:

COLOR: Clear ODOR: NOR

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)
1317	100	7.96	1485	-131	1.4	66	9.1	16.01	INITIAL
1322		7.61	1557	-163	5.2	37	9.7	16.30	0.5
1327		7.21	1606	-210	2.0	16	10.5	16.35	1
1332		7.90	1593	-221	1.70	11	10.6	16.46	1.5
1337		7.88	1573	-240	1.50	9	10.5	16.46	2
1342		7.88	1570	-246	1.50	9	10.4	16.46	2.5
1347		7.88	1561	-240	1.49	9	10.5	16.46	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 </= 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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 3/31/25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE:	DATE SIGNED: 4/8/25

REVISED 04/2019

TRC WATER SAMPLE LOG

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER:	620070.0000.0000	BY: JJ	DATE: 4/1/25	BY: AK	DATE: 4/4/25

SAMPLE ID: MW-16-09 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1407	DATE: 3/31/25

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

DEPTH TO WATER: 15.94 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 4.1 ☒ LITERS ☐ GALLONS

COLOR: Cloudy ODOR: none

TURBIDITY: ☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1452	DATE: 3/31/25

PH: 8.40 SU CONDUCTIVITY: 2438 umhos/cm

ORP: -237 mV DO: 1.53 mg/L

TURBIDITY: 100 NTU

☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

TEMPERATURE: 9.7 °C OTHER:

COLOR: Cloudy ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: none

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)
1407	100	8.27	3812	-166	10	40	8.8	15.94	INITIAL
1412		8.20	2883	-217	2.41	38	9.5	17.00	.5
1417		8.00	2666	-221	1.88	425	9.7	1746	1
1422		8.06	2657	-224	1.74	216	9.7	17.58	1.5
1427		8.30	2482	-231	1.63	172	9.7	1771	2
1432		8.40	2434	-236	1.59	100	9.8	1796	2.5
1437		8.46	2436	-237	1.58	100	9.7	1795	3
1442		8.46	2438	-237	1.53	100	9.7	1805	3.5
1447		8.46	2438	-237	1.53	100	9.7	1816	4
1452		8.46	2438	-237	1.53	100	9.7	1811	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 </= 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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Cam	DATE SHIPPED:	3/31/25	AIRBILL NUMBER:	NA
COC NUMBER:	NA	SIGNATURE:		DATE SIGNED:	4/1/25

REVISED 04/2019

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: JAVIER J ASSC	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No: 240-131335-43696.1
Client Contact: Mr. Vincent Buening	Phone: 734 904 3316	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 #: ~~539074~~ 2292169			
Email: vbuening@trccompanies.com	WO #: 620070.0000.0000			
Project Name: CCR DTE Belle River Bottom Ash Basins	Project #: 24016463			
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-16-01	3/31/25	1117	6	Water	N	N	X	X	X	3	
MW 16-02	11 11	1154	6	Water	N	N	X	X	X	3	
DUP #01	11 11	—	6	Water	N	N	X	X	X	3	
MW-16-03	11 11	1246	6	Water	N	N	X	X	X	3	
MW-16-04	11 11	1347	6	Water	N	N	X	X	X	3	
MW-16-09	11 11	1452	6	Water	N	N	X	X	X	3	
				Water							

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/31/25 1700			3/31/25 1700	
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:

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sampling
PROJECT NUMBER:	620070.0000.0000
PROJECT MANAGER:	Vince Buening
SITE LOCATION:	4505 King Road China Township, MI 48054
DATES OF FIELDWORK:	10/21/2025 TO 10/22/2025
PURPOSE OF FIELDWORK:	2SA2025 CCR Sampling Event
WORK PERFORMED BY:	A. Whaley, E. Wielgopolski

SIGNED 10/24/25 DATE

CHECKED BY 10/30/25 DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	DATE: 10/21/25	TIME ARRIVED: 0900
PROJECT NUMBER: 620070.0000.0000	AUTHOR: A. Whaley E. Wielgopo	TIME LEFT: 1600

WEATHER

TEMPERATURE: 44-53°F WIND: 5-15 MPH VISIBILITY: Partly Cloudy

WORK / SAMPLING PERFORMED

Water levels, demonstrate well evacuation, Calibrate Sample MW-16-01, MW-16-02, MW-16-03, MW-16-04, and MW-16-07

pH check on DB well MW-16-07

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
None	

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Andrew Whaley	TRC	Technical Coordinator
Narmeen Qureshi	DTE	Site Contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
GW	NM	Purge to ground

