Prepared for
We Energies

Date
January 31, 2026

Project No.
1940114239

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

CALEDONIA ASH LANDFILL

RAMBOLL Bright ideas. Sustainable change.

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL

Project name	**Caledonia Ash Landfill**
Project no.	**1940114239**
Recipient	**We Energies**
Document type	**Annual CCR Groundwater Monitoring and Corrective Action Report**
Revision	**FINAL**
Date	**January 31, 2026**
Prepared by	**Kyle J. Schaefer**
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Approved by	**Nathaniel R. Keller, PG**

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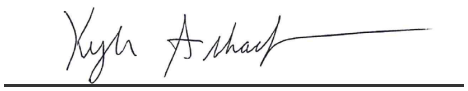

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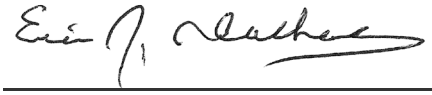

Eric J. Tlachac, PE
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ACRONYMS AND ABBREVIATIONS

§	Section
40 C.F.R.	Title 40 of the Code of Federal Regulations
ACL	Alternative Concentration Limit
CAL	Caledonia Ash Landfill
CCR	coal combustion residuals
ES	Enforcement Standard
ESAP	Environmental Sampling and Analysis Plan
mg/L	milligrams per liter
NA	not applicable
NRT/OBG	Natural Resource Technology, Inc., an OBG Company
PAL	Preventive Action Limit
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SO_4	sulfate
TBD	to be determined
TDS	total dissolved solids
WDNR	Wisconsin Department of Natural Resources
Wis. Adm. Code	Wisconsin Administrative Code

EXECUTIVE SUMMARY

On August 1, 2022, the Wisconsin Department of Natural Resources (WDNR) updated Wisconsin Administrative Code (Wis. Adm. Code) NR 500 to include additional requirements for new and existing Coal Combustion Residual (CCR) Landfills in the State of Wisconsin. This report has been prepared to provide the information required by Ch. NR 507.15(3)(m) for Caledonia Ash Landfill (CAL, License #3232) located in Caledonia, Wisconsin.

In accordance with the August 1, 2022 revisions to Ch. NR 500 Wis. Adm. Code, a Plan of Operation Modification (Plan Mod), including an Environmental Sampling and Analysis Plan (ESAP) Addendum, was prepared as required in Ch. NR 514.045 for the above referenced CCR landfill and submitted to WDNR by February 1, 2023 for review and approval.

- WDNR determined in a letter dated April 28, 2023 that the Plan Mod was incomplete and requested additional information. A revised Plan Mod was prepared and submitted on December 13, 2023.
- WDNR determined in a letter dated March 12, 2024 that the revised Plan Mod was incomplete and requested additional information. Following this request, a second revision to the Plan Mod was prepared and submitted on August 23, 2024.
- On November 14, 2024, a notification letter from WDNR provided concurrence on completeness of the Plan Mod. A virtual meeting was held on December 10, 2024, allowing public comment on the Plan Mod. and the public comment period remained open until January 20, 2025. The department received no written comments from the public regarding the proposed Plan Mod.
- On November 17, 2025, WDNR provided a DRAFT Conditional Plan Mod Approval. A 30-day public comment period was held between November 17, 2025, and December 17, 2025, to comply with s. NR 514.045(4), Wis. Adm. Code.
- On December 23, 2025, WDNR provided a final Conditional Plan Mod Approval.

Beginning in 2016, sampling at CAL was completed in accordance with the Detection Monitoring Program requirements specified in Title 40 of the Code of Federal Regulations (40 C.F.R.) Section (§) 257.94. Following the updates to Ch. NR 500 Wis. Adm. Code in 2022, groundwater sampling has been completed in accordance with Ch. NR 507.15(3)(L) (Detection Monitoring) since 2023.

Comparisons of the concentrations of detected parameters to Ch. NR 140 groundwater quality standards (Preventive Action Limits [PALs] and Enforcement Standards [ESs]) were not completed in 2025 because these standards for some Detection Monitoring Parameters are calculated based upon site-specific baseline monitoring data (e.g., Field Specific Conductance, Total Alkalinity, Total Hardness, Total Calcium, and Total Dissolved Solids). Values for these standards were proposed in the Plan Mod only recently approved. Alternative Concentration Limits (ACLs) for sone Detection Monitoring parameters (Total Boron, Total Fluoride, and Total Sulfate) were also proposed in the Plan Mod recently approved.

No changes were made to the monitoring system in 2025 (no wells were installed or decommissioned).

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of We Energies to provide the information required by Ch. NR 507.15(3)(m) at CAL (License #3232) located in Caledonia, WI.

In accordance with Ch. NR 507.15(3)(m), the owner or operator of a CCR landfill must prepare an Annual Groundwater Monitoring and Corrective Action Report for the preceding calendar year that documents the status of the Groundwater Monitoring and Corrective Action Program for the CCR landfill (**Section 2**), summarizes key actions completed (**Section 3**), describes any problems encountered, discusses actions to resolve the problems (**Section 4**), and projects key activities for the upcoming year (**Section 5**). At a minimum, the annual report must contain the following information, to the extent available:

1. A map, aerial image, or diagram showing the CCR landfill and all upgradient and downgradient monitoring wells, including the well identification numbers, that are part of the groundwater monitoring for the CCR landfill (**Figure 1**).
2. Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (**Section 3**).
3. In addition to all the monitoring data obtained under Ch. NR 507.15(3)(L) (**Tables 1 and 2**), a summary including the number of groundwater samples that were collected for analysis for each upgradient and downgradient well, the dates the samples were collected, and whether the sample was required by Detection Monitoring or Assessment Monitoring (**Section 3 and Table A**).
4. A narrative discussion of any transition between monitoring including the date and circumstances for transitioning from Detection Monitoring to Assessment Monitoring (**Section 2**) in addition to identifying any constituents detected above Ch. NR 140 standards (**Table A**).
5. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action for the CCR landfill (**Executive Summary**). At a minimum, the summary shall include all of the following:
    i. At the start of the current annual reporting period, whether the CCR landfill was operating under Detection Monitoring or Assessment Monitoring.
    ii. At the end of the current annual reporting period, whether the CCR landfill was operating under Detection Monitoring or Assessment Monitoring.
    iii. If it was determined by the owner or operator that there was a groundwater quality exceedance under Ch. NR 140 for one or more constituents listed under Ch. NR 507 Appendix I for CCR wells, a listing of those constituents, the names of the monitoring wells associated with the exceedances, and the date when the Assessment Monitoring was initiated for the CCR landfill.

iv. If corrective action measures were required, the date when the assessment of corrective measures was initiated for the CCR landfill, the date when the public informational hearing under Ch. NR 508.06(3)(e) was held for the discussion of the results of the remedial action options report, and the date when the assessment of corrective measures was completed.

v. If a remedy was required under Ch. NR 508 during the annual reporting period, the date of remedy selection, and whether remedial activities were initiated or are ongoing during the annual reporting period.

This report provides the required information for CAL for calendar year 2025.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

As required in Ch. NR 514.045, a Plan Mod, including an ESAP Addendum, was prepared for CAL to fulfill additional requirements related to the August 1, 2022 revisions to Ch. NR 500 and submitted to WDNR by February 1, 2023 for review and approval.

- WDNR determined in a letter dated April 28, 2023 that the Plan Mod was incomplete and requested additional information. A revised Plan Mod was prepared and submitted on December 13, 2023.
- WDNR determined in a letter dated March 12, 2024 that the revised Plan Mod was incomplete and requested additional information. Following this request a second revision to the Plan Mod was prepared and submitted on August 23, 2024.
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- On November 17, 2025, WDNR provided a DRAFT Conditional Plan Mod Approval letter. A 30-day public comment period was held between November 17, 2025, and December 17, 2025, to comply with s. NR 514.045(4), Wis. Adm. Code.
- On December 23, 2025, WDNR provided a final Conditional Plan Mod Approval.

Comparisons of the concentrations of detected parameters to Ch. NR 140 groundwater quality standards (Preventive Action Limits [PALs] and Enforcement Standards [ESs]) were not completed in 2025 because these standards for some Detection Monitoring Parameters are calculated based upon site-specific baseline monitoring data (e.g., Field Specific Conductance, Total Alkalinity, Total Hardness, Total Calcium, and Total Dissolved Solids). Values for these standards were proposed in the Plan Mod and only recently approved. Alternative Concentration Limits (ACLs) for some Detection Monitoring parameters (Total Boron, Total Fluoride, and Total Sulfate) were also proposed in the Plan Mod recently approved. Accordingly, no changes have occurred to the monitoring program status in calendar year 2025.

Beginning in 2016, sampling at CAL was completed in accordance with the Detection Monitoring Program requirements specified in Title 40 of the Code of Federal Regulations (40 C.F.R.) Section (§) 257.94. Following updates to the Wis. Adm. Code in 2022, groundwater sampling has been completed in accordance with Ch. NR 507.15(3)(L) (Detection Monitoring).

3. KEY ACTIONS COMPLETED IN 2025

The Detection Monitoring Program is summarized in **Table A** on the following page. The groundwater monitoring system, including the CCR unit and all background (upgradient) and downgradient monitoring wells, is presented in **Figure 1**. No changes were made to the monitoring system in 2025.

In general, one groundwater sample was collected from each background and downgradient well during each monitoring event. All samples were collected and analyzed in accordance with the *Sampling and Analysis Plan* (SAP)*, Revision 1, Caledonia Ash Landfill* (Ramboll, 2023) submitted as Appendix B of the ESAP Addendum. Potentiometric surface maps for both monitoring events in 2025 are included in **Figures 2 and 3**. Average linear groundwater velocity was calculated for each monitoring event as noted in the tabular summary provided with each potentiometric surface map. Water level data, collected from background and downgradient monitoring wells, are included in **Table 1**. All monitoring data and analytical results obtained under Ch. NR 507.15(3)(L) in 2025 are presented in **Table 2**. Laboratory reports for all 2025 monitoring events are included in **Appendix A**. Results for analysis of additional samples required by Ch. NR 507 are included in some reports because they were collected during the same sampling events, but are not summarized in this report.

In 2025, additional sampling was completed to establish baseline groundwater quality for Radium-226 and -228 combined at wells W49 and W50.

In 2025, groundwater sampling was completed in accordance with Ch. NR 507.15(3)(L).

Table A. 2025 Detection Monitoring Program Summary

Sampling Date	Purpose	Analytical Data Receipt Date	Parameters Analyzed
February 27, 2025	Baseline Sampling	March 28, 2025	Wells W49 & W50 (Radium)
May 29, 2025	Detection Monitoring	July 24, 2025	Ch. NR 507 App A Tables 1A
November 11-12, 2025	Detection Monitoring	January 8, 2025	Ch. NR 507 App A Table 1A
	Baseline Sampling	January 8, 2025	Wells W49 & W50 (Radium)

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the Groundwater Monitoring Program during 2025. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2026

The following key activities are planned for 2026:

- Detection Monitoring in accordance with Ch. NR 507.15(3)(L) with semi-annual sampling scheduled for the second and fourth quarters of 2026.
- Complete evaluation of groundwater analytical data against Ch. NR 140 standards including Preventive Action Limits, Enforcement Standards, and/or ACLs, approved by WDNR.
- A notification will be provided to WDNR within 90 days of the end of the sampling period when results indicate concentrations have attained or exceeded groundwater standards in accordance with Ch. NR 507.30. The notification shall specify the parameters that have attained or exceeded standards, the wells at which the standards (PAL, ES, or ACL) were attained or exceeded, and provide a preliminary analysis of the cause and significance of each concentration in accordance with Chs. NR 140.24(1)(a) or 140.26(1)(a). The notification shall also include the intent to either begin assessment monitoring or determine whether a false exceedance occurred.
- As described in Chs. NR 508.06(1)(c) and NR 507.28(3), if a groundwater standard exceedance is detected in a CCR well, a demonstration may be completed and submitted within 60 days of detecting the exceedance to indicate if a source other than CAL is the cause or the exceedance is due to an error.
  - If WDNR concurs with the false exceedance demonstration within 30 days of receipt, Detection Monitoring will continue.
  - If WDNR does not concur within 30 days, an Assessment Monitoring Program in accordance with Ch. NR 508.06(2) will be initiated.

6. REFERENCES

Ramboll Americas Engineering Solutions, Inc., 2023, *Sampling and Analysis Plan - Revision 1, Caledonia Ash Landfill, Caledonia, Wisconsin.* December 12, 2023.

TABLES

TABLE 1
GROUNDWATER ELEVATIONS
2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA, WI

Well ID	Well Type	Latitude (Decimal degrees)	Longitude (Decimal degrees)	Date	Groundwater Elevation (ft NAVD88)
W46D	Background (Upgradient/Side-gradient)	42.83840	-87.84685	5/29/2025	655.91
				11/10/2025	654.18
W48	Background (Upgradient)	42.83564	-87.84441	5/29/2025	656.98
				11/10/2025	655.29
W08D	Compliance (Downgradient)	42.83621	-87.83965	5/29/2025	655.51
				11/10/2025	654.14
W09D	Compliance (Downgradient)	42.83892	-87.83924	5/29/2025	654.96
				11/10/2025	653.13
W10D	Compliance (Downgradient)	42.83985	-87.84015	5/29/2025	654.25
				11/10/2025	652.62
W49	Compliance (Downgradient)	42.83987	-87.84187	5/29/2025	654.66
				11/10/2025	652.98
W50	Compliance (Downgradient)	42.83751	-87.83865	5/29/2025	654.97
				11/10/2025	653.44

Notes:
ft = foot/feet
NAVD88 = North American Vertical Datum of 1988

Caledonia
Table 2. Analytical Results - Baseline and CCR Parameters

Date Range: 02/27/2025 to 12/31/2025

Well Id	Date Sampled	Lab Id	Alkalinity, lab, mg/L	Boron, total, mg/L	Calcium, total, mg/L	Chloride, total, mg/L	Fluoride, total, mg/L	Hardness, tot, mg/L
W08D	5/29/2025	AE79042	130.0	0.469	49.2	11.0	0.43	215.00
	11/11/2025	AE82964	163.0	0.442	49.4	12.1	1.20	215.00
W09D	5/29/2025	AE79043	120.0	0.432	19.2	4.1	0.50	91.10
	11/11/2025	AE82965	142.0	0.472	18.6	4.6	1.30	84.30
W10D	5/29/2025	AE79044	120.0	0.441	21.0	4.0	0.44	86.40
	11/11/2025	AE82966	139.0	0.437	20.7	4.2	1.20	85.10
W46D	5/29/2025	AE79045	140.0	0.364	24.7	5.6	0.31	124.00
	11/12/2025	AE82967	156.0	0.376	24.4	5.4	1.10	122.00
W48	5/29/2025	AE79046	210.0	0.380	26.2	3.8	0.07	136.00
	11/12/2025	AE82968	232.0	0.394	26.2	4.0	0.94	136.00
W49	5/29/2025	AE79047	110.0	0.465	16.1	4.3	0.55	68.80
	11/12/2025	AE82969	122.0	0.482	16.2	4.7	1.40	69.50
W50	5/29/2025	AE79048	130.0	0.535	28.1	5.0	0.26	114.00
	11/12/2025	AE82970	155.0	0.541	25.5	6.0	1.20	104.00

Caledonia
Table 2. Analytical Results - Baseline and CCR Parameters

Date Range: 02/27/2025 to 12/31/2025

Well Id	Date Sampled	Lab Id	pH (Field), SU	Radium 226 + radium 228,, pCi/L	Sulfate, total, mg/L	TDS, mg/L
W08D	5/29/2025	AE79042	7.7		210.0	464
	11/11/2025	AE82964	7.5		212.0	404
W09D	5/29/2025	AE79043	8.3		37.0	210
	11/11/2025	AE82965	7.7		29.0	202
W10D	5/29/2025	AE79044	8.1		42.0	228
	11/11/2025	AE82966	7.8		42.4	244
W46D	5/29/2025	AE79045	7.6		35.0	222
	11/12/2025	AE82967	7.3		32.8	214
W48	5/29/2025	AE79046	8.1		0.9	206
	11/12/2025	AE82968	7.7		<0.9	226
W49	2/27/2025	AE77287r		0.744		
	5/29/2025	AE79047	8.1		51.0	206
	11/12/2025	AE82969	7.1		52.7	228
		AE82969R		<0.765		
W50	2/27/2025	AE77286r		0.715		
	5/29/2025	AE79048	7.8		79.0	306
	11/12/2025	AE82970	7.8		82.5	246
		AE82970R		<0.551		

Notes:

Exceedance of NR 140 Groundwater Quality Standard.
ACLs for these parameters were requested in the Plan of Operation Modification required by Ch. NR 514.045.

Caledonia
Table 2. Analytical Results - Baseline and CCR Parameters

Date Range: 11/01/2024 to 12/31/2025

Well Id	Date Sampled	Lab Id	pH (Field), SU	Radium 226 + radium 228,, pCi/L	Sulfate, total, mg/L	TDS, mg/L
W08D	11/6/2024	AE75298	7.7		208.0	890
	5/29/2025	AE79042	7.7		210.0	464
	11/11/2025	AE82964	7.5		212.0	404
W09D	11/6/2024	AE75299	8.3		39.2	260
	5/29/2025	AE79043	8.3		37.0	210
	11/11/2025	AE82965	7.7		29.0	202
W10D	11/6/2024	AE75300	8.1		42.7	480
	5/29/2025	AE79044	8.1		42.0	228
	11/11/2025	AE82966	7.8		42.4	244
W46D	11/6/2024	AE75301	7.7		34.8	520
	5/29/2025	AE79045	7.6		35.0	222
	11/12/2025	AE82967	7.3		32.8	214
W48	11/6/2024	AE75302	8.1		<0.4	440
	5/29/2025	AE79046	8.1		0.9	206
	11/12/2025	AE82968	7.7		<0.9	226

Caledonia
Table 2. Analytical Results - Baseline and CCR Parameters

Date Range: 11/01/2024 to 12/31/2025

			pH (Field), SU	Radium 226 + radium 228,, pCi/L	Sulfate, total, mg/L	TDS, mg/L
W49	11/6/2024	AE75303	8.0		51.9	830
	2/27/2025	AE77287r		0.744		
	5/29/2025	AE79047	8.1		51.0	206
	11/12/2025	AE82969	7.1		52.7	228
		AE82969R		<0.765		
W50	11/6/2024	AE75304	7.7		78.4	1200
	2/27/2025	AE77286r		0.715		
	5/29/2025	AE79048	7.8		79.0	306
	11/12/2025	AE82970	7.8		82.5	246
		AE82970R		<0.551		

FIGURES

Y:\GIS\Projects\161\660\CALEDONIA\MXD\GM_CAR_2023\Figure 1_GW Samp Well Loc_Caledonia.mxd

PROJECT: 71202 | DATED: 1/30/2024 | DESIGNER: GALARNMC

CCR RULE BACKGROUND MONITORING WELL LOCATION

CCR RULE DOWNGRADIENT MONITORING WELL LOCATION

CCR RULE UPGRADIENT MONITORING WELL LOCATION

UNIT BOUNDARY

NOTES

IMAGERY DATE = 5/1/2022

0 200 400 Feet

MONITORING WELL LOCATION MAP

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA POWER PLANT
CALEDONIA, WISCONSIN

FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

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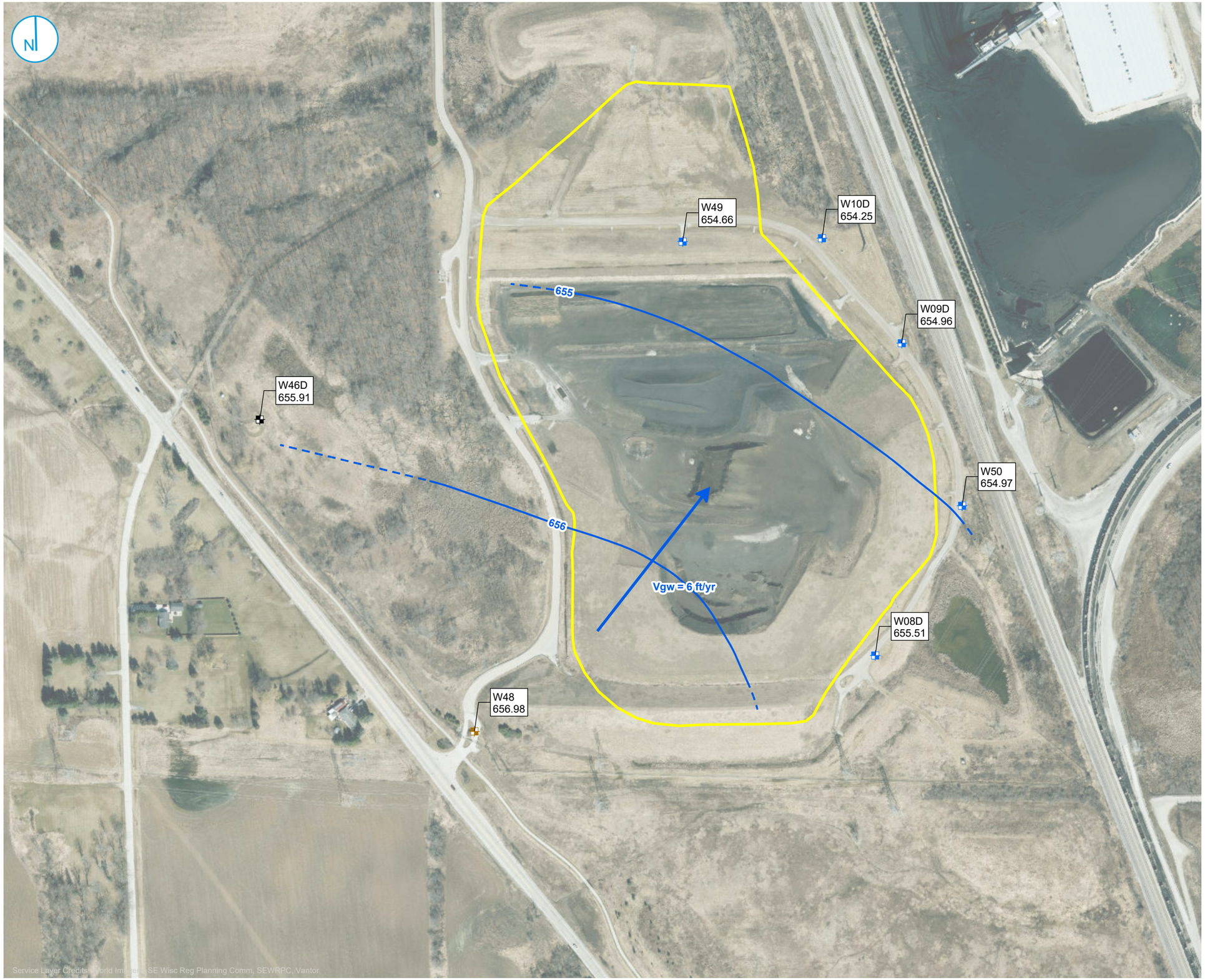