Andrew Whaley 10/24/25
SIGNED DATE

[signature] 10-30-25
CHECKED BY DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE: BRPP BABs-DB 2025 S	SAMPLER NAME:	A. Whaley, E. Wielgopolski
PROJECT NO.:	620070.0000.0000		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

HERON DIPPER-T	TRC A2
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	TRC A2
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	0.45 MICRON
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DEDICATED POLY TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	LABORATORY PROVIDED
POTABLE WATER SOURCE	DI WATER SOURCE
SIGNED 10/24/25 DATE	CHECKED BY 10-30-25 DATE

REVISED 04/2019

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sampling	MODEL: YSI Pro DSS	SAMPLER: AW EW
PROJECT NO.:	620070.0000.0000	SERIAL #: Project Dedicated	DATE: 10/21/25

PH CALIBRATION CHECK

pH 7 (LOT #): 5GF1781 (EXP. DATE): Jun/27 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 5GEC612 (EXP. DATE): May/27 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.05 / 7.00	4.00 / 4.00	☒ WITHIN RANGE	1004
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 5GG0322 (EXP. DATE): Jul/26 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1121 / 1121	13.2	☒ WITHIN RANGE	1003
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 25F160369 (EXP. DATE): Jun/30 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
231.2 / 231.2	12.7	☒ WITHIN RANGE	10:12
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
100% / 100%	14.4	☒ WITHIN RANGE	10:16
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 21080074 (EXP. DATE): 9/22 POST-CAL. READING / STANDARD	(LOT #): 21900415 (EXP. DATE): 11/22 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.0 / 0.0	9.97 / 10.00	☒ WITHIN RANGE	10:22
/	/	☐ 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 10/24/25 DATE

CHECKED BY 10.30.25 DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sampling	DATE:	10/21/25
PROJECT NUMBER:	620070.0000.0000	AUTHOR:	A. Whaley, E. Wielgopolski

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-16-01	~~09:32~~ 10:30	TOC	15.52	NM	NA	NM
MW-16-02	09:55		13.04	NM	NA	NM
MW-16-03	09:53		15.60	NM	NA	NM
MW-16-04	09:50		15.63	NM	NA	NM
MW-16-05	09:28		16.53	NM	NA	NM
MW-16-06	09:38		17.18	NM	NA	NM
MW-16-07	09:40		16.33	NM	NA	NM
MW-16-08	09:34		15.45	NM	NA	NM
MW-16-09	09:47		15.90	NM	NA	NM
MW-16-10	09:20		17.38	NM	NA	NM
MW-16-11A	09:45		16.52	NM	NA	NM

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

SIGNED 10-24-25 DATE

CHECKED 10-30-25 DATE

WATER SAMPLE LOG

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER: 620070.0000.0000	BY: AW EW DATE: 10/21/25		BY: HG	DATE: 10-[illegible]25

SAMPLE ID: MW-16-01	WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER
WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL	☐ OTHER
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE	☐ OTHER

PURGING	TIME: 1035	DATE: 10/21/25	SAMPLE	TIME: 1100	DATE: 10/21/25
PURGE METHOD: ☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER			PH: 7.53 SU	CONDUCTIVITY: 1052 umhos/cm	
			ORP: -69.4 mV	DO: 0.46 mg/L	
DEPTH TO WATER: 15.52 T/ PVC			TURBIDITY: 1.29 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NM ☐ LITERS ☐ GALLONS			TEMPERATURE: 11.7 °C	OTHER: —	
VOLUME REMOVED: 5.0 ☒ LITERS ☐ GALLONS			COLOR: Clear	ODOR: Slight	
COLOR: Clear ODOR: None			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY			FILTRATE COLOR:	FILTRATE ODOR:	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☒ DUP- 01	
DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1035	200	6.84	1210	49.3	3.30	2.26	12.6	15.52	INITIAL
1040	↓	7.18	1063	3.8	0.67	1.90	11.9	15.60	1.0
1045		7.38	1056	-30.6	0.60	2.25	11.9	↓	2.0
1050		7.50	1055	-63.9	0.50	1.71	11.8		3.0
1055		7.52	1049	-65.8	0.47	1.43	11.7		4.0
1100		7.53	1052	-69.4	0.46	1.29	11.7		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 </= **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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/23/25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: A. Wiley	DATE SIGNED: 10/24/25