CCR RULE BACKGROUND MONITORING WELL LOCATION

CCR RULE DOWNGRADIENT MONITORING WELL LOCATION

CCR RULE UPGRADIENT MONITORING WELL LOCATION

UNIT BOUNDARY

GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

NOTES
Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
IMAGERY DATE = 3/11/2024

0 150 300
Feet

POTENTIOMETRIC SURFACE MAP MAY 29, 2025

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA POWER PLANT
CALEDONIA, WISCONSIN

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC

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PROJECT: 1940114239 | DATED: 1/22/2026 | DESIGNER: PWYSIATKO

GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS
CALEDONIA ASH LANDFILL
CALEDONIA, WISCONSIN

May 2025 **$V = K\,i\,/\,n_e$**

V = Groundwater Velocity
K = Hydraulic Conductivity
i = Hydraulic Gradient (unitless value)
n_e = Effective Porosity

UPPERMOST AQUIFER

Contours	**656**	**to**	**655**	**Northeast Across the Landfill**	Elevation		Distance	
K =	1.04E+03	ft/yr	Geometric mean for Landfill		Change		Change	
i =	0.001		between contours identified above		(ft)		(ft)	
n_e =	25	%			1	/	700	0.001

$$V = \frac{1.04E+03 * 1.43E-03}{0.25}$$

V = 6 feet/year

[O: KJS 6/27/2025, C:NRK 1/22/2026]

- CCR RULE BACKGROUND MONITORING WELL LOCATION
- CCR RULE DOWNGRADIENT MONITORING WELL LOCATION
- CCR RULE UPGRADIENT MONITORING WELL LOCATION
- UNIT BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES
Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
IMAGERY DATE = 3/11/2024

0 150 300
Feet

POTENTIOMETRIC SURFACE MAP NOVEMBER 10, 2025

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA POWER PLANT
CALEDONIA, WISCONSIN

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC

RAMBOLL

GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS
CALEDONIA ASH LANDFILL
CALEDONIA, WISCONSIN

November 2025 **$V = K\,i\,/\,n_e$**

V = Groundwater Velocity
K = Hydraulic Conductivity
i = Hydraulic Gradient (unitless value)
n_e = Effective Porosity

UPPERMOST AQUIFER

Contours	**655**	**to**	**654**	**Northeast Across the Landfill**	Elevation Change (ft)		Distance Change (ft)	
K =	1.04E+03	ft/yr	Geometric mean for Landfill					
i =	0.001		between contours identified above			1	/ 812	0.001
n_e =	25	%						

$$V = \frac{1.04E+03 * 1.23E-03}{0.25}$$

V = 5 feet/year

[O: KJS 11/14/2025, C: NRK 1/22/2026]

APPENDICES

APPENDIX A
LABORATORY REPORTS

To: Eric Kovatch
PSB Annex A231

From: WEC Business Services
Laboratory Services PSBA-A070
WDNR Cert # 241329000

Report Date: Wednesday, March 5, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W08D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77281 Sample Collection Date/Time: 02/27/2025 11:09
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	44.43	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	8.8	0.1	Degrees (		1		TEMP	2/27/25	N DUDA
Field Conductivity	701	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.5	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	706	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W09D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77282 Sample Collection Date/Time: 02/27/2025 10:31
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	54.92	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.1	0.1	Degrees (		1		TEMP	2/27/25	N DUDA
Field Conductivity	342	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	250	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W10D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77283 Sample Collection Date/Time: 02/27/2025 09:45
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	50.06	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.8	0.1	Degrees (		1		TEMP	2/27/25	N DUDA
Field Conductivity	343	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA

Report Date: Wednesday, March 5, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W10D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77283 Sample Collection Date/Time: 02/27/2025 09:45
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Dissolved Solids	220	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W46D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77284 Sample Collection Date/Time: 02/27/2025 08:20
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.85	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.8	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	369	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.4	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	218	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W48 Caledonia Landfill Semi Annual Sample**
Sample ID: AE77285 Sample Collection Date/Time: 02/27/2025 08:59
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	60.45	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	8.9	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	415	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.8	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	386	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Report Date: Wednesday, March 5, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W50 Caledonia Landfill Semi Annual Sample**
Sample ID: AE77286 Sample Collection Date/Time: 02/27/2025 11:55
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	41.27	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.1	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	453	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	272	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA
Sendout Analysis	PENDING				1			12/30/99	

Sample Comments:

Sample Description: **W49 Caledonia Landfill Semi Annual Sample**
Sample ID: AE77287 Sample Collection Date/Time: 02/27/2025 12:56
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	64.47	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.3	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	341	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	230	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA
Sendout Analysis	PENDING				1			12/30/99	

Sample Comments:

LOD and LOQ are adjusted for dilution factor.
'J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

If there are any questions concerning this report, please contact Lab Services: 414-221-4595

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

March 28, 2025

Christina Walker
WE Energies
333 W Everette St
Milwaukee, WI 53203

RE: Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

Dear Christina Walker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 01, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: WE Energies Lab Reports, WE Energies
MARK METCALF, WEC Business Services, LLC.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40291466001	**W50 (AE77286)**	Water	02/27/25 00:00	03/01/25 08:55
40291466002	**W49 (AE77287)**	Water	02/27/25 00:00	03/01/25 08:55

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SAMPLE ANALYTE COUNT

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40291466001	**W50 (AE77286)**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40291466002	**W49 (AE77287)**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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(920)469-2436

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

Sample: W50 (AE77286) **Lab ID: 40291466001** Collected: 02/27/25 00:00 Received: 03/01/25 08:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.195 ± 0.304 (0.734) C:NA T:91%**	pCi/L	03/23/25 16:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.715 ± 0.436 (0.812) C:72% T:91%**	pCi/L	03/24/25 14:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.715 ± 0.740 (1.55)**	pCi/L	03/28/25 10:54	7440-14-4	

Sample: W49 (AE77287) **Lab ID: 40291466002** Collected: 02/27/25 00:00 Received: 03/01/25 08:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.293 ± 0.384 (0.884) C:NA T:87%**	pCi/L	03/23/25 16:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.744 ± 0.411 (0.737) C:69% T:96%**	pCi/L	03/24/25 14:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.744 ± 0.795 (1.62)**	pCi/L	03/28/25 10:54	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL - RADIOCHEMISTRY

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

QC Batch: 730991
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 40291466001, 40291466002

METHOD BLANK: 3558568 Matrix: Water
Associated Lab Samples: 40291466001, 40291466002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.357 ± 0.359 (0.566) C:NA T:94%	pCi/L	03/23/25 16:31	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL - RADIOCHEMISTRY

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

QC Batch: 730994
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 40291466001, 40291466002

METHOD BLANK: 3558577 Matrix: Water
Associated Lab Samples: 40291466001, 40291466002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.829 ± 0.447 (0.778) C:77% T:70%	pCi/L	03/27/25 10:29	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

DEFINITIONS

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Q-6005-001005 CALEDONIA LANDFI
Pace Project No.: 40291466

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40291466001	**W50 (AE77286)**	EPA 903.1	730991		
40291466002	**W49 (AE77287)**	EPA 903.1	730991		
40291466001	**W50 (AE77286)**	EPA 904.0	730994		
40291466002	**W49 (AE77287)**	EPA 904.0	730994		
40291466001	**W50 (AE77286)**	Total Radium Calculation	735956		
40291466002	**W49 (AE77287)**	Total Radium Calculation	735956		

Pace® Location Requested (City/State):
Pace Analytical Wisconsin
1241 Bellevue St, STE 9
Green Bay, WI 54302

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

40291466

Scan QR Code for instructions

Company Name:	Wisconsin Public Service	Contact/Report To:	Christina Walker
Street Address:	333 W. Everett St. Milwaukee, WI 53203	Phone #:	920-433-1833
		E-Mail:	christina.walker@wecenergygroup.com
		Cc E-Mail:	
Customer Project #:	Q-6005-001005	Invoice To:	Accounts Payable
Project Name:	Caledonia Landfill	Invoice E-Mail:	invoicecollector@wecenergygroup.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	4710002585
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

County / State origin of sample(s): WI

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable: Groundwater

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [X] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers Plastic	Number & Type of Containers Glass	Radium 226 and 228										Sample Comment
										Specify Container Size **										
										1										
										Identify Container Preservative Type***										
										2										
										Analysis Requested										
W50 (AE77286)	GW	G			2/27/2025	0:00	--	2	-	X										001
W49 (AE77287)	GW	G			2/27/2025	0:00	--	2	-	X										002

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:

Sameer Ansari 02/28/25

Collected By:
Nate Duda - Ramboll
Signature: Not Available

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1	145	-0.5	0.5	0.0

Relinquished by/Company: (Signature) Sameer Ansari	Date/Time: 8:30	Received by/Company: (Signature)	Date/Time:	Tracking Number: N/A
Relinquished by/Company: (Signature) CS Logistics	Date/Time: 03/01/2025 08:55	Received by/Company: (Signature) Matt Vonk Ramboll - Pace	Date/Time: 03/01/2025 08:55	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [X] Other CS Logistics
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

Sample Preservation Receipt Form

Client Name: Wisconsin Public Service Project # 402914466

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☐N/A Initial when completed: MB Date/ Time:

Lab Lot# of pH paper: 10B0144 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																										2					X		2.5 / 5
002																										2					X		2.5 / 5
003																																	2.5 / 5
004																																	2.5 / 5
005																																	2.5 / 5
006																																	2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
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015																																	2.5 / 5
016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

03/01/2025

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☑N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	1 liter HNO3 clear plastic
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Client Name: Wisconsin Public Service Project #:

WO#: 40291466

40291466

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☐ Client ☐ Pace Other:

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Thermometer Used SR - 145 **Type of Ice:** Wet Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr: 0.0

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 03/12/25 Initials: MNR

Labeled By Initials: KKS

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. Time on COC Does not match time listed on label; Sample point 001 time on label 11:56 sample point 002 time on label 12:56. Both times on COC listed as 00:00. MNR 03/13/2025
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

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To: Eric Kovatch
PSB Annex A231