TRC

WATER SAMPLE LOG

PROJECT NAME:	DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER:	620070.0000.0000	BY: AW EW	DATE 10/21/25	BY: AG	DATE: 10-30-25

SAMPLE ID: MW-16-02 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 11:11	DATE: 10/21/25	SAMPLE	TIME: 11:36	DATE: 10/21/25
PURGE METHOD:	☑ PUMP BLADDER PUMP (DEDICATED) ☐ BAILER		PH: 7.40 SU	CONDUCTIVITY: 834	umhos/cm
			ORP: -59.1 mV	DO: 0.51	mg/L
DEPTH TO WATER:	13.04 T/ PVC		TURBIDITY: 1.33 NTU		
DEPTH TO BOTTOM:	NM T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	NM ☐ LITERS ☐ GALLONS		TEMPERATURE: 12.2 °C	OTHER:	None
VOLUME REMOVED:	5.0 ☐ LITERS ☐ GALLONS		COLOR: Clear	ODOR:	None
COLOR:	Clear 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 7.3-8.0 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
11:11	200	7.16	873	-9.5	3.85	1.53	13.5	13.04	INITIAL
11:16	↓	7.00	848	-16.2	0.67	1.29	11.9	13.48	1.0
11:21		7.20	848	-27.6	0.67	1.75	11.9	13.30	2.0
11:26		7.30	838	-40.4	0.65	1.39	12.0	↓	3.0
11:31		7.35	837	-47.6	0.60	1.28	12.2		4.0
11:36		7.40	834	-59.1	0.51	1.33	12.2		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 </= **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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD:	Courier	DATE SHIPPED:	10/23/24/25	AIRBILL NUMBER:	—
COC NUMBER:	—	SIGNATURE:	A. Wheeler	DATE SIGNED:	10/24/25

TRC

WATER SAMPLE LOG

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	PREPARED	CHECKED
PROJECT NUMBER: 620070.0000.0000	BY: AW EW DATE: 10/21/25	BY: DLG DATE: 10-30-25

SAMPLE ID: MW-16-03 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1148	DATE: 10/21/25

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

DEPTH TO WATER: 15.60 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

SAMPLE	TIME: 1213	DATE: 10/21/25

PH: 7.58 SU CONDUCTIVITY: 126 umhos/cm

ORP: -83.0 mV DO: 0.36 mg/L

TURBIDITY: 1.27 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-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH 7.5-8.2 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1148	200	7.06	1231	9.3	4.95	1.51	14.9	15.60	INITIAL
1153	↓	7.01	1221	-11.4	0.64	1.40	12.8	15.72	1.0
1158		7.40	1217	-40.2	0.44	1.71	12.5	15.75	2.0
1203		7.52	1217	-47.3	0.41	1.23	12.6	↓	3.0
1208		7.54	1212	-70.3	0.38	1.36	12.3		4.0
1213	↓	7.58	1216	-83.0	0.36	1.27	12.4		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 </= 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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/23/25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: A. White	DATE SIGNED: 10/24/25

WATER SAMPLE LOG

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	PREPARED	CHECKED
PROJECT NUMBER: 620070.0000.0000	BY: AW EW DATE: 10/21/25	BY: DM DATE: 10-30-25

SAMPLE ID: MW-16-09 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: ~~1223~~ 1223	DATE: 10/21/25

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

DEPTH TO WATER: 15.90 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 5.5 ☒ LITERS ☐ GALLONS

COLOR: Cloudy - Gray ODOR: None

TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

SAMPLE	TIME: 1303	DATE: 10/21/25

PH: 7.74 SU CONDUCTIVITY: 1670 umhos/cm

ORP: -109.1 mV DO: 0.44 mg/L

TURBIDITY: 36.3 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 13.1 °C OTHER: —