From: WEC Business Services
Laboratory Services PSBA-A070
WDNR Cert # 241329000

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W08D — **Caledonia CCR Well Sample**
Sample ID: AE79042
Sample Received: 05/30/2025
Sample Collection Date/Time: 05/29/2025 12:48
Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	42.77	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	13	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	741	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.7	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	469	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	49200	1140	ug/L	5000	10		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	215000	10000	ug/L	54000	10		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	464	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	130	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.43	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	11	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	210	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: W09D — **Caledonia CCR Well Sample**
Sample ID: AE79043
Sample Received: 05/30/2025
Sample Collection Date/Time: 05/29/2025 12:04
Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	52.39	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	13	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	357	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.3	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	432	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	19200	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	91100	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	210	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	120	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.50	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	4.1	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	37	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: W10D **Caledonia CCR Well Sample**
Sample ID: AE79044 Sample Collection Date/Time: 05/29/2025 13:32
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	48.85	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	361	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	441	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	21000	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	86400	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	228	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	120	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.44	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	4.0	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	42	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: W46D **Caledonia CCR Well Sample**
Sample ID: AE79045 Sample Collection Date/Time: 05/29/2025 10:04
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	45.35	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	388	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	364	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	24700	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	124000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	222	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	140	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.31	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	5.6	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	35	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: W48 **Caledonia CCR Well Sample**
Sample ID: AE79046 Sample Collection Date/Time: 05/29/2025 10:54
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	58.90	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	403	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	380	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	26200	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	136000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	206	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	210	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.065	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	3.8	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	0.93	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: W49 **Caledonia CCR Well Sample**
Sample ID: AE79047 Sample Collection Date/Time: 05/29/2025 14:42
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	62.83	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	262	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	465	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	16100	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	68800	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	206	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	110	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.55	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	4.3	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	51	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: W50 **Caledonia CCR Well Sample**
Sample ID: AE79048 Sample Collection Date/Time: 05/29/2025 15:33
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	39.71	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	367	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.8	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	535	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	28100	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	114000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	306	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	130	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.26	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	5.0	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	79	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: QC 1 **Caledonia CCR Well Sample**
Sample ID: AE79049 Sample Collection Date/Time: 05/29/2025 10:59
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Boron	389	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	26600	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	139000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	252	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	200	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.070	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	3.9	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	0.94	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: EB 3 **Caledonia CCR Well Sample**
Sample ID: AE79050 Sample Collection Date/Time: 05/29/2025 15:45
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	17	0.1	Degrees (		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	8.2	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	Less Than	17.3	ug/L	40	1	U	EPA 200.7	6/4/25	20
Total Calcium	Less Than	114	ug/L	500	1	U	EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	Less Than	1000	ug/L	5400	1	U	Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	Less Than	20	mg/L		1	J	Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	Less Than	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	Less Than	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	Less Than	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	0.90	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: 9B DUPLICATE **Caledonia Landfill Semi Annual Sample**
Sample ID: AE79051 Sample Collection Date/Time: 05/29/2025 11:34
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	1.98	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	13	0.1	Degrees (		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	678	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.9	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Dissolved Calcium	63800	114	ug/L	500	1		EPA 200.7	6/4/25	20
Dissolved Magnesium	46900	182	ug/L	1000	1		EPA 200.7	6/4/25	20
Dissolved Sodium	17200	350	ug/L	500	1		EPA 200.7	6/4/25	20
Dissolved Potassium	2960	325	ug/L	1000	1		EPA 200.7	6/4/25	20
Dissolved Boron	124	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Dissolved Molybdenum	9.4	2.4	ug/L	10	1	J	EPA 200.7	6/4/25	20
Dissolved Selenium	Less Than	12.2	ug/L	40	1	U	EPA 200.7	6/4/25	20
Total Chloride in Groundwater	15	0.0031	mg/L	0.010	1	M1	EPA 300.0	6/18/25	AEU
Dissolved Sulfate	61	0.0062	mg/L	0.021	1	M1	EPA 300.0	6/18/25	AEU
Total Filtered Alkalinity as CaCO3	250	20	mg/l		1		Std Mtd 2320 B	6/5/25	AEU
Dissolved Hardness as CaCO3 ug/L	352000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	020

Sample Comments:

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: L-TANK **Caledonia Landfill Semi Annual Sample**
Sample ID: AE79052 Sample Collection Date/Time: 05/29/2025 13:55
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	14	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	449	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.6	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Chloride	SCRATCHED		mg/L		1		EPA 300.0	12/30/99	
Total Sulfate	SCRATCHED		mg/L		1		EPA 300.0	12/30/99	
Total Alkalinity as CaCO3	SCRATCHED		mg/L		1		SM 2320 B-1997	12/30/99	
Total Boron	15100	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Molybdenum	2630	2.4	ug/L	10	1		EPA 200.7	6/4/25	20
Total Manganese	18.1	1.5	ug/L	5	1		EPA 200.7	6/4/25	20
Total Lead	Less Than	5.9	ug/L	20	1	U	EPA 200.7	6/4/25	20
Total Cadmium	Less Than	1.3	ug/L	5	1	U	EPA 200.7	6/4/25	20
Total Iron	929	56.7	ug/L	100	1		EPA 200.7	6/4/25	20
Total Suspended Solids	561	1.0	mg/L	3	1		Std Mtd 2540 D	6/3/25	SAA
Biochemical Oxygen Demand	Less Than	2	mg/L	2	1		Std Mtd 5210B	6/4/25	057
Total Mercury	3.83	0.28	ng/L	0.93	1		EPA 245.7	6/25/25	ARF
COD	Less Than	14.7	mg/L	50	1	U	EPA 410.4	6/13/25	20
Total Hardness as CaCO3 ug/L	917000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Selenium	48.2	12.2	ug/L	40	1		EPA 200.7	6/4/25	20
Acenaphthene	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Acenaphthylene	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Anthracene	Less Than	0.75	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzidine	ND		ug/L		1		EPA 8270E	6/4/25	20
Benzo(a)anthracene	Less Than	1.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(a)pyrene	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(b)fluoranthene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(g.h.i)perylene	Less Than	1.7	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(k)fluoranthene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Bromophenylphenyl ether	Less Than	0.88	ug/L	5	1	U	EPA 8270E	6/4/25	20
Butylbenzylphthalate	Less Than	3.7	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Chloro-3-methylphenol	Less Than	0.94	ug/L	5	1	U	EPA 8270E	6/4/25	20
bis(2-Chloroethoxy)methane	Less Than	1.1	ug/L	5	1	U	EPA 8270E	6/4/25	20
bis(2-Chloroethyl) ether	Less Than	6.2	ug/L	10	1	U	EPA 8270E	6/4/25	20
bis(2-Chloroisopropyl) ether	ND		ug/L		1		EPA 8270E	6/4/25	20
2-Chloronaphthalene	Less Than	1.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Chlorophenol	Less Than	2.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Chlorophenylphenyl ether	Less Than	2	ug/L	5	1	U	EPA 8270E	6/4/25	20
Chrysene	Less Than	0.72	ug/L	5	1	U	EPA 8270E	6/4/25	20
Dibenz(a,h)anthracene	ND		ug/L		1		EPA 8270E	6/4/25	20
3.3'-Dichlorobenzidine	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4-Dichlorophenol	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Diethylphthalate	Less Than	0.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4-Dimethylphenol	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Dimethylphthalate	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Di-n-butylphthalate	Less Than	1.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
4.6-Dinitro-2-methylphenol	Less Than	1.2	ug/L	10	1	U	EPA 8270E	6/4/25	20
2.4-Dinitrophenol	Less Than	11.8	ug/L	50	1	U	EPA 8270E	6/4/25	20

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: L-TANK **Caledonia Landfill Semi Annual Sample**
Sample ID: AE79052 Sample Collection Date/Time: 05/29/2025 13:55
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
2.4-Dintirotoluene	ND		ug/L		1		EPA 8270E	6/4/25	20
2.6-Dinitrotoluene	Less Than	0.85	ug/L	5	1	U	EPA 8270E	6/4/25	20
Di-n-octylphthalate	Less Than	4.6	ug/L	10	1	U	EPA 8270E	6/4/25	20
1.2-Diphenylhydrazine	ND		ug/L		1		EPA 8270E	6/4/25	20
bis(2-Ethylhexyl)phthalate	Less Than	2.1	ug/L	5	1	U	EPA 8270E	6/4/25	20
Fluoranthene	Less Than	0.74	ug/L	5	1	U	EPA 8270E	6/4/25	20
Fluorene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachloro-1.3-butadiene	Less Than	2.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachlorobenzene	Less Than	1.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachlorocyclopentadiene	Less Than	1.9	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachloroethane	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Indeno(1.2.3-cd)pyrene	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
Isophorone	Less Than	0.98	ug/L	5	1	U	EPA 8270E	6/4/25	20
Naphthalene	Less Than	1.7	ug/L	5	1	U	EPA 8270E	6/4/25	20
Nitrobenzene	Less Than	1.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Nitrophenol	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Nitrophenol	Less Than	8.3	ug/L	10	1	U	EPA 8270E	6/4/25	20
N-Nitrosodimethylamine	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
N-Nitroso-di-n-propylamine	Less Than	0.82	ug/L	5	1	U	EPA 8270E	6/4/25	20
N-Nitrosodiphenylamine	Less Than	0.41	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.2'-Oxybis(1-chloropropane)	Less Than	0.79	ug/L	5	1	U	EPA 8270E	6/4/25	20
Pentachlorophenol	Less Than	1.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
Phenanthrene	Less Than	1.1	ug/L	5	1	U	EPA 8270E	6/4/25	20
Phenol	Less Than	0.98	ug/L	5	1	U	EPA 8270E	6/4/25	20
Pyrene	Less Than	0.98	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.3.4.6-Tetrachlorophenol	Less Than	2.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.2.4-Trichlorobenzene	Less Than	2.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4.6-Trichlorophenol	Less Than	2	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.2-Dichlorobenzene	Less Than	2	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.3-Dichlorobenzene	Less Than	2.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.4-Dichlorobenzene	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
1-Methylnaphthalene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4.5-Trichlorophenol	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Methylnaphthalene	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Methylphenol(m&p Cresol)	ND		ug/L		1		EPA 8270E	6/4/25	20
3-Nitroaniline	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Nitroaniline	Less Than	2.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
Acetophenone	Less Than	0.82	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzyl alcohol	Less Than	3.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
Dibenzofuran	Less Than	0.93	ug/L	5	1	U	EPA 8270E	6/4/25	20
Pyridine	Less Than	7.3	ug/L	10	1	U	EPA 8270E	6/4/25	20
2-Methylphenol(o-Cresol)	Less Than	0.77	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Nitroaniline	Less Than	0.92	ug/L	5	1	U	EPA 8270E	6/4/25	20

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Anions + Alkalinity scratched on this sample. Bottle not provided to complete an alyses. Please see AE79088

LOD and LOQ are adjusted for dilution factor.
'J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

If there are any questions concerning this report, please contact Lab Services: 414-221-4595

To: Eric Kovatch
PSB Annex A231

From: WEC Business Services
Laboratory Services PSBA-A070
WDNR Cert # 241329000

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W08D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82964 Sample Collection Date/Time: 11/11/2025 12:29
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.77	0.05	feet		1		H2OD	11/11/25	RAMBOLL
Field Temperature	8.34	0.1	Degrees (		1		TEMP	11/11/25	RAMBOLL
Field Conductivity	692.9	0	umhos		1		FCOND25	11/11/25	RAMBOLL
Field pH	7.483	0.1	Units	0.1	1		FIELDPH	11/11/25	RAMBOLL
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/21/25	020
Bicarbonate Ion	163	5.0	mg/L	10.0	1		HCO3	11/21/25	020
Dissolved Calcium	51400	1140	ug/L	5000	10	D9	EPA 200.7	12/3/25	020
Dissolved Magnesium	22300	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	77500	3500	ug/L	5000	10	D9	EPA 200.7	12/3/25	020
Dissolved Potassium	3590	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	17.1	3	mg/L	10	5	M0	EPA 300.0	12/5/25	020
Dissolved Sulfate	192	4.4	mg/L	20	10	M0	EPA 300.0	12/8/25	020
Total Dissolved Solids	404	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	12.1	3	mg/L	10	5		EPA 300.0	12/8/25	020
Total Sulfate	212	2.2	mg/L	10	5		EPA 300.0	12/8/25	020
Total Fluoride	1.2	0.48	mg/L	1.6	5	J	EPA 300.0	12/8/25	020
Total Boron	442	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	49400	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	215	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	163	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	22300	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W09D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82965 Sample Collection Date/Time: 11/11/2025 13:21
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	53.83	0.05	feet		1		H2OD	11/11/25	
Field Temperature	7.94	0.1	Degrees (		1		TEMP	11/11/25	
Field Conductivity	330.3	0	umhos		1		FCOND25	11/11/25	
Field pH	7.72	0.1	Units	0.1	1		FIELDPH	11/11/25	
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W09D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82965 Sample Collection Date/Time: 11/11/2025 13:21
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Bicarbonate Ion	142	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	18600	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	10000	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	44300	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1370	325	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Chloride	4.3	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	37.6	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	202	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	4.6	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	29	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.3	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	472	17.3	ug/L	40.0	1		EPA 200.7	12/3/25	020
Total Calcium	18600	114	ug/L	500	1		EPA 200.7	12/3/25	020
Total Hardness as CaCO3	84.3	1.0	mg/L	5.4	1		Std Mtd 2340B	12/3/25	020
Total Alkalinity as CaCO3	142	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	9210	182	ug/L	1000	1		EPA 200.7	12/3/25	020

Sample Comments:

Sample Description: W10D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82966 Sample Collection Date/Time: 11/11/2025 14:14
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	50.15	0.05	feet		1		H2OD	11/11/25	RAMBOLL
Field Temperature	9.38	0.1	Degrees C		1		TEMP	11/11/25	RAMBOLL
Field Conductivity	337.9	0	umhos		1		FCOND25	11/11/25	RAMBOLL
Field pH	7.817	0.1	Units	0.1	1		FIELDPH	11/11/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	139	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	20700	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	8110	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	45400	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1660	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	4.3	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	42.6	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	244	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	4.2	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	42.4	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.2	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	437	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	20700	114	ug/L	500	1		EPA 200.7	12/2/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W10D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82966 Sample Collection Date/Time: 11/11/2025 14:14
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Hardness as CaCO3	85.1	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	139	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	8090	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W46D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82967 Sample Collection Date/Time: 11/12/2025 08:18
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.92	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	10.19	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	359.8	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.274	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	156	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	25200	114	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Magnesium	15400	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	37300	350	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Potassium	1860	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	5.4	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	36.6	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	214	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	5.4	1.2	mg/L	4	2	M0	EPA 300.0	12/8/25	020
Total Sulfate	32.8	0.89	mg/L	4	2	M0	EPA 300.0	12/8/25	020
Total Fluoride	1.1	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	376	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	24400	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	122	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	156	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	15000	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W48 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82968 Sample Collection Date/Time: 11/12/2025 09:22
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	60.48	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	11.52	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	405.5	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.661	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	232	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	25900	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	17000	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	46800	350	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Potassium	1790	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	4	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/5/25	020
Total Dissolved Solids	226	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	4	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/8/25	020
Total Fluoride	0.94	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	394	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	26200	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	136	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	232	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	17100	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W49 - RADIUM 226 + 22 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82969 Sample Collection Date/Time: 11/12/2025 10:31
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	64.51	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	10.2	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	346.1	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.075	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	122	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	16000	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	7010	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	53000	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1120	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	4.6	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	52.5	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	228	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W49 - RADIUM 226 + 22 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82969 Sample Collection Date/Time: 11/12/2025 10:31
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Chloride	4.7	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	52.7	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.4	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	482	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	16200	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	69.5	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Miscellaneous	See attached report				1			12/5/25	020
Total Alkalinity as CaCO3	122	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	7050	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W50 - RADIUM 226 + 28 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82970 Sample Collection Date/Time: 11/12/2025 11:49
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	40.28	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	11.5	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	440.3	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.772	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	155	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	26500	114	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Magnesium	10000	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	58100	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1760	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	5	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	73.3	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	246	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	6	3	mg/L	10	5	J,D3,M	EPA 300.0	12/8/25	020
Total Sulfate	82.5	2.2	mg/L	10	5		EPA 300.0	12/8/25	020
Total Fluoride	1.2	0.48	mg/L	1.6	5	J,D3	EPA 300.0	12/8/25	020
Total Boron	541	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	25500	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	104	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Miscellaneous	See attached report				1			12/5/25	020
Total Alkalinity as CaCO3	155	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	9710	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: QC01 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82971 Sample Collection Date/Time: 11/12/2025 08:23
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.92	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	10.19	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	359.8	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.274	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	154	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	24000	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	14700	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	34700	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1750	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	5.2	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	37.5	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	204	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	5.4	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	34.6	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.1	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	376	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	24500	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	123	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	154	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	15100	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: EB 3 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82972 Sample Collection Date/Time: 11/12/2025 12:10
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	Not Applicable	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	Not Applicable	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	Not Applicable	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	Not Applicable	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	Less Than	5	mg/L	10	1		HCO3	11/21/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: EB 3 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82972 Sample Collection Date/Time: 11/12/2025 12:10
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Calcium	Less Than	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	Less Than	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	485	350	ug/L	500	1	J	EPA 200.7	12/2/25	020
Dissolved Potassium	Less Than	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	Less Than	1.2	mg/L	4	2	D3	EPA 300.0	12/5/25	020
Dissolved Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/5/25	020
Total Dissolved Solids	Less Than	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	Less Than	1.2	mg/L	4	2	D3	EPA 300.0	12/8/25	020
Total Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/8/25	020
Total Fluoride	Less Than	0.19	mg/L	0.63	2	D3	EPA 300.0	12/8/25	020
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	12/3/25	020
Total Calcium	Less Than	114	ug/L	500	1		EPA 200.7	12/3/25	020
Total Hardness as CaCO3	Less Than	1.0	mg/L	5.4	1		Std Mtd 2340B	12/3/25	020
Total Alkalinity as CaCO3	Less Than	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	Less Than	182	ug/L	1000	1		EPA 200.7	12/3/25	020

Sample Comments:

LOD and LOQ are adjusted for dilution factor.
'J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

If there are any questions concerning this report, please contact Lab Services: 414-221-4595

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

January 08, 2026

Autumn Farrell
WEC Business Services, LLC.

,

RE: Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Dear Autumn Farrell:

Enclosed are the analytical results for sample(s) received by the laboratory on November 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: WE Energies Lab Reports, WE Energies
MARK METCALF, WEC Business Services, LLC.

Table of Contents

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Arizona Certification #: AZ0734
California Certification #: 2950
Connecticut Certification #: PH-0694
Florida/TNI Certification #: E87683
Guam Certification
Idaho Certification
Indiana Certification
Kansas Certification #: E-10358
KY WW Permit #: KY0098221
Louisiana DHH/TNI Certification #: LA010
Maine Certification #: 2023021
Massachusetts Certification #: M-PA1457
Missouri Certification #: 235
Nebraska Certification #: NE-OS-29-14
New Hampshire/TNI Certification #: 297622
New Mexico Certification #: PA01457
North Carolina Certification #: 42706
Ohio EPA Rad Approval: #41249
Pennsylvania/TNI Certification #: 65-00282
Rhode Island Certification #: 65-00282
Tennessee Certification #: TN02867
Utah/TNI Certification #: PA014572223-14
Vermont Dept. of Health: ID# VT-0282
Virginia/VELAP Certification #: 460198
West Virginia DEP Certification #: 143
Wisconsin Approve List for Rad
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arkansas Certification
Colorado Certification #: PA01547
EPA Region 4 DW Rad
Georgia Certification #: C040
Hawaii Certification
Illinois Certification
Iowa Certification #: 391
Kentucky Certification #: KY90133
KY WW Permit #: KY0000221
Louisiana DEQ/TNI Certification #: 04086
Maryland Certification #: 308
Michigan/PADEP Certification #: 9991
Montana Certification #: Cert0082
Nevada Certification #: PA014572023-03
New Jersey/TNI Certification #: PA051
New York/TNI Certification #: 10888
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002-015
Puerto Rico Certification #: PA01457
South Dakota Certification
Texas/TNI Certification #: T104704188-22-18
USDA Soil Permit #: 525-23-67-77263
Virgin Island/PADEP Certification
Washington Certification #: C868
West Virginia DHHR Certification #: 9964C

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Illinois EPA Certification # 200050
Kentucky UST DEP Certification # 123059
Minnesota DOH Certification # 055-999-334
North Dakota DEQ Certification # R-150
South Carolina DES Certification # 83006001
USDA APHIS Foreign Soil Permit # 525-24-3-36355
Virginia VELAP Certification # 460263
Wisconsin DNR Certification # 405132750
Florida DOH Certification # E87948
ISO/IEC 17025 (A2LA) Certification # 6154.01
Louisiana DEQ Certification # 04168
New York DOH Certification # 12064
ISO/IEC 17025 (A2LA) Certification # 6154.01
Texas TCEQ Certification # T104704529
U.S. Fish & Wildlife Service Permit # 51774A
Wisconsin DATCP Certification # 444

REPORT OF LABORATORY ANALYSIS

Date: 01/08/2026 09:33 AM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40305141001	**AE82964(W08D)**	Water	11/10/25 08:30	11/15/25 08:40
40305141002	**AE82965(W09D)**	Water	11/10/25 08:20	11/15/25 08:40
40305141003	**AE82966(W10D)**	Water	11/10/25 08:40	11/15/25 08:40
40305141004	**AE82967(W46D)**	Water	11/10/25 09:29	11/15/25 08:40
40305141005	**AE82968(W48)**	Water	11/10/25 09:37	11/15/25 08:40
40305141006	**AE82969(W49)**	Water	11/10/25 09:21	11/15/25 08:40
40305141007	**AE82970(W50)**	Water	11/10/25 11:35	11/15/25 08:40
40305141008	**AE82971(QC01)**	Water	11/10/25 13:39	11/15/25 08:40
40305141009	**AE82972(EB3)**	Water	11/10/25 13:43	11/15/25 08:40

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40305141001	**AE82964(W08D)**	EPA 200.7	AJT, SIS	6	PASI-G
		EPA 200.7	AJT, SIS	4	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G
40305141002	**AE82965(W09D)**	EPA 200.7	AJT	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G
40305141003	**AE82966(W10D)**	EPA 200.7	SIS	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G
40305141004	**AE82967(W46D)**	EPA 200.7	SIS	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G
40305141005	**AE82968(W48)**	EPA 200.7	SIS	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G
40305141006	**AE82969(W49)**	EPA 200.7	SIS	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		EPA 903.1	JML1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40305141007	**AE82970(W50)**	EPA 200.7	SIS	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		EPA 903.1	JML1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G
40305141008	**AE82971(QC01)**	EPA 200.7	SIS	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G
40305141009	**AE82972(EB3)**	EPA 200.7	AJT	6	PASI-G
		EPA 200.7	SIS	4	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	LMB	1	PASI-G
		EPA 300.0	SCH	3	PASI-G
		EPA 300.0	SCH	2	PASI-G

PASI-G = Pace Analytical Services - Green Bay
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