COLOR: Cloudy - Gray ODOR: None

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH 7.7-8.6 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1223 ~~1223~~	200	7.48	1803	-7.4	3.74	13.7	13.7	16.20	INITIAL
1228	200	7.44	1822	-70.8	1.07	9.8	13.2	17.10	1.0
1233	200	7.14	1592	-89.1	0.69	46.0	13.2	17.80	2.0
1238	100	7.28	1515	-89.0	0.61	32.2	13.0	18.15	3.0
1243	↓	7.47	1522	-93.5	0.55	20.7	13.1	1839	3.5
1248		7.55	1559	-97.6	0.49	36.2	13.0	18.58	4.0
1253		7.69	1626	-104.5	0.47	36.0	13.0	18.55	4.5
1258		7.72	1632	-106.2	0.50	34.0	13.1	18.50	5.0
1303		7.74	1670	-109.1	0.44	36.3	13.1	18.50	5.5

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 </= 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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/23/25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: A. Wm	DATE SIGNED: 10/24/25

WATER SAMPLE LOG

PROJECT NAME: DTE: BRPP BABs-DB 2025 Sa	PREPARED		CHECKED	
PROJECT NUMBER: 620070.0000.0000	BY: (AW) EW DATE: 10/21/25		BY:	DATE: 10-30-25

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

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

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

PURGING	TIME: 1405	DATE: 10/21/25	SAMPLE	TIME: 1435	DATE: 10/21/25

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

DEPTH TO WATER: 15.63 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6.0 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: Moderate

TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.81 SU CONDUCTIVITY: 1089 umhos/cm

ORP: -194.3 mV DO: 0.29 mg/L

TURBIDITY: 5.69 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.0 °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) 7.6-8.2	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1405	200	7.55	1180	-59.4	2.30	5.54	14.0	15.63	INITIAL
1410		7.14	1112	-83.4	0.66	4.80	13.3	15.70	1.0
1415		7.42	1097	-106.7	0.47	4.94	13.1		2.0
1420		7.60	1085	-139.5	0.37	9.88	12.9		3.0
1425		7.71	1093	-162.0	0.32	6.95	12.8		4.0
1430		7.78	1089	-190.0	0.30	5.91	13.0		5.0
1435		7.81	1089	-194.3	0.29	5.69	13.0		6.0

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 </= **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	60 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 10/23/25	AIRBILL NUMBER: —
COC NUMBER: —	SIGNATURE: A. Wlug	DATE SIGNED: 10/24/25

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: 240-137770-43696.1
Client Contact: Mr. Vincent Buening	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 #: 229274			
Email: vbuening@trccompanies.com	WO #: 620070.0000.0000			
Project Name: CCR DTE Belle River Bottom Ash Basins	Project #: 24016463			
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, DW=Drinking Water)	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-16-01	10/21/25	1100	G	Water	N	N	X	X	X	3	
MW-16-02	10/21/25	1136	G	Water	N	N	X	X	X	3	
MW-16-03	10/21/25	12:13	G	Water	N	N	X	X	X	3	
MW-16-04	10/21/25	14:35	G	Water	N	N	X	X	X	3	
MW-16-09	10/21/25	1303	G	Water	N	N	X	X	X	3	
DUP-1	10/21/25	—	G	Water	N	N	X	X	X	3	
				Water							

Possible Hazard Identification
[X] 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 Level II 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	[signature]	10/21/25 1800	TRC	TRC Storage	10/21/25 1800	TRC
2	[signature]	10/22/25 1000	TRC	[signature]	10-22-25 1303	DATA
3						

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

Ver: 05/06/2024

TRC

PROJECT NAME:	DTE: CCR BRPP BABs 2SA25
PROJECT NUMBER:	620070.0000
PROJECT MANAGER:	Vince Buening
SITE LOCATION:	4505 King Road China Township, MI 48054
DATES OF FIELDWORK:	11/18/2025 ~~TO~~
PURPOSE OF FIELDWORK:	Verification Sampling
WORK PERFORMED BY:	A. Kast

Allison Kast 11/21/25
SIGNED DATE

11-21-25
CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME: DTE: CCR BRPP BABs 2SA25	DATE: 11/18/25	TIME ARRIVED: 0815
PROJECT NUMBER: 620070.0000	AUTHOR: A. Kast	TIME LEFT: 1200

WEATHER

TEMPERATURE: 40 °F WIND: 0-5 MPH VISIBILITY: clear/overcast

WORK / SAMPLING PERFORMED

Arrive on-site; check in w/ Andrew. Check in w/ security & site contacts.