Date: 01/08/2026 09:33 AM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82964(W08D) **Lab ID: 40305141001** Collected: 11/10/25 08:30 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**442**	ug/L	40.0	17.3	1	12/01/25 17:08	12/02/25 14:13	7440-42-8	
Calcium	**49400**	ug/L	500	114	1	12/01/25 17:08	12/02/25 14:13	7440-70-2	
Magnesium	**22300**	ug/L	1000	182	1	12/01/25 17:08	12/02/25 14:13	7439-95-4	
Potassium	**4110**	ug/L	1000	325	1	12/01/25 17:08	12/02/25 14:13	7440-09-7	
Sodium	**75500**	ug/L	5000	3500	10	12/01/25 17:08	12/03/25 18:16	7440-23-5	
Total Hardness by 2340B	**215000**	ug/L	5400	1000	1	12/01/25 17:08	12/02/25 14:13		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**51400**	ug/L	5000	1140	10	12/01/25 17:07	12/03/25 18:01	7440-70-2	D9
Magnesium, Dissolved	**22300**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 14:50	7439-95-4	
Potassium, Dissolved	**3590**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 14:50	7440-09-7	
Sodium, Dissolved	**77500**	ug/L	5000	3500	10	12/01/25 17:07	12/03/25 18:01	7440-23-5	D9
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**163**	mg/L	10.0	5.0	1		11/21/25 11:47		
Alkalinity,Bicarbonate (CaCO3)	**163**	mg/L	10.0	5.0	1		11/21/25 11:47		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 11:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**404**	mg/L	20.0	8.7	1		11/17/25 16:29		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**12.1**	mg/L	10.0	3.0	5		12/08/25 14:49	16887-00-6	
Fluoride	**1.2J**	mg/L	1.6	0.48	5		12/08/25 14:49	16984-48-8	
Sulfate	**212**	mg/L	10.0	2.2	5		12/08/25 14:49	14808-79-8	
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**17.1**	mg/L	10.0	3.0	5		12/05/25 18:58	16887-00-6	M0

REPORT OF LABORATORY ANALYSIS

Date: 01/08/2026 09:33 AM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82964(W08D) **Lab ID: 40305141001** Collected: 11/10/25 08:30 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate, Dissolved	**192**	mg/L	20.0	4.4	10		12/08/25 11:34	14808-79-8	M0

Sample: AE82965(W09D) **Lab ID: 40305141002** Collected: 11/10/25 08:20 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**472**	ug/L	40.0	17.3	1	12/01/25 17:08	12/03/25 18:23	7440-42-8	
Calcium	**18600**	ug/L	500	114	1	12/01/25 17:08	12/03/25 18:23	7440-70-2	
Magnesium	**9210**	ug/L	1000	182	1	12/01/25 17:08	12/03/25 18:23	7439-95-4	
Potassium	**1130**	ug/L	1000	325	1	12/01/25 17:08	12/03/25 18:23	7440-09-7	
Sodium	**48700**	ug/L	500	350	1	12/01/25 17:08	12/03/25 18:23	7440-23-5	
Total Hardness by 2340B	**84300**	ug/L	5400	1000	1	12/01/25 17:08	12/03/25 18:23		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**18600**	ug/L	500	114	1	12/01/25 17:07	12/02/25 14:58	7440-70-2	
Magnesium, Dissolved	**10000**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 14:58	7439-95-4	D9
Potassium, Dissolved	**1370**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 14:58	7440-09-7	D9
Sodium, Dissolved	**44300**	ug/L	500	350	1	12/01/25 17:07	12/02/25 14:58	7440-23-5	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**142**	mg/L	10.0	5.0	1		11/21/25 12:16		
Alkalinity,Bicarbonate (CaCO3)	**142**	mg/L	10.0	5.0	1		11/21/25 12:16		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 12:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**202**	mg/L	20.0	8.7	1		11/17/25 16:29		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**4.6**	mg/L	4.0	1.2	2		12/08/25 15:00	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Date: 01/08/2026 09:33 AM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82965(W09D) **Lab ID: 40305141002** Collected: 11/10/25 08:20 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Fluoride	**1.3**	mg/L	0.63	0.19	2		12/08/25 15:00	16984-48-8	
Sulfate	**29.0**	mg/L	4.0	0.89	2		12/08/25 15:00	14808-79-8	
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**4.3**	mg/L	4.0	1.2	2		12/05/25 19:30	16887-00-6	
Sulfate, Dissolved	**37.6**	mg/L	4.0	0.89	2		12/05/25 19:30	14808-79-8	

Sample: AE82966(W10D) **Lab ID: 40305141003** Collected: 11/10/25 08:40 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**437**	ug/L	40.0	17.3	1	12/01/25 17:08	12/02/25 14:24	7440-42-8	
Calcium	**20700**	ug/L	500	114	1	12/01/25 17:08	12/02/25 14:24	7440-70-2	
Magnesium	**8090**	ug/L	1000	182	1	12/01/25 17:08	12/02/25 14:24	7439-95-4	
Potassium	**1780**	ug/L	1000	325	1	12/01/25 17:08	12/02/25 14:24	7440-09-7	
Sodium	**45400**	ug/L	500	350	1	12/01/25 17:08	12/02/25 14:24	7440-23-5	
Total Hardness by 2340B	**85100**	ug/L	5400	1000	1	12/01/25 17:08	12/02/25 14:24		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**20700**	ug/L	500	114	1	12/01/25 17:07	12/02/25 15:02	7440-70-2	
Magnesium, Dissolved	**8110**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 15:02	7439-95-4	D9
Potassium, Dissolved	**1660**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 15:02	7440-09-7	
Sodium, Dissolved	**45400**	ug/L	500	350	1	12/01/25 17:07	12/02/25 15:02	7440-23-5	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**139**	mg/L	10.0	5.0	1		11/21/25 12:24		
Alkalinity,Bicarbonate (CaCO3)	**139**	mg/L	10.0	5.0	1		11/21/25 12:24		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 12:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82966(W10D) **Lab ID: 40305141003** Collected: 11/10/25 08:40 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**244**	mg/L	20.0	8.7	1		11/17/25 16:30		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**4.2**	mg/L	4.0	1.2	2		12/08/25 15:10	16887-00-6	
Fluoride	**1.2**	mg/L	0.63	0.19	2		12/08/25 15:10	16984-48-8	
Sulfate	**42.4**	mg/L	4.0	0.89	2		12/08/25 15:10	14808-79-8	
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**4.3**	mg/L	4.0	1.2	2		12/05/25 19:41	16887-00-6	
Sulfate, Dissolved	**42.6**	mg/L	4.0	0.89	2		12/05/25 19:41	14808-79-8	

Sample: AE82967(W46D) **Lab ID: 40305141004** Collected: 11/10/25 09:29 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**376**	ug/L	40.0	17.3	1	12/01/25 17:08	12/02/25 14:26	7440-42-8	
Calcium	**24400**	ug/L	500	114	1	12/01/25 17:08	12/02/25 14:26	7440-70-2	
Magnesium	**15000**	ug/L	1000	182	1	12/01/25 17:08	12/02/25 14:26	7439-95-4	
Potassium	**1870**	ug/L	1000	325	1	12/01/25 17:08	12/02/25 14:26	7440-09-7	
Sodium	**35700**	ug/L	500	350	1	12/01/25 17:08	12/02/25 14:26	7440-23-5	
Total Hardness by 2340B	**122000**	ug/L	5400	1000	1	12/01/25 17:08	12/02/25 14:26		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**25200**	ug/L	500	114	1	12/01/25 17:07	12/02/25 15:04	7440-70-2	D9
Magnesium, Dissolved	**15400**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 15:04	7439-95-4	D9
Potassium, Dissolved	**1860**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 15:04	7440-09-7	
Sodium, Dissolved	**37300**	ug/L	500	350	1	12/01/25 17:07	12/02/25 15:04	7440-23-5	D9
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								

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ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82967(W46D) **Lab ID: 40305141004** Collected: 11/10/25 09:29 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**156**	mg/L	10.0	5.0	1		11/21/25 12:31		
Alkalinity,Bicarbonate (CaCO3)	**156**	mg/L	10.0	5.0	1		11/21/25 12:31		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 12:31		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**214**	mg/L	20.0	8.7	1		11/17/25 16:30		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**5.4**	mg/L	4.0	1.2	2		12/08/25 15:21	16887-00-6	M0
Fluoride	**1.1**	mg/L	0.63	0.19	2		12/08/25 15:21	16984-48-8	
Sulfate	**32.8**	mg/L	4.0	0.89	2		12/08/25 15:21	14808-79-8	M0
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**5.4**	mg/L	4.0	1.2	2		12/05/25 19:52	16887-00-6	
Sulfate, Dissolved	**36.6**	mg/L	4.0	0.89	2		12/05/25 19:52	14808-79-8	

Sample: AE82968(W48) **Lab ID: 40305141005** Collected: 11/10/25 09:37 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**394**	ug/L	40.0	17.3	1	12/01/25 17:08	12/02/25 14:32	7440-42-8	
Calcium	**26200**	ug/L	500	114	1	12/01/25 17:08	12/02/25 14:32	7440-70-2	
Magnesium	**17100**	ug/L	1000	182	1	12/01/25 17:08	12/02/25 14:32	7439-95-4	
Potassium	**1900**	ug/L	1000	325	1	12/01/25 17:08	12/02/25 14:32	7440-09-7	
Sodium	**46400**	ug/L	500	350	1	12/01/25 17:08	12/02/25 14:32	7440-23-5	
Total Hardness by 2340B	**136000**	ug/L	5400	1000	1	12/01/25 17:08	12/02/25 14:32		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**25900**	ug/L	500	114	1	12/01/25 17:07	12/02/25 15:10	7440-70-2	

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ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82968(W48) **Lab ID: 40305141005** Collected: 11/10/25 09:37 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Magnesium, Dissolved	**17000**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 15:10	7439-95-4	
Potassium, Dissolved	**1790**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 15:10	7440-09-7	
Sodium, Dissolved	**46800**	ug/L	500	350	1	12/01/25 17:07	12/02/25 15:10	7440-23-5	D9
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**232**	mg/L	10.0	5.0	1		11/21/25 12:38		
Alkalinity,Bicarbonate (CaCO3)	**232**	mg/L	10.0	5.0	1		11/21/25 12:38		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 12:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**226**	mg/L	20.0	8.7	1		11/17/25 16:31		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**4.0**	mg/L	4.0	1.2	2		12/08/25 16:26	16887-00-6	
Fluoride	**0.94**	mg/L	0.63	0.19	2		12/08/25 16:26	16984-48-8	
Sulfate	**<0.89**	mg/L	4.0	0.89	2		12/08/25 16:26	14808-79-8	D3
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**4.0**	mg/L	4.0	1.2	2		12/05/25 20:35	16887-00-6	
Sulfate, Dissolved	**<0.89**	mg/L	4.0	0.89	2		12/05/25 20:35	14808-79-8	D3

Sample: AE82969(W49) **Lab ID: 40305141006** Collected: 11/10/25 09:21 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**482**	ug/L	40.0	17.3	1	12/01/25 17:08	12/02/25 14:34	7440-42-8	
Calcium	**16200**	ug/L	500	114	1	12/01/25 17:08	12/02/25 14:34	7440-70-2	
Magnesium	**7050**	ug/L	1000	182	1	12/01/25 17:08	12/02/25 14:34	7439-95-4	
Potassium	**1280**	ug/L	1000	325	1	12/01/25 17:08	12/02/25 14:34	7440-09-7	