Calibrate meter. Sample MW-16-03 & MW-16-02.

DUP-01V collected at MW-16-03.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
- Ice in water line @ MW-16-03 - CO_2 tank pressure low due to cold; not enough pressure to draw up water	- Pull tubing in car to thaw - wait for ~~tank~~ tank to heat up in car & pressure to increase

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
Vince Buening	TRC	PM - Updates
Andrew Whaley	TRC	Technical Coordinator
Narmeen Q.	DTE	Site contact
Bill Stier	DTE	Site contact

INVESTIGATION DERIVED WASTE SUMMARY

WASTE MATRIX	QUANTITY	COMMENTS
Groundwater	NM	Purged to ground

Andrew Kast 11/21/25
SIGNED DATE

CHECKED BY 11-21-25
DATE

TRC

EQUIPMENT SUMMARY

PROJECT NAME:	DTE: CCR BRPP 2SA25	SAMPLER NAME:	A. Kast
PROJECT NO.:	620070.0000		

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)
GEOTECH DISPOSABLE FILTER	0.45 MICRON
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DEDICATED POLY TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☑ GROUND ☐ DRUM ☐ POTW ☐ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	STORE BOUGHT
POTABLE WATER SOURCE	DI WATER SOURCE
Aylan Kast 11/21/25	11-21-25
SIGNED DATE	CHECKED BY DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	DTE: CCR BRPP BABs 2SA25	MODEL: Pro DSS	SAMPLER: AK
PROJECT NO.:	620070.0000	SERIAL #: TRC A2	DATE: 11/18/25

PH CALIBRATION CHECK

pH 7 (LOT #): 56H1503 (EXP. DATE): 6/27 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 56H2201 (EXP. DATE): 6/27 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.06 / 7.06	4.00 / 4.00	☒ WITHIN RANGE	0845
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 56 60322 (EXP. DATE): 7/26 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1022 / 1022	18	☒ WITHIN RANGE	0848
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 23L100156 (EXP. DATE): 11/07/26 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
245.7 / 245.7	7.5	☒ WITHIN RANGE	0853
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING D.I POST-CAL. READING /SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
100% / 100%	7.1	☐ WITHIN RANGE	0855
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): (EXP. DATE): D.I. POST-CAL. READING / STANDARD	(LOT #): — (EXP. DATE): — POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.00 / 0.00	100 / 100	☒ WITHIN RANGE	0859
/	/	☐ 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

Used project dedicated LaMotte 2020e for turbidity.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

Andy Kost — SIGNED — 11/21/25 — DATE

CHECKED BY — 11-21-25 — DATE

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR BRPP BABs 2SA25	PREPARED		CHECKED	
PROJECT NUMBER: 620070.0000	BY: AK	DATE: 11/18/25	BY: A. Wlud	DATE: 11-21-25

SAMPLE ID: MW-16-02 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1125	DATE: 11/18/25	SAMPLE	TIME: 1145	DATE: 11/18/25

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

DEPTH TO WATER: 13.33 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 4 ☒ LITERS ☐ GALLONS

COLOR: Clear w/ particles ODOR: Slight

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☑ DRUM ☐ OTHER

PH: 7.23 SU | CONDUCTIVITY: 861 umhos/cm

ORP: -57.2 mV | DO: 0.52 mg/L

TURBIDITY: 4.01 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.0 °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 7.0-8.0 (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1125	200	6.18	867	-11.6	0.96	15.93	10.5	13.33	INITIAL
1130		6.20	860	-20.8	0.64	7.42	11.2	13.50	1
1135		7.02	861	-39.6	0.54	4.11	11.0	13.71	2
1140		7.15	861	-49.1	0.54	4.29	10.9	13.89	3
1145		7.23	861	-57.2	0.52	4.01	11.0	13.95	4
			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	250 mL	PLASTIC	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 11/19/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: Autumn Vest	DATE SIGNED: 11/21/25

WATER SAMPLE LOG

PROJECT NAME: DTE: CCR BRPP 2SA25	PREPARED		CHECKED	
PROJECT NUMBER: 620070.0000	BY: AK	DATE: 11/18/25	BY: A. Whaley	DATE: 11-21-25