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ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82969(W49) **Lab ID: 40305141006** Collected: 11/10/25 09:21 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Sodium	**53500**	ug/L	500	350	1	12/01/25 17:08	12/02/25 14:34	7440-23-5	
Total Hardness by 2340B	**69500**	ug/L	5400	1000	1	12/01/25 17:08	12/02/25 14:34		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**16000**	ug/L	500	114	1	12/01/25 17:07	12/02/25 15:12	7440-70-2	
Magnesium, Dissolved	**7010**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 15:12	7439-95-4	
Potassium, Dissolved	**1120**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 15:12	7440-09-7	
Sodium, Dissolved	**53000**	ug/L	500	350	1	12/01/25 17:07	12/02/25 15:12	7440-23-5	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**122**	mg/L	10.0	5.0	1		11/21/25 12:46		
Alkalinity,Bicarbonate (CaCO3)	**122**	mg/L	10.0	5.0	1		11/21/25 12:46		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 12:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**228**	mg/L	20.0	8.7	1		11/17/25 16:31		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**4.7**	mg/L	4.0	1.2	2		12/08/25 16:37	16887-00-6	
Fluoride	**1.4**	mg/L	0.63	0.19	2		12/08/25 16:37	16984-48-8	
Sulfate	**52.7**	mg/L	4.0	0.89	2		12/08/25 16:37	14808-79-8	
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**4.6**	mg/L	4.0	1.2	2		12/05/25 20:46	16887-00-6	
Sulfate, Dissolved	**52.5**	mg/L	4.0	0.89	2		12/05/25 20:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82970(W50) **Lab ID: 40305141007** Collected: 11/10/25 11:35 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**541**	ug/L	40.0	17.3	1	12/01/25 17:08	12/02/25 14:36	7440-42-8	
Calcium	**25500**	ug/L	500	114	1	12/01/25 17:08	12/02/25 14:36	7440-70-2	
Magnesium	**9710**	ug/L	1000	182	1	12/01/25 17:08	12/02/25 14:36	7439-95-4	
Potassium	**1900**	ug/L	1000	325	1	12/01/25 17:08	12/02/25 14:36	7440-09-7	
Sodium	**59200**	ug/L	500	350	1	12/01/25 17:08	12/02/25 14:36	7440-23-5	
Total Hardness by 2340B	**104000**	ug/L	5400	1000	1	12/01/25 17:08	12/02/25 14:36		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**26500**	ug/L	500	114	1	12/01/25 17:07	12/02/25 15:14	7440-70-2	D9
Magnesium, Dissolved	**10000**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 15:14	7439-95-4	D9
Potassium, Dissolved	**1760**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 15:14	7440-09-7	
Sodium, Dissolved	**58100**	ug/L	500	350	1	12/01/25 17:07	12/02/25 15:14	7440-23-5	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**155**	mg/L	10.0	5.0	1		11/21/25 13:09		
Alkalinity,Bicarbonate (CaCO3)	**155**	mg/L	10.0	5.0	1		11/21/25 13:09		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 13:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**246**	mg/L	20.0	8.7	1		11/17/25 16:31		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**6.0J**	mg/L	10.0	3.0	5		12/08/25 16:48	16887-00-6	D3,M0
Fluoride	**1.2J**	mg/L	1.6	0.48	5		12/08/25 16:48	16984-48-8	D3
Sulfate	**82.5**	mg/L	10.0	2.2	5		12/08/25 16:48	14808-79-8	
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**5.0**	mg/L	4.0	1.2	2		12/05/25 20:57	16887-00-6	

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ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82970(W50) **Lab ID: 40305141007** Collected: 11/10/25 11:35 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate, Dissolved	**73.3**	mg/L	4.0	0.89	2		12/05/25 20:57	14808-79-8	

Sample: AE82971(QC01) **Lab ID: 40305141008** Collected: 11/10/25 13:39 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**376**	ug/L	40.0	17.3	1	12/01/25 17:08	12/02/25 14:38	7440-42-8	
Calcium	**24500**	ug/L	500	114	1	12/01/25 17:08	12/02/25 14:38	7440-70-2	
Magnesium	**15100**	ug/L	1000	182	1	12/01/25 17:08	12/02/25 14:38	7439-95-4	
Potassium	**1820**	ug/L	1000	325	1	12/01/25 17:08	12/02/25 14:38	7440-09-7	
Sodium	**35800**	ug/L	500	350	1	12/01/25 17:08	12/02/25 14:38	7440-23-5	
Total Hardness by 2340B	**123000**	ug/L	5400	1000	1	12/01/25 17:08	12/02/25 14:38		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**24000**	ug/L	500	114	1	12/01/25 17:07	12/02/25 15:16	7440-70-2	
Magnesium, Dissolved	**14700**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 15:16	7439-95-4	
Potassium, Dissolved	**1750**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 15:16	7440-09-7	
Sodium, Dissolved	**34700**	ug/L	500	350	1	12/01/25 17:07	12/02/25 15:16	7440-23-5	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**154**	mg/L	10.0	5.0	1		11/21/25 13:16		
Alkalinity,Bicarbonate (CaCO3)	**154**	mg/L	10.0	5.0	1		11/21/25 13:16		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 13:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**204**	mg/L	20.0	8.7	1		11/17/25 16:31		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**5.4**	mg/L	4.0	1.2	2		12/08/25 17:21	16887-00-6	

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ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82971(QC01) **Lab ID: 40305141008** Collected: 11/10/25 13:39 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Fluoride	**1.1**	mg/L	0.63	0.19	2		12/08/25 17:21	16984-48-8	
Sulfate	**34.6**	mg/L	4.0	0.89	2		12/08/25 17:21	14808-79-8	
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**5.2**	mg/L	4.0	1.2	2		12/05/25 21:08	16887-00-6	
Sulfate, Dissolved	**37.5**	mg/L	4.0	0.89	2		12/05/25 21:08	14808-79-8	

Sample: AE82972(EB3) **Lab ID: 40305141009** Collected: 11/10/25 13:43 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Boron	**<17.3**	ug/L	40.0	17.3	1	12/01/25 17:08	12/03/25 18:27	7440-42-8	
Calcium	**<114**	ug/L	500	114	1	12/01/25 17:08	12/03/25 18:27	7440-70-2	
Magnesium	**<182**	ug/L	1000	182	1	12/01/25 17:08	12/03/25 18:27	7439-95-4	
Potassium	**<325**	ug/L	1000	325	1	12/01/25 17:08	12/03/25 18:27	7440-09-7	
Sodium	**<350**	ug/L	500	350	1	12/01/25 17:08	12/03/25 18:27	7440-23-5	
Total Hardness by 2340B	**<1000**	ug/L	5400	1000	1	12/01/25 17:08	12/03/25 18:27		
200.7 MET ICP, Dissolved	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Calcium, Dissolved	**<114**	ug/L	500	114	1	12/01/25 17:07	12/02/25 15:18	7440-70-2	
Magnesium, Dissolved	**<182**	ug/L	1000	182	1	12/01/25 17:07	12/02/25 15:18	7439-95-4	
Potassium, Dissolved	**<325**	ug/L	1000	325	1	12/01/25 17:07	12/02/25 15:18	7440-09-7	
Sodium, Dissolved	**485J**	ug/L	500	350	1	12/01/25 17:07	12/02/25 15:18	7440-23-5	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**<5.0**	mg/L	10.0	5.0	1		11/21/25 13:23		
Alkalinity,Bicarbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 13:23		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	10.0	5.0	1		11/21/25 13:23		

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82972(EB3) **Lab ID: 40305141009** Collected: 11/10/25 13:43 Received: 11/15/25 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**<8.7**	mg/L	20.0	8.7	1		11/17/25 16:31		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<1.2**	mg/L	4.0	1.2	2		12/08/25 17:32	16887-00-6	D3
Fluoride	**<0.19**	mg/L	0.63	0.19	2		12/08/25 17:32	16984-48-8	D3
Sulfate	**<0.89**	mg/L	4.0	0.89	2		12/08/25 17:32	14808-79-8	D3
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**<1.2**	mg/L	4.0	1.2	2		12/05/25 21:19	16887-00-6	D3
Sulfate, Dissolved	**<0.89**	mg/L	4.0	0.89	2		12/05/25 21:19	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

Date: 01/08/2026 09:33 AM

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QUALITY CONTROL DATA

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch: 523421
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 MET
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

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METHOD BLANK: 2985247 Matrix: Water

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	ug/L	<17.3	40.0	12/03/25 18:12	
Calcium	ug/L	<114	500	12/03/25 18:12	
Magnesium	ug/L	<182	1000	12/03/25 18:12	
Potassium	ug/L	<325	1000	12/03/25 18:12	
Sodium	ug/L	<350	500	12/03/25 18:12	
Total Hardness by 2340B	ug/L	<1000	5400	12/03/25 18:12	

LABORATORY CONTROL SAMPLE: 2985248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	ug/L	250	257	103	85-115	
Calcium	ug/L	10000	9990	100	85-115	
Magnesium	ug/L	10000	10000	100	85-115	
Potassium	ug/L	10000	9980	100	85-115	
Sodium	ug/L	10000	9960	100	85-115	
Total Hardness by 2340B	ug/L		66100			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2985249 2985250

Parameter	Units	40305141001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Boron	ug/L	442	250	250	699	719	103	111	70-130	3	20	
Calcium	ug/L	49400	10000	10000	59000	60500	97	111	70-130	2	20	
Magnesium	ug/L	22300	10000	10000	32100	32800	98	105	70-130	2	20	
Potassium	ug/L	4110	10000	10000	14100	14300	100	102	70-130	1	20	
Sodium	ug/L	75500	10000	10000	84800	86900	93	114	70-130	2	20	
Total Hardness by 2340B	ug/L	215000			280000	286000				2		

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QUALITY CONTROL DATA

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch: 523420
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 MET Dissolved
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

METHOD BLANK: 2985243 Matrix: Water

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium, Dissolved	ug/L	<114	500	12/03/25 17:59	
Magnesium, Dissolved	ug/L	<182	1000	12/03/25 17:59	
Potassium, Dissolved	ug/L	<325	1000	12/03/25 17:59	
Sodium, Dissolved	ug/L	<350	500	12/03/25 17:59	

LABORATORY CONTROL SAMPLE: 2985244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	10000	9800	98	85-115	
Magnesium, Dissolved	ug/L	10000	9880	99	85-115	
Potassium, Dissolved	ug/L	10000	10300	103	85-115	
Sodium, Dissolved	ug/L	10000	10400	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2985245 2985246

Parameter	Units	40305141001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Calcium, Dissolved	ug/L	51400	10000	10000	59700	61500	83	101	70-130	3	20	
Magnesium, Dissolved	ug/L	22300	10000	10000	31200	32000	89	97	70-130	3	20	
Potassium, Dissolved	ug/L	3590	10000	10000	13600	13700	100	102	70-130	1	20	
Sodium, Dissolved	ug/L	77500	10000	10000	84800	87100	73	96	70-130	3	20	

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QUALITY CONTROL DATA

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch: 522855
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

METHOD BLANK: 2982257 Matrix: Water

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	10.0	11/21/25 11:26	

LABORATORY CONTROL SAMPLE: 2982258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	200	213	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2982259 2982260

Parameter	Units	40305141001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	163	200	200	365	362	101	100	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch: 522189
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

METHOD BLANK: 2979130 Matrix: Water

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	11/17/25 16:24	

LABORATORY CONTROL SAMPLE: 2979131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	552	566	103	80-120	

SAMPLE DUPLICATE: 2979132

Parameter	Units	40304956001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	674	684	1	10	

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QUALITY CONTROL DATA

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch: 523953
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