SAMPLE ID: MW-16-03 | WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 0940	DATE: 11/16/25	SAMPLE	TIME: 1055	DATE: 11/18/25

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

DEPTH TO WATER: 15.80 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: — ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 7 ☒ LITERS ☐ GALLONS

COLOR: clear w/ particulate ODOR: slight

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☑ GROUND ☐ DRUM ☐ OTHER

PH: 7.53 SU CONDUCTIVITY: 1250 umhos/cm

ORP: -83.2 mV DO: 0.57 mg/L

TURBIDITY: 3.23 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 8.5 °C OTHER: —

COLOR: clear ODOR: moderate

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: — FILTRATE ODOR: —

QC SAMPLE: ☐ MS/MSD ☒ DUP- 01 V

COMMENTS: CO_2 tank pressure low due to cold

TIME	PURGE RATE (ML/MIN)	PH 7.5-8.2 (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	6.83	1205	-48.6	5.05	10.77	8.5	15.80	INITIAL
0945		7.04	1250	-61.7	3.47	8.61	7.7	16.19	1
0950		7.21	1258	-82.4	2.34	19.90	6.6	16.20	2
—	—	— SWAP CO_2 TANKS/ WAIT FOR TANK TO WARM —						16.20	—
1035		7.49	1247	-72.3	1.76	11.33	7.2	16.20	3
1040		7.51	1250	-80.1	1.08	8.72	7.9	16.20	4
1045		7.52	1249	-81.3	0.72	4.36	8.1	16.20	5
1050		7.52	1249	-82.0	0.64	3.79	8.3	16.20	6
1055		7.53	1250	-83.2	0.57	3.23	8.5	16.20	7

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	250 mL	PLASTIC	B	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: courier	DATE SHIPPED: 11/19/25	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: Adam Kost	DATE SIGNED: 11/21/25

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. Kast	Lab PM: Brooks, Kris M	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Vincent Buening	Phone:	E-Mail: Kris.Brooks@et.eurofinsus.com	State of Origin: MI	Page: Page 1 of 1
Company: TRC Environmental Corporation.	PWSID:			Job #:

Address: 1540 Eisenhower Place	Due Date Requested:	Analysis Requested	Preservation Codes: D - HNO3 N - None
City: Ann Arbor	TAT Requested (days): 3 Day TAT		
State, Zip: MI, 48108-7080	Compliance Project: Δ Yes Δ No		
Phone: 313-971-7080(Tel) 313-971-9022(Fax)	PO #: 229269		
Email: vbuening@trccompanies.com	WO #:		
Project Name: CCR DTE BRPP BABs	Project #: 620070.0000		Other:
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - (MOD) Metals - Calcium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
MW-16-02	11/18/25	1145	G	Water	N	N	X	1	
MW-16-03	"	1055	G	Water	N	N	X	1	
DUP-01V	"		G	Water	N	N	X	1	

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 EQUIS EDD

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/18/25 1344	TRC	TRC Fridge	11/18/25 1344	TRC
Relinquished by:	11/18/25 1203	TRC		11-19-25 1203	BETA
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:

Appendix C
Data Quality Reviews

Laboratory Data Quality Review
Groundwater Monitoring Event April 2025 (Detection Monitoring)
DTE Electric Company Belle River Power Plant (DTE BRPP)

Groundwater samples were collected by TRC for the April 2025 sampling event for the Bottom Ash Basin at the DTE BRPP. Samples were analyzed for anions, total and/or dissolved metals, and total dissolved solids by Eurofins Cleveland, located in Barberton, Ohio. The laboratory analytical results are reported in laboratory report 240-221548-1 (revision 1, dated 6/4/2025).

During the April 2025 sampling event, a groundwater sample was collected from each of the following wells:

Bottom Ash Basins:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-16-04
- MW-16-09*

**Total and dissolved metals were analyzed*

Each sample was analyzed for one or more of the following constituents:

Analyte Group	Method
Anions (Chloride, Fluoride, Sulfate)	SW846 9056A
Total and/or Dissolved Boron	SW846 3005A/6010D
Total and/or Dissolved 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 a detection monitoring program.
- Data are usable for the purposes of the detection monitoring program.

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.
  - The laboratory noted that dissolved metals bottles were received and marked as “filtered” for sample MW-16-09; it was unclear if the sample was field filtered or not on the COC. The laboratory analyzed both total and dissolved metals for this sample; however, there was no preserved volume listed on the Login Container Summary Report for total metals for this sample. The field staff was contacted about this issue and confirmed that both total and dissolved metals analyses were required on this sample; the laboratory preserved an aliquot of unpreserved sample volume for total metals analysis of this sample. A revised laboratory report was received on 6/4/2025 that indicates which samples were field filtered and which samples were preserved by the laboratory for total metals.

- All preparation and analysis holding time requirements were met.
- Target analytes were not detected in the method blanks.
- A field blank and equipment blank were not submitted with this data set.
- LCS recoveries for all target analytes were within laboratory control limits.
- MS/MSD analyses were performed on sample MW-16-01 for total boron, total calcium, and total iron. All criteria were met.
- A laboratory duplicate analysis was not performed on a sample from this data set.
- Samples DUP-01/MW-16-03 were submitted as the field duplicate pair with this data set; all criteria were met.
- No issues were noted for the total and dissolved results comparison for sample MW-16-09.
- 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-16-01, MW-16-02, DUP-01, and MW-16-04 were diluted 5-fold for chloride; and
  - Samples MW-16-03 and MW-16-09 were diluted 10-fold for chloride.

The dilutions were likely performed due to exceeding the calibration range in undiluted analysis. The listed analytes were detected in the diluted samples and there is no adverse impact on data usability.

Laboratory Data Quality Review
Groundwater Monitoring Event October 2025 (Detection Monitoring)
DTE Electric Company Belle River Power Plant (DTE BRPP)

Groundwater samples were collected by TRC for the October 2025 sampling event for the Bottom Ash Basin at the DTE BRPP. 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 240-236103-1.

During the October 2025 sampling event, a groundwater sample was collected from each of the following wells:

Bottom Ash Basins:

- MW-16-01
- MW-16-02
- MW-16-03
- MW-16-04
- MW-16-09

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 will be utilized for the purposes of a statistical program.
- Data are usable for the purposes of the monitoring program.

QA/QC Sample Summary

- Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC.
  - 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 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.
- A field blank and equipment blank were not submitted with this data set.
- LCS recoveries for all target analytes were within laboratory control limits.
- MS/MSD analyses were performed on sample MW-16-01 for boron, and calcium. All criteria were met.
- A laboratory duplicate analysis was not performed on a sample from this data set.

- Samples DUP-01/MW-16-01 were submitted as the field duplicate pair with this data set; all criteria were met.
- 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-16-01, MW-16-02, MW-16-03, MW-16-04, and DUP-1 were diluted 5-fold for chloride; and
  - Sample MW-16-09 was diluted 10-fold for chloride.
- These dilutions were likely performed due to concentrations of chloride that exceeded the calibration range in the undiluted analysis. Chloride was detected in the diluted samples and thus, there is no adverse impact on data usability.

Laboratory Data Quality Review
Groundwater Monitoring Event November 2025 (Detection Monitoring)
DTE Electric Company Belle River Power Plant (DTE BRPP)

Groundwater samples were collected by TRC for the November 2025 verification sampling event for the Bottom Ash Basin at the DTE BRPP. Samples were analyzed for total calcium by Eurofins Cleveland, located in Barberton, Ohio. The laboratory analytical results are reported in laboratory report 240-238292-1.

During the November 2025 verification sampling event, a groundwater sample was collected from each of the following wells:

Bottom Ash Basins:

- MW-16-02
- MW-16-03

Each sample was analyzed for the following constituent:

Analyte Group	Method
Total Calcium	SW846 3005A/6020B

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

QA/QC Sample Summary

- Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC. No issues were noted.
- The cooler temperatures were between 0-6°C and samples were properly preserved with acid.
- All preparation and analysis holding time requirements were met.
- Calcium was not detected in the method blank.
- A field blank and equipment blank were not submitted with this data set.
- The LCS recovery for calcium was within laboratory control limits.
- MS/MSD analyses were not performed on a sample from this data set.
- A laboratory duplicate analysis was not performed on a sample from this data set.
- Samples DUP-01V/MW-16-03 were submitted as the field duplicate pair with this data set; all criteria were met.
- The RLs met the project requirements and were deemed suitable for data usability
- There were no dilutions performed on the samples in this data set.