METHOD BLANK: 2987720 Matrix: Water

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	12/05/25 18:36	
Sulfate	mg/L	<0.44	2.0	12/05/25 18:36	

LABORATORY CONTROL SAMPLE: 2987721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.8	109	90-110	
Sulfate	mg/L	20	21.7	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2987722 2987723

Parameter	Units	40305141001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloride	mg/L	17.1	100	100	129	129	112	112	90-110	0	15	M0
Sulfate	mg/L	192	200	200	420	401	114	104	90-110	5	15	M0

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QUALITY CONTROL DATA

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch: 523699
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

METHOD BLANK: 2986310 Matrix: Water

Associated Lab Samples: 40305141001, 40305141002, 40305141003, 40305141004, 40305141005, 40305141006, 40305141007, 40305141008, 40305141009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	12/05/25 12:34	
Fluoride	mg/L	<0.095	0.32	12/05/25 12:34	
Sulfate	mg/L	<0.44	2.0	12/05/25 12:34	

LABORATORY CONTROL SAMPLE: 2986311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.9	105	90-110	
Fluoride	mg/L	2	2.1	103	90-110	
Sulfate	mg/L	20	20.4	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2986314 2986315

Parameter	Units	40305141004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloride	mg/L	5.4	40	40	50.1	51.9	112	116	90-110	3	15	M0
Fluoride	mg/L	1.1	4	4	5.4	5.5	107	110	90-110	3	15	
Sulfate	mg/L	32.8	40	40	76.7	78.2	110	113	90-110	2	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2986316 2986317

Parameter	Units	40305141007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloride	mg/L	6.0J	100	100	119	118	113	112	90-110	1	15	M0
Fluoride	mg/L	1.2J	10	10	12.1	11.8	109	106	90-110	2	15	
Sulfate	mg/L	82.5	100	100	192	192	110	109	90-110	0	15	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82969(W49) **Lab ID: 40305141006** Collected: 11/10/25 09:21 Received: 11/15/25 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.127 ± 0.352 (0.684) C:NA T:84%**	pCi/L	12/08/25 13:03	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**0.638 ± 0.403 (0.749) C:77% T:80%**	pCi/L	12/05/25 15:19	15262-20-1	

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REPORT OF LABORATORY ANALYSIS

Date: 01/08/2026 09:33 AM

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Sample: AE82970(W50) **Lab ID: 40305141007** Collected: 11/10/25 11:35 Received: 11/15/25 08:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.000 ± 0.320 (0.718) C:NA T:85%**	pCi/L	12/08/25 13:15	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**0.551 ± 0.414 (0.806) C:75% T:81%**	pCi/L	12/05/25 15:19	15262-20-1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch	784879	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 40305141006, 40305141007

METHOD BLANK: 3829160 Matrix: Water

Associated Lab Samples: 40305141006, 40305141007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0507 ± 0.298 (0.665) C:NA T:83%	pCi/L	12/08/25 13:03	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

QC Batch	784880	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 40305141006, 40305141007

METHOD BLANK: 3829161 Matrix: Water

Associated Lab Samples: 40305141006, 40305141007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.784 ± 0.433 (0.768) C:79% T:76%	pCi/L	12/05/25 15:17	

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QUALIFIERS

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

DEFINITIONS

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D9	Dissolved result is greater than the total. Data is within laboratory control limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40305141001	**AE82964(W08D)**	EPA 200.7	523421	EPA 200.7	523488
40305141002	**AE82965(W09D)**	EPA 200.7	523421	EPA 200.7	523488
40305141003	**AE82966(W10D)**	EPA 200.7	523421	EPA 200.7	523488
40305141004	**AE82967(W46D)**	EPA 200.7	523421	EPA 200.7	523488
40305141005	**AE82968(W48)**	EPA 200.7	523421	EPA 200.7	523488
40305141006	**AE82969(W49)**	EPA 200.7	523421	EPA 200.7	523488
40305141007	**AE82970(W50)**	EPA 200.7	523421	EPA 200.7	523488
40305141008	**AE82971(QC01)**	EPA 200.7	523421	EPA 200.7	523488
40305141009	**AE82972(EB3)**	EPA 200.7	523421	EPA 200.7	523488
40305141001	**AE82964(W08D)**	EPA 200.7	523420	EPA 200.7	523493
40305141002	**AE82965(W09D)**	EPA 200.7	523420	EPA 200.7	523493
40305141003	**AE82966(W10D)**	EPA 200.7	523420	EPA 200.7	523493
40305141004	**AE82967(W46D)**	EPA 200.7	523420	EPA 200.7	523493
40305141005	**AE82968(W48)**	EPA 200.7	523420	EPA 200.7	523493
40305141006	**AE82969(W49)**	EPA 200.7	523420	EPA 200.7	523493
40305141007	**AE82970(W50)**	EPA 200.7	523420	EPA 200.7	523493
40305141008	**AE82971(QC01)**	EPA 200.7	523420	EPA 200.7	523493
40305141009	**AE82972(EB3)**	EPA 200.7	523420	EPA 200.7	523493
40305141006	**AE82969(W49)**	EPA 903.1	784879		
40305141007	**AE82970(W50)**	EPA 903.1	784879		
40305141006	**AE82969(W49)**	EPA 904.0	784880		
40305141007	**AE82970(W50)**	EPA 904.0	784880		
40305141001	**AE82964(W08D)**	SM 2320B	522855		
40305141002	**AE82965(W09D)**	SM 2320B	522855		
40305141003	**AE82966(W10D)**	SM 2320B	522855		
40305141004	**AE82967(W46D)**	SM 2320B	522855		
40305141005	**AE82968(W48)**	SM 2320B	522855		
40305141006	**AE82969(W49)**	SM 2320B	522855		
40305141007	**AE82970(W50)**	SM 2320B	522855		
40305141008	**AE82971(QC01)**	SM 2320B	522855		
40305141009	**AE82972(EB3)**	SM 2320B	522855		
40305141001	**AE82964(W08D)**	SM 2540C	522189		
40305141002	**AE82965(W09D)**	SM 2540C	522189		
40305141003	**AE82966(W10D)**	SM 2540C	522189		
40305141004	**AE82967(W46D)**	SM 2540C	522189		
40305141005	**AE82968(W48)**	SM 2540C	522189		
40305141006	**AE82969(W49)**	SM 2540C	522189		
40305141007	**AE82970(W50)**	SM 2540C	522189		
40305141008	**AE82971(QC01)**	SM 2540C	522189		
40305141009	**AE82972(EB3)**	SM 2540C	522189		
40305141001	**AE82964(W08D)**	EPA 300.0	523699		
40305141002	**AE82965(W09D)**	EPA 300.0	523699		
40305141003	**AE82966(W10D)**	EPA 300.0	523699		
40305141004	**AE82967(W46D)**	EPA 300.0	523699		
40305141005	**AE82968(W48)**	EPA 300.0	523699		
40305141006	**AE82969(W49)**	EPA 300.0	523699		
40305141007	**AE82970(W50)**	EPA 300.0	523699		

REPORT OF LABORATORY ANALYSIS

Date: 01/08/2026 09:33 AM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Q-6005-001005 CALEDONIA SEMI-A
Pace Project No.: 40305141

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40305141008	**AE82971(QC01)**	EPA 300.0	523699		
40305141009	**AE82972(EB3)**	EPA 300.0	523699		
40305141001	**AE82964(W08D)**	EPA 300.0	523953		
40305141002	**AE82965(W09D)**	EPA 300.0	523953		
40305141003	**AE82966(W10D)**	EPA 300.0	523953		
40305141004	**AE82967(W46D)**	EPA 300.0	523953		
40305141005	**AE82968(W48)**	EPA 300.0	523953		
40305141006	**AE82969(W49)**	EPA 300.0	523953		
40305141007	**AE82970(W50)**	EPA 300.0	523953		
40305141008	**AE82971(QC01)**	EPA 300.0	523953		
40305141009	**AE82972(EB3)**	EPA 300.0	523953		

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40305141

Page: 1 of 1

Section A Required Client Information:

Company:	We Energies
Address:	333 W. Everett St.
	Milwaukee, WI 53203
Email To:	mark.metcalf@wecenergygroup.com
Phone: 920-433-1833	Fax:
Requested Due Date/TAT:	STANDARD

Section B Required Project Information:

Report To:	mark.metcalf@wecenergygroup.com
Copy To:	Autumn.Farrell@wecenergygroup.com
Purchase Order No.:	4710002585
Project Name:	Caledonia Semi-annual
Project Number:	Q-6005-001005

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	We Energies
Address:	333 W. Everett St., Milwaukee, WI 532
Pace Quote Reference:	
Pace Project Manager:	Brian Basten
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WI

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: B, Ca, Hardness	Cl, F, SO4,	Alkalinity, TDS	Carbonate/bicarbonate		Dissolved Ca, Mg, Na, K	Diss. Cl, SO4	Radium 226&228					Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		N	N	N	N		Y	Y						
1	AE82964 (W08D))	GW	G			11/10/25	8:30		1			1						x	x	x	x		x	x						001
2	AE82965 (W09D)	GW	G			11/10/25	8:20		1			1						x	x	x	x		x	x						002
3	AE82966 (W10D)	GW	G			11/10/25	8:40		1			1						x	x	x	x		x	x						003
4	AE82967 (W46D)	GW	G			11/10/25	9:29		1			1						x	x	x	x		x	x						004
5	AE82968 (W48)	GW	G			11/10/25	9:37		1			1						x	x	x	x		x	x						005
6	AE82969 (W49)	GW	G			11/10/25	9:21		1			1						x	x	x	x		x	x	x					006
7	AE82970 (W50)	GW	G			11/10/25	11:35		1			1						x	x	x	x		x	x	x					007
8	AE82971 (QC01)	GW	G			11/10/25	13:39		1			1						x	x	x	x		x	x						008
9	AE82972 (EB3)	GW	G			11/10/25	13:43		1			1						x	x	x	x		x	x						009
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Metals by EPA 200.7	Sameer Answ	11/14/25	10:40							
	WEC-Energy Group									
	CS Logistics	11/15/2025	08:40	Matt Vomhof/Pace	11/15/2025	08:40	0.0	Y,Y	N,N	Y,Y

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Unavailable					
SIGNATURE of SAMPLER:	Unavailable	DATE Signed (MM/DD/YY):				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

40305141

10.1

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Client Name: We Energies

Sample Preservation Receipt Form

Project # 40305141

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A

Lab Lot# of pH paper: 10223244 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MK Date/ Time:

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001								1			2															2						X	X		2.5 / 5
002								1			2															2						X	X		2.5 / 5
003								1			2															2						X	X		2.5 / 5
004								1			2															2						X	X		2.5 / 5
005								1			2															2						X	X		2.5 / 5
006								1			2															2	2					X	X		2.5 / 5
007								1			2															2	2					X	X		2.5 / 5
008								1			2															2						X	X		2.5 / 5
009								1			2															2						X	X		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

1/15/2025 MK 8

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☑N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	500mL clear plastic unpres
						GN 2	1 liter clear plastic HNO3

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Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40305141

40305141

Client Name: We Energies

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Purple Mountain ☐ Client ☐ Pace Other:

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Thermometer Used SR - 145, 145 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5, 1.0 Corr: 0.0, 0.0

Temp Blank Present: ☐ yes ☑ no MVR 11/15/2025 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 11/15/2025 Initials: MVR
Labeled By Initials: EL

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

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